



October 7, 2026

Glenn Reese, P.E.
El Paso County Department of Public Works
2880 International Circle
Colorado Springs, CO 80910

**RE: Rocky Top Resources – Tract 7 Valley Garden Subdivision
Permanent Control Measure (PCM) Final Letter
Kiowa Project Number 17066**

Dear Glenn:

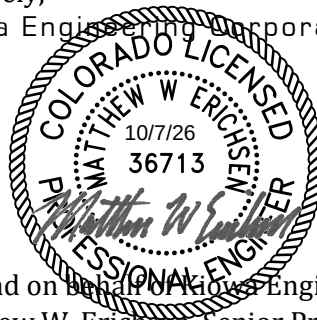
On behalf of Owner of the Rocky Top Resources development, Kiowa Engineering hereby requests the Permanent Control Measures (PCM), constructed as a part of the Rocky Top Resources development, be accepted by the County for final approval.

The Permanent Control Measures (PCM) for Rocky Top Resources consist of a Full Spectrum Detention basin to provide stormwater quality treatment and detention of stormwater runoff from the site. The PCM is located at the south edge of the property. Kiowa Engineering Corp has reviewed the as-built survey completed by Polaris Surveying, Inc (dated February 12, 2024) and completed a site visit to review the improvements constructed. The PCM provides the required storage volume and meets the required release rates, as documented by the attached as-built MHFD -Detention design form.

Based upon this information, Kiowa Engineering Corporation is of the opinion the improvements associated with the Permanent Control Measures have been constructed in substantial conformance with the approved construction plans as filed with the County titled "Rocky Top Resources Extended Detention Basin and Grading & Erosion Control Plan" prepared by Kiowa Engineering Corp, dated February 2020, revised September 2022. The site and adjacent properties (as affected by work performed under the County permit) are stable with respect to settlement and subsidence, sloughing of cut and fill slopes, revegetation or other ground cover and the proposed improvements are in substantial conformance with the design requirements. These statements are based on a final site investigation and a review of the field survey data.

Please feel free to contact me if there are any questions or if I may be of further assistance.

Sincerely,
Kiowa Engineering Corporation



For and on behalf of Kiowa Engineering Corporation
Matthew W. Erichsen, Senior Project Manager

