Basin 11

Project Summary	
Title	Basin 11
Engineer	PDC
Company	PDC
Date	9/30/2019

Notes

Basin 11

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)
CM-1	EX10	0	2.855	250.000	39.60

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)
O-1	EX10	0	2.855	361.000	1.90

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (min)	Peak Flow (ft^3/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
1 (IN)	EX10	0	2.855	250.000	39.60	(N/A)	(N/A)
1 (OUT)	EX10	0	2.855	361.000	1.90	648.03	2.438

Basin 11

Subsection: Read Hydrograph
Label: CM-1

Return Event: 100 years
Storm Event:

Peak Discharge	39.60 ft³/s
Time to Peak	250.000 min
Hydrograph Volume	2.855 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 10.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	2.10	2.10	2.20	2.20
50.000	2.30	2.40	2.50	2.60	2.70
100.000	2.80	2.90	3.00	3.30	3.40
150.000	3.70	3.90	4.30	4.50	5.20
200.000	5.60	6.90	7.80	11.50	34.70
250.000	39.60	9.20	6.20	4.80	4.00
300.000	3.50	3.10	2.90	2.60	2.40
350.000	2.30	2.10	0.00	(N/A)	(N/A)

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	0.000	0.000	0.000	0.001	0.001
5.000	0.001	0.001	0.002	0.004	0.006
10.000	0.008	0.011	0.013	0.016	0.018
15.000	0.021	0.023	0.026	0.028	0.030
20.000	0.033	0.035	0.038	0.040	0.042
25.000	0.045	0.047	0.049	0.052	0.054
30.000	0.057	0.059	0.062	0.064	0.066
35.000	0.069	0.071	0.074	0.076	0.079
40.000	0.081	0.083	0.086	0.088	0.091
45.000	0.093	0.096	0.098	0.101	0.103
50.000	0.106	0.109	0.111	0.114	0.116
55.000	0.119	0.122	0.124	0.127	0.130
60.000	0.132	0.135	0.138	0.140	0.143
65.000	0.146	0.149	0.152	0.154	0.157
70.000	0.160	0.163	0.166	0.169	0.171
75.000	0.174	0.177	0.180	0.183	0.186
80.000	0.189	0.192	0.195	0.198	0.201
85.000	0.204	0.207	0.210	0.213	0.216
90.000	0.219	0.222	0.225	0.228	0.231
95.000	0.234	0.238	0.241	0.244	0.247
100.000	0.250	0.253	0.257	0.260	0.263
105.000	0.266	0.270	0.273	0.276	0.279
110.000	0.283	0.286	0.289	0.293	0.296
115.000	0.299	0.303	0.306	0.310	0.313
120.000	0.316	0.320	0.323	0.327	0.330
125.000	0.334	0.338	0.341	0.345	0.349
130.000	0.353	0.357	0.360	0.364	0.368
135.000	0.372	0.376	0.380	0.384	0.388
140.000	0.392	0.396	0.400	0.404	0.408
145.000	0.412	0.416	0.420	0.425	0.429
150.000	0.433	0.437	0.442	0.446	0.451
155.000	0.455	0.460	0.464	0.469	0.473
160.000	0.478	0.483	0.487	0.492	0.497
165.000	0.502	0.507	0.512	0.517	0.522
170.000	0.527	0.532	0.537	0.542	0.547
175.000	0.553	0.558	0.563	0.569	0.574
180.000	0.579	0.585	0.590	0.596	0.602
185.000	0.608	0.614	0.620	0.626	0.632
190.000	0.638	0.645	0.651	0.658	0.664
195.000	0.671	0.677	0.684	0.691	0.698
200.000	0.704	0.711	0.719	0.726	0.733

