TABLE 10 (Continued)
DRAINAGE STRUCTURES

DC-2	DD-2 + DD-3	
DC-4a	DD-4a	
DC-5	DA-5, UA-5	
DC-6	DD-5	
DC-7	DD-6, DD-8	
DC-8	DA-8	
DC-8a	DD-8a	
DC-8AR	DD-8A Freeboard	To Lower Pond
DC-10	DA-10	
DC-10A	DD-10	
DC-11	DD-11	
DC-12	DD-12	To Lower Pond
DC-13	DD-11, DD-13	To Upper Pond

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TABLE 11 (Continued)
DRAINAGE STRUCTURE FLOW SUMMARY

Structure	10/6 Cfs	10/24 Cfs	25/6 Cfs	100/6 Cfs	Flows To:
DC-2	5.01	19.65	9.61	16.96	Sediment Pond
DC-4a	5.08	18.32	9.24	15.83	Sediment Pond
DC-5	0.57	1.25	0.82	1.18	Sediment Pond
DC-6	1.26	2.81	1.84	2.68	Sediment Pond
DC-7	7.88	24.55	13.32	21.75	Sediment Pond
DC-8	0.62	1.37	0.89	1.27	Sediment Pond
DC-8a	7.3	23.43	12.51	20.6	Sediment Pond
DC-8AR	1.73	1.73	1.73	1.73	To Lower Pond
DC-10	2.58	7.44	4.09	6.52	Sediment Pond
DC-11	7.58	24.05	12.92	21.18	Sediment Pond
DC-12	4.11	13.51	6.99	11.62	To Lower Pond
DC-13	7.86	24.66	13.32	21.74	To Upper Pond

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TABLE 14
DISTURBED CULVERT DATA

Culvert ID	Length	Slope %	Manning's No.
DC-2	45	2.0%	0.020
DC-4A	170	6.0%	0.020
DC-5	25	2.0%	0.020
DC-6	80	2.0%	0.020
DC-7	50	2.0%	0.020
DC-8	50	10.0%	0.020
DC-8A	150	16.0%	0.020
DC-10	85	25.0%	0.020
DC-10A	60	20.0%	0.020
DC-11	60	5.0%	0.020
DC-12	75	10.0%	0.020
DC-13	65	5.0%	0.020
*DC-8AR	3@40'	6.0%	0.020

*** Relief Culverts for DC-8A.**

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TABLE 15
DISTURBED CULVERT DESIGN SUMMARY

Culvert	10 yr - 6 hr Event 1.30"			10 yr - 24 hr Event 2.00"			As-Constructed Diameter (ft.)	Flow Capacity (cfs)	Rip-Rap Req'd Y/N	Rip-Rap D_{50}
	Peak Flow Cfs	Velocity fps	Min. Diam. Req'd ft.	Peak Flow Cfs	Velocity fps	Min. Diam. Req'd ft.				
DC-2	4.40	4.49	1.12	16.82	6.28	1.85	2.0	20.80	N	-
DC-4A*	1.20	4.90	0.56	2.07	5.61	0.69	1.5	16.72	N	-
DC-5	0.57	2.69	0.52	1.25	3.28	0.70	1.5	9.66	N	-
DC-6*	1.77	3.58	0.79	3.32	4.18	1.01	1.5	9.66	N	-
DC-7*	7.81	5.18	1.39	23.94	6.86	2.11	2.0	20.80	Y	0.50
DC-8	0.62	5.03	0.40	1.37	6.13	0.53	1.5	21.59	Y	0.50
DC-8A*	7.81	11.30	0.94	23.94	14.95	1.43	1.5	27.31	Y	1.20
DC-10	2.58	10.13	0.57	7.44	13.20	0.85	1.5	34.14	Y	1.00
DC-10A	2.58	9.32	0.59	7.44	12.14	0.88	1.5	30.53	Y	1.00
DC-11*	8.09	7.37	1.18	24.56	9.73	1.79	2.0	32.88	Y	0.50
DC-12*	4.62	8.31	0.84	14.02	10.97	1.28	1.5	21.59	Y	0.75
DC-13*	8.37	7.43	1.20	25.17	9.79	1.81	2.0	32.88	Y	0.50
**DC-8AR	1.73	5.37	0.64	1.73	5.37	0.64	3@0.64	5.19	Y	0.50

* Includes 0.51 cfs Mine Water.
** Relief Culverts for DC-8A.

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