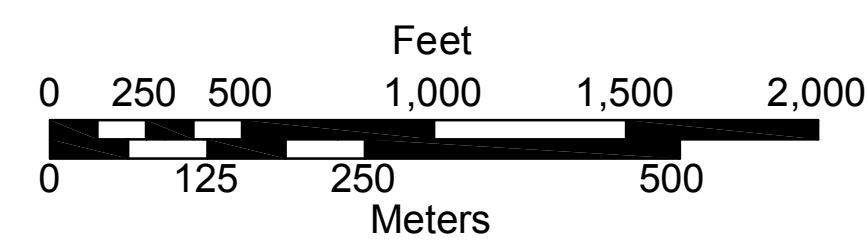
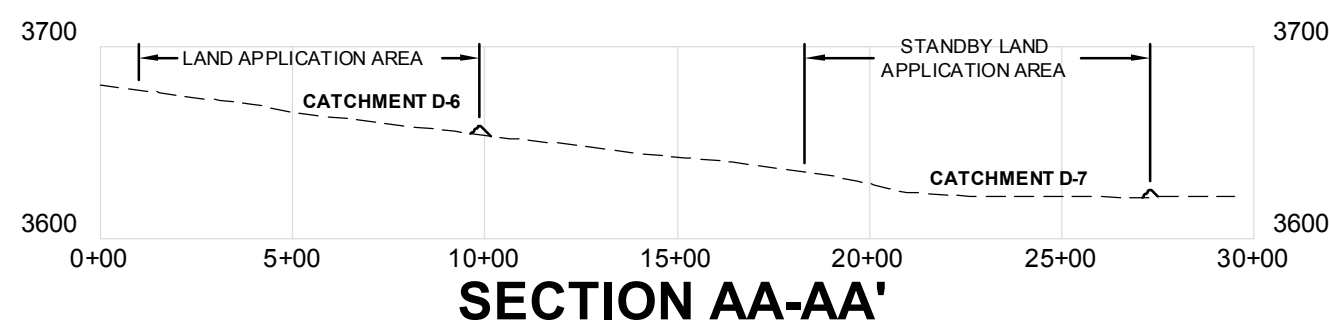


PLAN VIEW



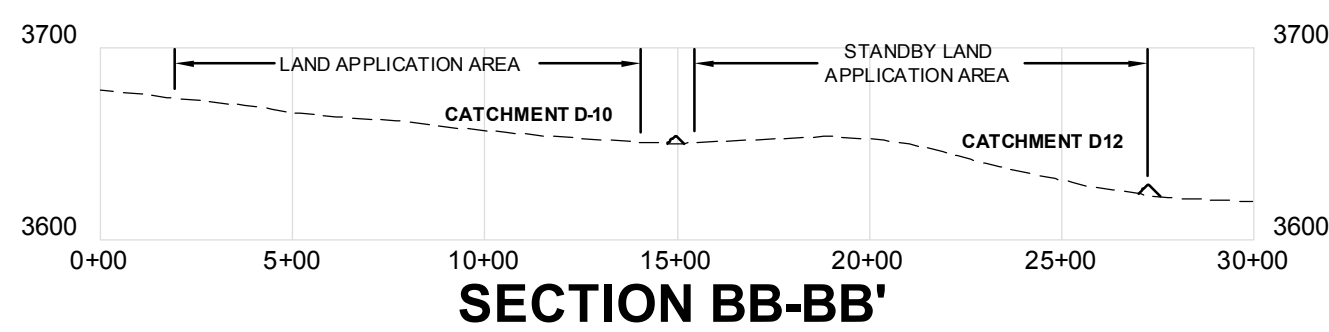
LEGEND

- PERMIT BOUNDARY
- PRIMARY LAND APPLICATION AREA
- STANDBY LAND APPLICATION AREA
- DRAINAGE BOUNDARY
- GENERAL CATCHMENT BOUNDARY
- MAXIMUM WATER LEVEL
- CATCHMENT BERM FOOTPRINT