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
205.000	0.741	0.749	0.757	0.765	0.774
210.000	0.782	0.791	0.800	0.809	0.818
215.000	0.827	0.836	0.846	0.855	0.865
220.000	0.875	0.885	0.895	0.907	0.918
225.000	0.930	0.943	0.956	0.970	0.984
230.000	0.999	1.015	1.035	1.058	1.084
235.000	1.113	1.146	1.181	1.220	1.262
240.000	1.307	1.354	1.402	1.450	1.499
245.000	1.548	1.598	1.649	1.701	1.753
250.000	1.805	1.856	1.903	1.946	1.984
255.000	2.018	2.048	2.074	2.095	2.112
260.000	2.125	2.136	2.146	2.156	2.166
265.000	2.175	2.183	2.191	2.199	2.206
270.000	2.213	2.220	2.226	2.232	2.238
275.000	2.244	2.250	2.255	2.260	2.265
280.000	2.270	2.275	2.279	2.284	2.288
285.000	2.292	2.296	2.300	2.304	2.308
290.000	2.312	2.315	2.319	2.322	2.325
295.000	2.328	2.332	2.335	2.338	2.341
300.000	2.344	2.346	2.349	2.352	2.355
305.000	2.357	2.360	2.362	2.365	2.367
310.000	2.369	2.372	2.374	2.376	2.378
315.000	2.380	2.382	2.385	2.387	2.389
320.000	2.391	2.393	2.395	2.396	2.398
325.000	2.400	2.402	2.404	2.405	2.407
330.000	2.408	2.410	2.412	2.413	2.414
335.000	2.416	2.417	2.419	2.420	2.421
340.000	2.423	2.424	2.425	2.426	2.428
345.000	2.429	2.430	2.431	2.431	2.432
350.000	2.433	2.434	2.435	2.435	2.436
355.000	2.436	2.437	2.437	2.438	2.438
360.000	2.438	2.438	2.438	2.438	2.437
365.000	2.436	2.435	2.434	2.432	2.430
370.000	2.428	2.426	2.424	2.422	2.420
375.000	2.418	2.416	2.414	2.412	2.410
380.000	2.408	2.406	2.404	2.402	2.400
385.000	2.398	2.396	2.394	2.392	2.390
390.000	2.388	2.386	2.384	2.382	2.380
395.000	2.378	2.376	2.374	2.372	2.370
400.000	2.368	2.366	2.364	2.362	2.360
405.000	2.358	2.356	2.354	2.352	2.350

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
410.000	2.348	2.346	2.344	2.342	2.340
415.000	2.338	2.336	2.334	2.332	2.330
420.000	2.328	2.326	2.324	2.322	2.320
425.000	2.318	2.317	2.315	2.313	2.311
430.000	2.309	2.307	2.305	2.303	2.301
435.000	2.299	2.297	2.295	2.293	2.291
440.000	2.289	2.288	2.286	2.284	2.282
445.000	2.280	2.278	2.276	2.274	2.272
450.000	2.270	2.268	2.266	2.265	2.263
455.000	2.261	2.259	2.257	2.255	2.253
460.000	2.251	2.249	2.247	2.246	2.244
465.000	2.242	2.240	2.238	2.236	2.234
470.000	2.232	2.231	2.229	2.227	2.225
475.000	2.223	2.221	2.219	2.217	2.216
480.000	2.214	2.212	2.210	2.208	2.206
485.000	2.204	2.203	2.201	2.199	2.197
490.000	2.195	2.193	2.192	2.190	2.188
495.000	2.186	2.184	2.182	2.181	2.179
500.000	2.177	2.175	2.173	2.171	2.170
505.000	2.168	2.166	2.164	2.162	2.161
510.000	2.159	2.157	2.155	2.153	2.152
515.000	2.150	2.148	2.146	2.144	2.143
520.000	2.141	2.139	2.137	2.135	2.134
525.000	2.132	2.130	2.128	2.127	2.125
530.000	2.123	2.121	2.120	2.118	2.116
535.000	2.114	2.113	2.111	2.109	2.107
540.000	2.106	2.104	2.102	2.100	2.099
545.000	2.097	2.095	2.093	2.092	2.090
550.000	2.088	2.086	2.085	2.083	2.081
555.000	2.080	2.078	2.076	2.074	2.073
560.000	2.071	2.069	2.068	2.066	2.064
565.000	2.063	2.061	2.059	2.058	2.056
570.000	2.054	2.053	2.051	2.049	2.048
575.000	2.046	2.044	2.043	2.041	2.040
580.000	2.038	2.036	2.035	2.033	2.031
585.000	2.030	2.028	2.026	2.025	2.023
590.000	2.022	2.020	2.018	2.017	2.015
595.000	2.014	2.012	2.010	2.009	2.007
600.000	2.006	2.004	2.003	2.001	1.999
605.000	1.998	1.996	1.995	1.993	1.992
610.000	1.990	1.988	1.987	1.985	1.984

