

Drainage Area #1 ESD Structure Design Chart

Facility #	Filter Area (SF)	Ponding Depth (Ft)	Planting Media (Ft)	Media Elevation	Facility Length (Ft)	Facility Width (Ft)	Drainage Area (SF)	PE Provided (in.)
1-1	400	0.50	2.00	331.00	50	8	11,689	2.01
1-2	400	0.50	2.00	327.40	50	8	15,763	1.91
1-3	400	0.50	2.00	325.20	50	8	19,631	1.82
1-4	400	0.50	2.00	325.00	50	8	15,735	1.91
1-5	400	0.50	2.00	324.00	50	8	15,292	1.92
1-6	400	0.50	2.00	318.90	50	8	12,587	1.99
1-7	400	0.50	2.00	316.80	50	8	10,136	2.05
1-8	400	0.50	2.00	314.70	50	8	9,180	2.08
1-9	400	0.50	2.00	309.00	50	8	8,969	2.08
1-10	400	0.50	2.00	303.00	50	8	7,288	2.13
1-11	450	0.75	4.00	324.50	45	12	19,809	1.51
1-12	825	0.75	3.00	322.00	33	31	19,167	2.10
1-13	1195	0.75	2.50	320.00	52	24	18,464	2.60
1-14	975	0.75	2.75	318.50	50	23	17,551	2.42
1-15	365	0.75	4.00	314.50	33	14	15,888	1.14
1-16	450	0.75	2.50	314.00	42	12	16,955	1.32
1-17	825	0.75	2.00	313.00	38	26	14,254	2.05
1-18	315	0.75	4.00	313.00	41	8	13,955	1.33
1-21	680	0.75	2.00	308.50	34	21	19,999	1.22
1-22	590	0.75	2.00	308.50	30	21	15,616	1.53
1-23	240	0.50	2.00	329.70	40	6	5,631	1.48
1-24	240	0.50	2.00	329.70	40	6	4,477	1.51
1-25	240	0.50	2.00	328.60	40	6	5,126	1.49
1-26	240	0.50	2.00	328.60	40	6	5,578	1.48
1-27	240	0.50	2.00	326.50	40	6	5,463	1.48
1-28	240	0.50	2.00	327.00	40	6	4,640	1.50
1-29	240	0.50	2.00	318.45	40	6	5,018	1.49
1-30	240	0.50	2.00	318.45	40	6	4,434	1.51
1-31	240	0.50	2.00	317.35	40	6	5,677	1.48
1-32	240	0.50	2.00	317.35	40	6	4,658	1.50
1-33	240	0.50	2.00	322.00	40	6	4,350	1.51
1-34	240	0.50	2.00	317.00	40	6	4,533	1.51
1-35	240	0.50	2.00	316.00	40	6	7,043	1.45
1-36	240	0.50	2.00	311.80	40	6	4,890	1.50
1-37	240	0.50	2.00	311.80	40	6	4,365	1.51
1-38	240	0.50	2.00	311.00	40	6	3,710	1.53
1-39	240	0.50	2.00	311.00	40	6	4,555	1.51
1-40	240	0.50	2.00	313.40	40	6	4,611	1.50
1-41	240	0.50	2.00	310.00	40	6	4,425	1.51
1-42	240	0.50	2.00	310.25	40	6	5,180	1.60
1-43	240	0.50	2.00	310.25	40	6	5,496	1.59
1-44	240	0.50	2.00	310.30	40	6	5,476	1.59
1-45	240	0.50	2.00	309.00	40	6	4,475	1.62
1-46	750	0.75	2.00	310.75	68	12	19,778	1.90
1-47	240	0.50	2.00	312.90	40	6	4,714	1.50
1-48	240	0.50	2.00	312.90	40	6	4,945	1.50
1-49	240	0.50	2.00	314.00	40	6	4,962	1.50
1-50	240	0.50	2.00	314.00	40	6	4,954	1.50
1-51	160	0.50	2.00	316.50	40	4	4,003	1.15
1-52	116	0.50	2.00	315.90	29	4	4,816	0.83
1-53	240	0.50	2.00	315.20	40	6	4,823	1.63
1-54	240	0.50	2.00	319.30	40	6	5,094	1.49
1-55	240	0.50	2.00	319.30	40	6	4,727	1.50
1-56	240	0.50	2.00	320.30	40	6	5,006	1.49
1-57	240	0.50	2.00	320.50	40	6	4,397	1.51
1-58	240	0.50	2.00	321.40	40	6	4,967	1.50
1-59	240	0.50	2.00	321.55	40	6	4,398	1.51
1-60	240	0.50	2.00	319.55	40	6	4,993	1.49
1-61	240	0.50	2.00	319.55	40	6	4,431	1.51
1-62	240	0.50	2.00	321.40	40	6	4,191	1.51
1-63	240	0.50	2.00	318.80	40	6	4,202	1.51
1-64	240	0.50	2.00	318.60	40	6	3,926	1.50
1-65	240	0.50	2.00	325.00	40	6	5,311	1.49
1-66	240	0.50	2.00	325.00	40	6	5,489	1.48
1-67	240	0.50	2.00	326.10	40	6	5,262	1.49
1-68	240	0.50	2.00	326.20	40	6	4,888	1.50
1-69	240	0.50	2.00	327.30	40	6	5,250	1.49
1-70	240	0.50	2.00	327.40	40	6	4,416	1.51
1-71	240	0.50	2.00	328.40	40	6	5,275	1.49
1-72	240	0.50	2.00	328.60	40	6	4,330	1.51
1-73	240	0.50	2.00	329.60	40	6	5,429	1.48
1-74	240	0.50	2.00	329.70	40	6	4,377	1.51
1-75	240	0.50	2.00	327.80	40	6	4,343	1.51
1-76	240	0.50	2.00	324.80	40	6	4,396	1.51
1-77	240	0.50	2.00	324.80	40	6	4,369	1.51
1-78	240	0.50	2.00	324.80	40	6	3,844	1.52