Attachment: As-built MHFD-Detention spreadsheet

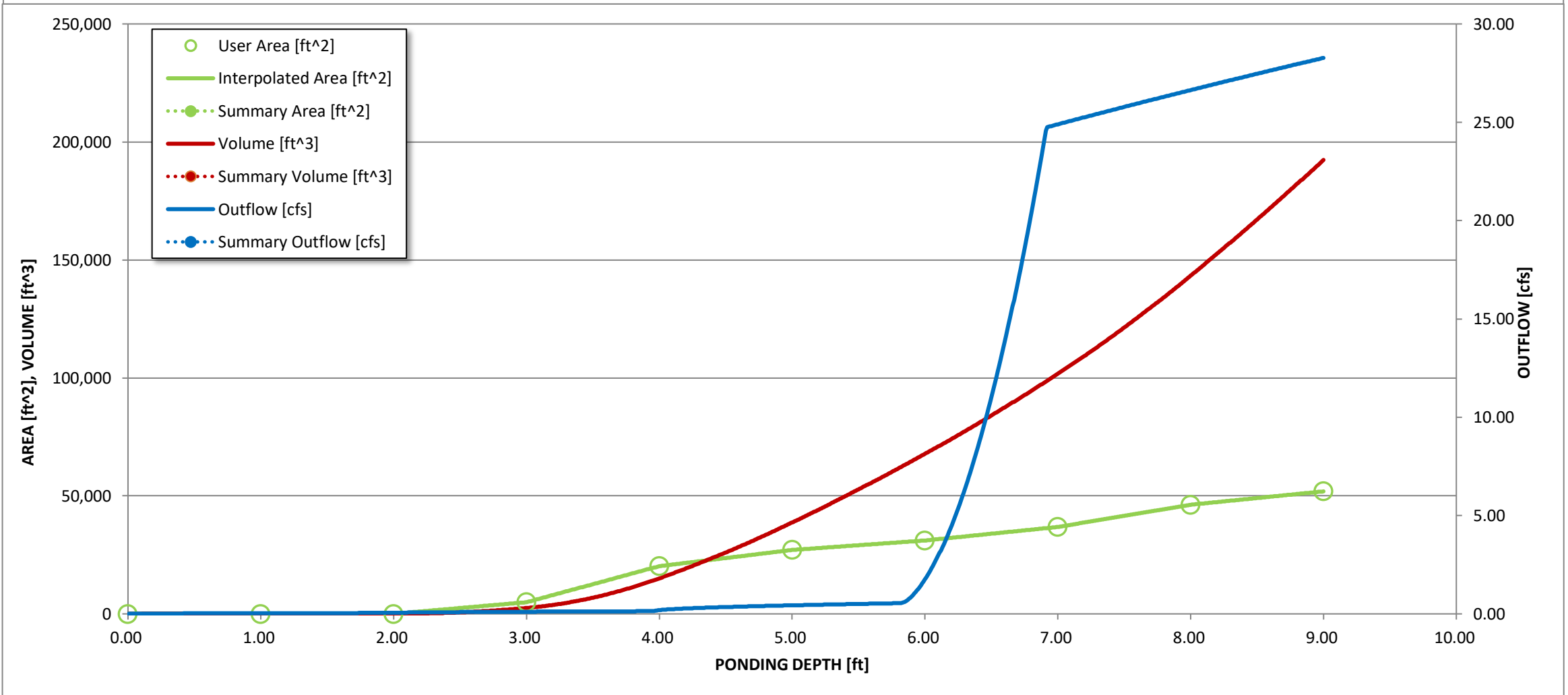