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
615.000	1.982	1.981	1.979	1.977	1.976
620.000	1.974	1.973	1.971	1.970	1.968
625.000	1.967	1.965	1.964	1.962	1.960
630.000	1.959	1.957	1.956	1.954	1.953
635.000	1.951	1.950	1.948	1.947	1.945
640.000	1.943	1.942	1.940	1.939	1.937
645.000	1.936	1.934	1.933	1.931	1.930
650.000	1.928	1.927	1.925	1.924	1.922
655.000	1.921	1.919	1.917	1.916	1.914
660.000	1.913	1.911	1.910	1.908	1.907
665.000	1.905	1.904	1.902	1.901	1.899
670.000	1.898	1.896	1.895	1.893	1.892
675.000	1.890	1.889	1.887	1.886	1.884
680.000	1.883	1.881	1.880	1.878	1.877
685.000	1.875	1.874	1.872	1.871	1.869
690.000	1.868	1.866	1.865	1.863	1.862
695.000	1.860	1.859	1.857	1.856	1.854
700.000	1.853	1.851	1.850	1.848	1.847
705.000	1.845	1.844	1.842	1.841	1.839
710.000	1.838	1.836	1.835	1.833	1.832
715.000	1.830	1.829	1.827	1.826	1.824
720.000	1.823	1.821	1.820	1.818	1.817
725.000	1.815	1.814	1.812	1.811	1.809
730.000	1.808	1.806	1.805	1.804	1.802
735.000	1.801	1.799	1.798	1.796	1.795
740.000	1.793	1.792	1.790	1.789	1.787
745.000	1.786	1.785	1.783	1.782	1.780
750.000	1.779	1.777	1.776	1.774	1.773
755.000	1.771	1.770	1.768	1.767	1.766
760.000	1.764	1.763	1.761	1.760	1.758
765.000	1.757	1.755	1.754	1.752	1.751
770.000	1.750	1.748	1.747	1.745	1.744
775.000	1.742	1.741	1.739	1.738	1.737
780.000	1.735	1.734	1.732	1.731	1.729
785.000	1.728	1.727	1.725	1.724	1.722
790.000	1.721	1.719	1.718	1.717	1.715
795.000	1.714	1.712	1.711	1.709	1.708
800.000	1.707	1.705	1.704	1.702	1.701
805.000	1.699	1.698	1.697	1.695	1.694
810.000	1.692	1.691	1.689	1.688	1.687
815.000	1.685	1.684	1.682	1.681	1.680