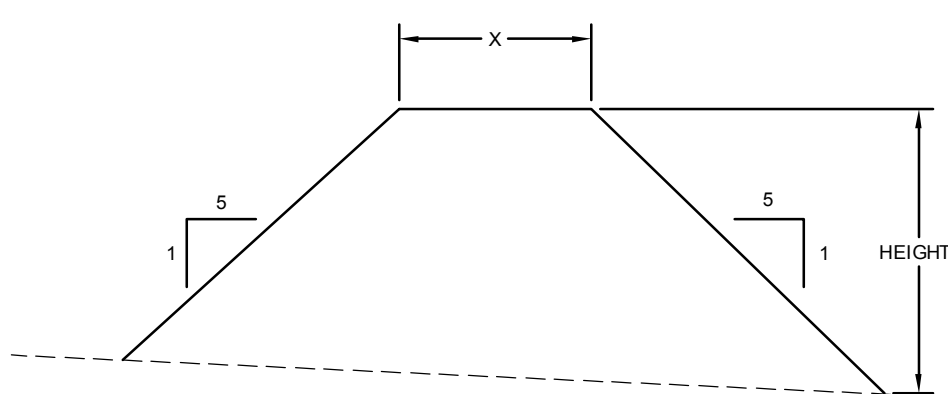
SECTION AA-AA'

SCALE: HORIZ. 1" = 500'; VERT. 1" = 100'



SECTION BB-BB'

SCALE: HORIZ. 1" = 500'; VERT. 1" = 100'



HEIGHT (FT)	X (FT)
≤6	5
6-8	8
8-10	10
>10	15

TYPICAL CATCHMENT BERM SECTION

NTS

**CATCHMENT D-1  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3639.5	0.04	0.37	0.19	0.00	100% FREEBOARD 3.93 ac-ft
3640.0	0.69	1.05	0.53	0.19	
3640.5	1.41	1.86	0.93	0.72	
3641.0	2.30	2.88	1.44	1.65	
3641.5	3.46	4.27	2.14	3.09	
3642.0	5.07	5.98	2.99	5.23	
3642.5	6.89	7.87	3.94	8.22	
3643.0	8.84	9.99	5.00	12.16	
3643.5	11.13	12.45	6.23	17.16	
3644.0	13.76			23.39	

**CATCHMENT D-2  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3679.5	0.00	0.02	0.01	0.00	100% FREEBOARD 0.99 ac-ft
3680.0	0.04	0.06	0.03	0.01	
3680.5	0.08	0.10	0.05	0.04	
3681.0	0.12	0.15	0.08	0.09	
3681.5	0.17	0.20	0.10	0.17	
3682.0	0.22	0.25	0.13	0.27	
3682.5	0.27	0.30	0.15	0.40	
3683.0	0.32	0.35	0.18	0.55	
3683.5	0.38	0.41	0.21	0.73	
3684.0	0.44			0.94	

**CATCHMENT D-3  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3703.5	0.01	0.02	0.01	0.00	100% FREEBOARD 0.93 ac-ft
3704.0	0.03	0.04	0.02	0.03	
3704.5	0.05	0.06	0.03	0.06	
3705.0	0.07	0.09	0.05	0.11	
3705.5	0.10	0.12	0.06	0.17	
3706.0	0.14	0.16	0.08	0.25	
3706.5	0.17	0.19	0.10	0.35	
3707.0	0.20	0.22	0.11	0.46	
3707.5	0.24	0.26	0.13	0.59	
3708.0	0.28				

**CATCHMENT D-4  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3659.0	0.00	0.10	0.10	0.00	100% FREEBOARD 6.84 ac-ft
3660.0	0.19	0.37	0.37	0.10	
3661.0	0.54	0.85	0.85	0.47	
3662.0	1.16	1.52	1.52	1.32	
3663.0	1.87	2.26	2.26	2.84	
3664.0	2.65	3.06	3.06	5.10	
3665.0	3.47			8.16	