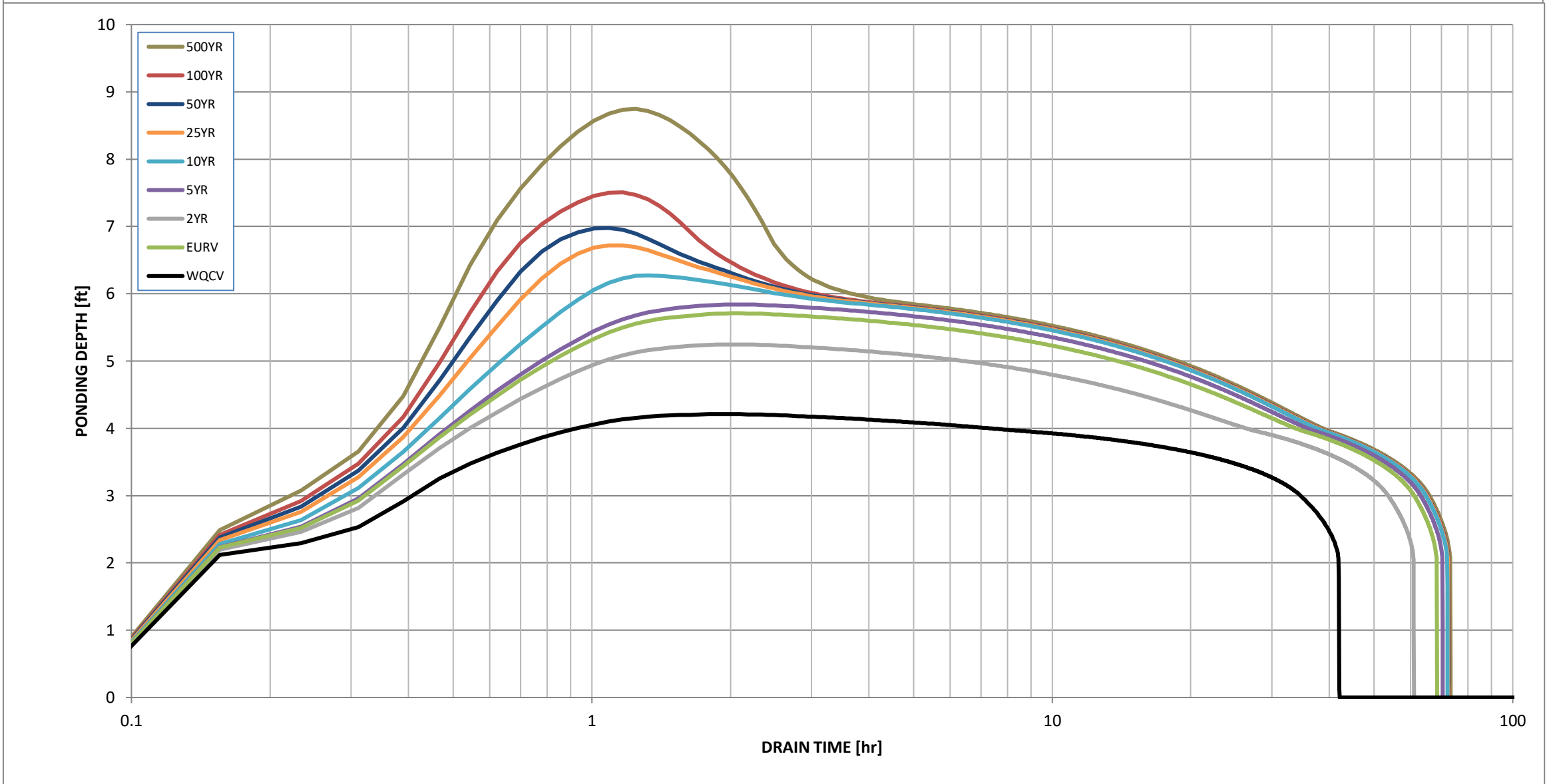
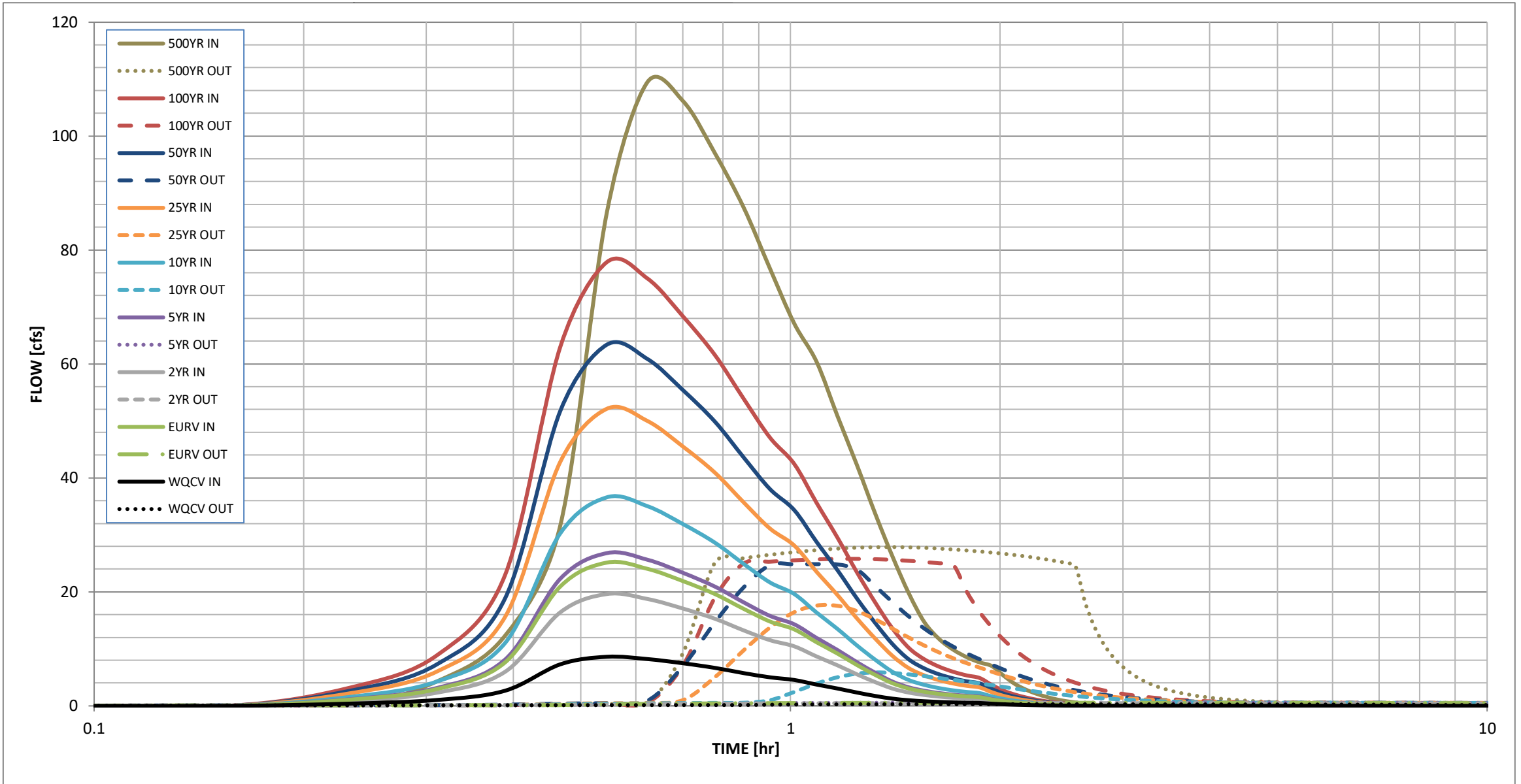
UD-Detention, Version 3.07 (February 2017)