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
820.000	1.678	1.677	1.675	1.674	1.673
825.000	1.671	1.670	1.668	1.667	1.666
830.000	1.664	1.663	1.661	1.660	1.659
835.000	1.657	1.656	1.654	1.653	1.652
840.000	1.650	1.649	1.647	1.646	1.645
845.000	1.643	1.642	1.640	1.639	1.638
850.000	1.636	1.635	1.633	1.632	1.631
855.000	1.629	1.628	1.627	1.625	1.624
860.000	1.622	1.621	1.620	1.618	1.617
865.000	1.615	1.614	1.613	1.611	1.610
870.000	1.609	1.607	1.606	1.605	1.603
875.000	1.602	1.600	1.599	1.598	1.596
880.000	1.595	1.594	1.592	1.591	1.589
885.000	1.588	1.587	1.585	1.584	1.583
890.000	1.581	1.580	1.579	1.577	1.576
895.000	1.575	1.573	1.572	1.571	1.569
900.000	1.568	1.566	1.565	1.564	1.562
905.000	1.561	1.560	1.558	1.557	1.556
910.000	1.554	1.553	1.552	1.550	1.549
915.000	1.548	1.546	1.545	1.544	1.542
920.000	1.541	1.540	1.538	1.537	1.536
925.000	1.534	1.533	1.532	1.530	1.529
930.000	1.528	1.526	1.525	1.524	1.522
935.000	1.521	1.520	1.518	1.517	1.516
940.000	1.514	1.513	1.512	1.511	1.509
945.000	1.508	1.507	1.505	1.504	1.503
950.000	1.501	1.500	1.499	1.497	1.496
955.000	1.495	1.493	1.492	1.491	1.490
960.000	1.488	1.487	1.486	1.484	1.483
965.000	1.482	1.480	1.479	1.478	1.477
970.000	1.475	1.474	1.473	1.471	1.470
975.000	1.469	1.468	1.466	1.465	1.464
980.000	1.462	1.461	1.460	1.459	1.457
985.000	1.456	1.455	1.453	1.452	1.451
990.000	1.450	1.448	1.447	1.446	1.445
995.000	1.443	1.442	1.441	1.439	1.438
1,000.000	1.437	1.436	1.434	1.433	1.432
1,005.000	1.431	1.429	1.428	1.427	1.426
1,010.000	1.424	1.423	1.422	1.420	1.419
1,015.000	1.418	1.417	1.415	1.414	1.413
1,020.000	1.412	1.410	1.409	1.408	1.407

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
1,025.000	1.405	1.404	1.403	1.402	1.400
1,030.000	1.399	1.398	1.397	1.396	1.394
1,035.000	1.393	1.392	1.391	1.389	1.388
1,040.000	1.387	1.386	1.384	1.383	1.382
1,045.000	1.381	1.379	1.378	1.377	1.376
1,050.000	1.375	1.373	1.372	1.371	1.370
1,055.000	1.368	1.367	1.366	1.365	1.364
1,060.000	1.362	1.361	1.360	1.359	1.358
1,065.000	1.356	1.355	1.354	1.353	1.352
1,070.000	1.350	1.349	1.348	1.347	1.345
1,075.000	1.344	1.343	1.342	1.341	1.339
1,080.000	1.338	1.337	1.336	1.335	1.333
1,085.000	1.332	1.331	1.330	1.329	1.328
1,090.000	1.326	1.325	1.324	1.323	1.322
1,095.000	1.320	1.319	1.318	1.317	1.316
1,100.000	1.315	1.313	1.312	1.311	1.310
1,105.000	1.309	1.308	1.306	1.305	1.304
1,110.000	1.303	1.302	1.301	1.299	1.298
1,115.000	1.297	1.296	1.295	1.294	1.292
1,120.000	1.291	1.290	1.289	1.288	1.287
1,125.000	1.285	1.284	1.283	1.282	1.281
1,130.000	1.280	1.279	1.277	1.276	1.275
1,135.000	1.274	1.273	1.272	1.271	1.269
1,140.000	1.268	1.267	1.266	1.265	1.264
1,145.000	1.263	1.262	1.260	1.259	1.258
1,150.000	1.257	1.256	1.255	1.254	1.253
1,155.000	1.251	1.250	1.249	1.248	1.247
1,160.000	1.246	1.245	1.244	1.243	1.241
1,165.000	1.240	1.239	1.238	1.237	1.236
1,170.000	1.235	1.234	1.233	1.232	1.230
1,175.000	1.229	1.228	1.227	1.226	1.225
1,180.000	1.224	1.223	1.222	1.221	1.220
1,185.000	1.219	1.217	1.216	1.215	1.214
1,190.000	1.213	1.212	1.211	1.210	1.209
1,195.000	1.208	1.207	1.206	1.205	1.204
1,200.000	1.203	1.202	1.201	1.199	1.198
1,205.000	1.197	1.196	1.195	1.194	1.193
1,210.000	1.192	1.191	1.190	1.189	1.188
1,215.000	1.187	1.186	1.185	1.184	1.183
1,220.000	1.182	1.181	1.180	1.179	1.178
1,225.000	1.177	1.176	1.175	1.174	1.173