**CATCHMENT D-5  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3631.0	0.00	0.02	0.01	0.00	100% FREEBOARD 2.33 ac-ft
3631.5	0.04	0.14	0.07	0.01	
3632.0	0.23	0.32	0.16	0.08	
3632.5	0.40	0.52	0.26	0.24	
3633.0	0.63	0.78	0.39	0.50	
3633.5	0.93	1.18	0.59	0.89	
3634.0	1.43	1.67	0.84	1.48	
3634.5	1.91	2.13	1.07	2.32	
3635.0	2.34	2.58	1.29	3.39	
3635.5	2.82	3.11	1.56	4.68	
3636.0	3.39	3.74	1.87	6.24	
3636.5	4.09	4.47	2.24	8.11	
3637.0	4.84	5.24	2.62	10.35	
3637.5	5.64			12.97	

**CATCHMENT D-6  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3654.0	0.02	0.06	0.03	0.00	100% FREEBOARD 4.92 ac-ft
3654.5	0.09	0.17	0.09	0.03	
3655.0	0.25	0.37	0.19	0.12	
3655.5	0.48	0.64	0.32	0.31	
3656.0	0.79	0.98	0.49	0.53	
3656.5	1.17	1.34	0.67	1.12	
3657.0	1.51	1.69	0.85	1.79	
3657.5	1.87	2.07	1.04	2.64	
3658.0	2.27	2.49	1.25	3.68	
3658.5	2.71			4.93	

**CATCHMENT D-7  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3619.5	0.46	2.17	1.09	0.00	100% FREEBOARD 59.39 ac-ft
3620.0	3.88	4.69	2.35	1.09	
3620.5	5.49	6.31	3.16	3.44	
3621.0	7.12	8.34	4.17	6.60	
3621.5	9.55	11.56	5.78	10.77	
3622.0	13.56	14.46	7.23	16.55	
3622.5	15.35	16.14	8.07	23.78	
3623.0	16.92	17.67	8.64	31.85	
3623.5	18.41	19.22	9.61	40.69	
3624.0	20.02	20.57	10.29	60.59	
3624.5	21.12	21.59	10.80	71.39	
3625.0	22.06				

**CATCHMENT D-8  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3702.0	0.00	0.04	0.02	0.00	100% FREEBOARD 9.76 ac-ft
3702.5	0.08	0.14	0.07	0.02	
3703.0	0.19	0.27	0.14	0.09	
3703.5	0.34	0.43	0.22	0.23	
3704.0	0.51	0.60	0.22	0.45	
3704.5	0.67	0.75	0.30	0.75	
3705.0	0.83	0.93	0.47	1.13	
3705.5	1.02	1.14	0.57	1.60	
3706.0	1.26			2.17	

**CATCHMENT D-9  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3691.5	0.01	0.03	0.02	0.00	100% FREEBOARD 9.45 ac-ft
3692.0	0.05	0.08	0.04	0.02	
3692.5	0.11	0.15	0.08	0.14	
3693.0	0.19	0.24	0.12	0.26	
3693.5	0.28	0.35	0.18	0.44	
3694.0	0.42	0.47	0.24	0.68	
3694.5	0.52	0.58	0.29	0.97	
3695.0	0.64	0.71	0.36	1.33	
3695.5	0.77	0.86	0.43	1.76	

**CATCHMENT D-10  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3649.5	0.01	0.20	0.10	0.00	100% FREEBOARD 16.39 ac-ft
3650.0	0.39	0.71	0.36	0.46	
3650.5	1.03	1.40	0.70	1.16	
3651.0	1.77	2.22	1.11	2.27	
3651.5	2.66	3.25	1.63	3.90	
3652.0	3.83	4.42	2.21	6.11	
3652.5	5.01	5.59	2.80	8.91	
3653.0	6.16	6.80	3.40	12.31	
3653.5	7.43	8.15	4.08	16.39	