Basin ID: FSD Design Drainage area 30.45

Example Zone Configuration (Retention Pond)

Detention Basin Outlet Structure Design

UD-Detention, Version 3.07 (February 2017)



S-A-V-D Chart Axis Override	X-axis	Left Y-Axis	Right Y-Axis
minimum bound			
maximum bound			

Detention Basin Outlet Structure Design

Outflow Hydrograph Workbook Filename: _____

Storm Inflow Hydrographs

UD-Detention, Version 3.07 (February 2017)

The user can override the calculated inflow hydrographs from this workbook with inflow hydrographs developed in a separate program.

	SOURCE	WORKBOOK	WORKBOOK	WORKBOOK	WORKBOOK	WORKBOOK	WORKBOOK	WORKBOOK	WORKBOOK	WORKBOOK
Time Interval	TIME	WQCV [cfs]	EURV [cfs]	2 Year [cfs]	5 Year [cfs]	10 Year [cfs]	25 Year [cfs]	50 Year [cfs]	100 Year [cfs]	500 Year [cfs]
4.67 min	0:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydrograph Constant	0:09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:14:01	0.38	1.09	0.86	1.16	1.57	2.21	2.66	3.21	4.33
1.070	0:18:41	1.03	2.97	2.32	3.16	4.29	6.08	7.35	8.95	12.31
	0:23:21	2.65	7.62	5.97	8.12	11.03	15.60	18.86	22.97	31.62
	0:28:01	7.27	20.93	16.40	22.29	30.26	42.81	51.74	62.98	86.59
	0:32:41	8.60	25.13	19.61	26.80	36.59	52.13	63.38	77.87	109.42
	0:37:22	8.20	24.04	18.75	25.64	35.04	50.00	60.89	75.02	106.16
	0:42:02	7.47	21.89	17.07	23.34	31.90	45.50	55.41	68.37	97.03
	0:46:42	6.66	19.62	15.29	20.93	28.64	40.94	49.90	61.60	87.48
	0:51:22	5.74	17.02	13.24	18.17	24.91	35.72	43.61	53.91	76.77
	0:56:02	5.00	14.80	11.52	15.79	21.66	31.12	38.05	47.09	67.14
	1:00:43	4.53	13.42	10.44	14.32	19.63	28.15	34.38	42.48	60.40
	1:05:23	3.73	11.16	8.66	11.91	16.37	23.53	28.78	35.63	50.89
	1:10:03	3.04	9.18	7.11	9.80	13.51	19.46	23.83	29.54	42.26
	1:14:43	2.33	7.16	5.52	7.65	10.60	15.35	18.84	23.43	33.71
	1:19:23	1.73	5.42	4.16	5.80	8.08	11.79	14.52	18.12	26.19
	1:24:04	1.25	3.95	3.02	4.24	5.95	8.75	10.82	13.55	19.71
	1:28:44	0.97	3.02	2.32	3.24	4.51	6.59	8.13	10.15	14.67
	1:33:24	0.80	2.47	1.90	2.64	3.67	5.33	6.55	8.15	11.72
	1:38:04	0.68	2.09	1.61	2.23	3.10	4.49	5.52	6.86	9.84
	1:42:44	0.60	1.83	1.41	1.95	2.71	3.92	4.81	5.97	8.54
	1:47:25	0.54	1.64	1.27	1.75	2.43	3.51	4.30	5.33	7.62
	1:52:05	0.50	1.51	1.17	1.61	2.23	3.22	3.94	4.88	6.97
	1:56:45	0.37	1.11	0.86	1.19	1.64	2.38	2.93	3.65	5.26
	2:01:25	0.27	0.81	0.63	0.87	1.20	1.73	2.12	2.64	3.80
	2:06:05	0.20	0.60	0.46	0.64	0.88	1.28	1.57	1.95	2.81
	2:10:46	0.14	0.44	0.34	0.47	0.65	0.95	1.17	1.45	2.09
	2:15:26	0.10	0.32	0.25	0.34	0.47	0.69	0.85	1.06	1.54
	2:20:06	0.07	0.23	0.17	0.24	0.34	0.50	0.61	0.76	1.11
	2:24:46	0.05	0.16	0.12	0.18	0.25	0.36	0.44	0.55	0.80
	2:29:26	0.03	0.11	0.08	0.12	0.17	0.25	0.31	0.39	0.57
	2:34:07	0.02	0.07	0.05	0.07	0.11	0.16	0.20	0.25	0.37
	2:38:47	0.01	0.04	0.03	0.04	0.06	0.09	0.11	0.14	0.22
	2:43:27	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.07	0.10
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	2:52:47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2:57:28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:02:08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:06:48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:11:28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:16:08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:20:49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:25:29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:30:09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:34:49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:39:29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:44:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:48:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:53:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	4:07:31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:12:11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:16:51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:21:31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:26:11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:30:52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:35:32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:40:12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	4:49:32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	5:03:33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:08:13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:12:53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	5:22:14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:26:54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:31:34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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