Drainage Area #2 ESD Structure Design Chart

Facility #	Filter Area (SF)	Ponding Depth (Ft)	Planting Media (Ft)	Media Elevation	Facility Length (Ft)	Facility Width (Ft)	Drainage Area (SF)	PE Provided (in.)
2-1	810	0.75	3.00	310.50	42	21	14,553	2.60
2-2	950	0.75	2.00	310.50	32	30	11,292	2.60
2-3	995	0.75	4.00	306.50	35	33	19,987	2.58
2-4	630	0.75	4.00	302.50	40	26	17,992	1.81
2-5	810	0.75	4.00	302.50	41	21	19,301	1.89
2-6	970	0.75	4.00	303.40	46	30	17,740	2.48
2-7	920	0.75	4.00	303.40	38	18	19,420	2.23
2-8A	630	0.75	4.00	301.90	44	20	18,711	1.51
2-8B	615	0.75	4.00	301.80	25	20	19,991	1.90
2-9	690	0.75	4.00	300.20	42	20	19,913	1.82
2-10	610	0.75	4.00	296.50	42	25	19,604	1.77
2-11	550	0.75	4.00	296.50	33	18	12,840	2.25
2-12	1075	0.75	4.00	296.50	33	29	19,597	2.22
2-13	730	0.75	4.00	296.50	33	29	19,944	1.55
2-14A	550	0.75	4.00	296.00	28	25	19,824	1.35
2-14B	680	0.75	4.00	296.00	26	25	14,283	2.59
2-15	775	0.75	4.00	298.50	34	29	18,601	2.60
2-16	925	0.75	4.00	298.50	33	29	19,156	2.60
2-17	775	0.75	4.00	298.50	33	29	17,871	2.19
2-18	500	0.50	4.00	303.80	33	27	9,811	2.25
2-19	1275	0.50	3.50	301.20	35	23	17,650	2.59
2-21	990	0.50	4.00	298.25	57	19	16,735	2.29
2-22	1075	0.75	3.50	306.50	79	18	18,079	2.60
2-23	590	0.75	4.00	302.00	87	7	18,811	1.52
2-24	970	0.75	3.50	300.00	94	13	18,124	2.60
2-25	397	0.75	4.00	303.75	54	8	18,941	1.08
2-26	580	0.75	2.00	324.55	78	7	9,227	2.58
2-27A	925	0.75	2.00	322.00	45	21	11,282	2.60
2-27B	750	0.75	2.00	322.00	36	21	9,662	2.60
2-28	850	0.75	4.00	319.50	47	18	18,696	2.50
2-29	600	0.50	2.00	317.00	32	21	7,851	2.60
2-30	1175	0.75	2.00	317.00	35	33	16,377	2.60
2-31	650	0.75	2.00	317.00	33	19	8,755	2.60
2-32	525	0.75	4.00	316.00	37	23	13,944	2.54
2-33	650	0.75	4.00	314.00	48	13	13,876	2.45
2-34	300	0.75	4.00	314.00	37	16	6,255	2.09
2-36	1350	0.75	2.75	314.00	102	13	18,239	2.60
2-39	317	0.75	4.00	308.80	32	10	15,440	1.04
2-40	462	0.75	4.00	306.25	46	10	7,968	2.51
2-41	447	0.75	4.00	306.00	45	10	13,025	1.38
2-42	447	0.75	4.00	304.80	45	10	14,562	1.25
2-43	447	0.75	4.00	303.70	45	10	16,615	1.21
2-44	467	0.75	4.00	302.60	47	10	15,611	1.26
2-46	750	0.75	4.00	311.50	52	20	16,430	2.03
2-47	1100	0.50	2.50	306.50	60	21	15,285	2.60
2-48	450	0.75	4.00	308.50	22	18	19,982	1.88
2-49	147	0.50	4.00	305.50	12	7	2,673	1.51
2-50	147	0.50	4.00	303.90	12	7	2,673	1.51
2-51	147	0.50	4.00	303.20	12	7	2,673	1.51
2-52	147	0.50	4.00	302.50	18	7	2,673	1.51
2-53	112	0.50	4.00	301.40	16	7	2,692	1.44
2-54	147	0.50	4.00	301.50	16	7	2,673	1.51
2-55	214	0.50	4.00	300.90	20	7	2,892	2.00
2-56	112	0.50	4.00	300.60	16	7	2,692	1.16
2-57	112	0.50	4.00	300.80	16	7	2,692	1.16
2-58	112	0.50	4.00	301.60	16	7	2,692	1.16
2-59	112	0.50	4.00	302.50	16	7	2,692	1.16
2-60	112	0.50	4.00	303.20	16	7	2,692	1.16
2-61A	620	0.50	4.00	301.75	50	13	12,884	2.60
2-61B	455	0.50	3.50	301.75	50	9	7,720	2.60
2-68	240	0.50	3.00	299.30	40	6	4,883	1.83
2-69	240	0.50	3.00	299.30	40	6	4,816	1.83
2-70	240	0.50	3.00	297.60	40	6	4,827	1.83
2-71	240	0.50	3.00	295.60	40	6	4,845	1.83
2-72	240	0.50	3.00	291.30	40	6	4,517	1.84
2-73	240							