**CATCHMENT D-11  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3638.5	0.02	0.09	0.05	0.00	100% FREEBOARD 2.44 ac-ft
3639.0	0.15	0.23	0.12	0.17	
3639.5	0.31	0.43	0.22	0.39	
3640.0	0.54	0.66	0.33	0.72	
3640.5	0.78	0.90	0.45	1.17	
3641.0	1.02	1.15	0.58	1.75	
3641.5	1.28	1.47	0.74	2.49	

**CATCHMENT D-12  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3624.5	0.02	0.06	0.03	0.00	100% FREEBOARD 2.63 ac-ft
3625.0	0.09	0.14	0.07	0.03	
3625.5	0.19	0.30	0.15	0.25	
3626.0	0.40	0.54	0.27	0.52	
3626.5	0.68	0.81	0.41	0.93	
3627.0	0.95	1.11	0.56	1.49	
3627.5	1.26	1.44	0.72	2.21	
3628.0	1.61	1.81	0.91	3.12	

**CATCHMENT D-13  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3681.5	0.03	0.13	0.07	0.00	100% FREEBOARD 10.61 ac-ft
3682.0	0.23	0.33	0.17	0.07	
3682.5	0.43	0.53	0.27	0.24	
3683.0	0.63	0.75	0.38	0.51	
3683.5	0.86	0.99	0.50	0.89	
3684.0	1.12	1.31	0.66	1.39	
3684.5	1.49	1.68	0.84	2.05	
3685.0	1.87	2.09	1.05	2.89	
3685.5	2.31	2.56	1.28	3.94	
3686.0	2.80	3.07	1.54	5.22	
3686.5	3.33	3.58	1.79	6.76	
3687.0	3.83	4.11	2.06	8.55	
3687.5	4.38			10.61	

**CATCHMENT D-14  
AREA CAPACITY TABLE**

ELEVATION (ft)	AREA (ac)	AVG. AREA (ac)	CAPACITY (bc-ft)		INACTIVE CAPACITY (bc-ft)
			INCR.	ACCUM.	
3666.0	0.21	0.30	0.15	0.00	100% FREEBOARD 6.80 ac-ft
3666.5	0.39	0.49	0.25	0.40	
3667.0	0.58	0.69	0.35	0.75	
3667.5	0.79	0.97	0.49	1.24	
3668.0	1.14	1.29	0.65	1.89	
3668.5	1.43	1.58	0.79	2.68	
3669.0	1.72	1.88	0.94	3.62	
3669.5	2.03	2.22	1.11	4.73	
3670.0	2.40	2.62	1.33	6.06	
3670.5	2.91	3.15	1.58	7.64	

Dewey Land Application Catchment Summary

Catchment Designation	Drainage Area (acres)	Drainage Area (mi <sup>2</sup> )	2-Year Runoff Volume (acre-ft)	100-Year Runoff Volume (acre-ft)	Catchment Area (acres)	Catchment Capacity (acre-ft)	Catchment Height (ft)	2-Year Depth (ft)
D-1	99.41	0.16	3.04	19.53	13.76	23.39	5.0	2.0
D-2	2.05	0.00	0.33	0.82	0.44	0.94	7.3	3.0
D-3	1.38	0.00	0.22	0.55	0.28	0.59	9.5	3.0
D-4	30.36	0.05	0.95	6.10	3.47	8.16	9.0	3.0
D-5	50.18	0.08	1.52	9.76	5.64	12.97	7.5	3.5
D-6	29.01	0.05	0.95	6.10	2.71	4.93	5.6	2.5
D-7	103.98	0.16	3.04	19.53	22.06	71.39	5.8	1.0
D-8	8.17	0.01	0.19	1.22	1.26	2.17	5.4	1.5
D-9	9.28	0.01	0.19	1.22	0.94	1.76	8.0	2.0
D-10	135.41	0.21	4.00	25.63	8.87	16.39	5.7	3.0
D-11	9.91	0.02	0.38	2.44	1.65	2.49	4.8	1.5
D-12	13.84	0.02	0.38	2.4				