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
1,230.000	1.172	1.171	1.170	1.169	1.168
1,235.000	1.167	1.166	1.165	1.164	1.163
1,240.000	1.162	1.161	1.160	1.159	1.158
1,245.000	1.157	1.156	1.155	1.154	1.153
1,250.000	1.152	1.151	1.150	1.149	1.149
1,255.000	1.148	1.147	1.146	1.145	1.144
1,260.000	1.143	1.142	1.141	1.140	1.139
1,265.000	1.138	1.137	1.136	1.135	1.134
1,270.000	1.133	1.132	1.131	1.130	1.129
1,275.000	1.128	1.128	1.127	1.126	1.125
1,280.000	1.124	1.123	1.122	1.121	1.120
1,285.000	1.119	1.118	1.117	1.116	1.115
1,290.000	1.114	1.113	1.113	1.112	1.111
1,295.000	1.110	1.109	1.108	1.107	1.106
1,300.000	1.105	1.104	1.103	1.102	1.101
1,305.000	1.100	1.099	1.099	1.098	1.097
1,310.000	1.096	1.095	1.094	1.093	1.092
1,315.000	1.091	1.090	1.089	1.088	1.087
1,320.000	1.086	1.086	1.085	1.084	1.083
1,325.000	1.082	1.081	1.080	1.079	1.078
1,330.000	1.077	1.076	1.075	1.074	1.074
1,335.000	1.073	1.072	1.071	1.070	1.069
1,340.000	1.068	1.067	1.066	1.065	1.064
1,345.000	1.063	1.062	1.062	1.061	1.060
1,350.000	1.059	1.058	1.057	1.056	1.055
1,355.000	1.054	1.053	1.052	1.051	1.050
1,360.000	1.050	1.049	1.048	1.047	1.046
1,365.000	1.045	1.044	1.043	1.042	1.041
1,370.000	1.040	1.039	1.039	1.038	1.037
1,375.000	1.036	1.035	1.034	1.033	1.032
1,380.000	1.031	1.030	1.029	1.029	1.028
1,385.000	1.027	1.026	1.025	1.024	1.023
1,390.000	1.022	1.021	1.020	1.019	1.018
1,395.000	1.018	1.017	1.016	1.015	1.014
1,400.000	1.013	1.012	1.011	1.010	1.009
1,405.000	1.008	1.008	1.007	1.006	1.005
1,410.000	1.004	1.003	1.002	1.001	1.000
1,415.000	0.999	0.998	0.998	0.997	0.996
1,420.000	0.995	0.994	0.993	0.992	0.991
1,425.000	0.990	0.989	0.989	0.988	0.987
1,430.000	0.986	0.985	0.984	0.983	0.982

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
1,435.000	0.981	0.980	0.979	0.979	0.978
1,440.000	0.977	0.976	0.975	0.974	0.973
1,445.000	0.972	0.971	0.970	0.970	0.969
1,450.000	0.968	0.967	0.966	0.965	0.964
1,455.000	0.963	0.962	0.962	0.961	0.960
1,460.000	0.959	0.958	0.957	0.956	0.955
1,465.000	0.954	0.953	0.953	0.952	0.951
1,470.000	0.950	0.949	0.948	0.947	0.946
1,475.000	0.945	0.945	0.944	0.943	0.942
1,480.000	0.941	0.940	0.939	0.938	0.937
1,485.000	0.936	0.936	0.935	0.934	0.933
1,490.000	0.932	0.931	0.930	0.929	0.928
1,495.000	0.928	0.927	0.926	0.925	0.924
1,500.000	0.923	0.922	0.921	0.920	0.920
1,505.000	0.919	0.918	0.917	0.916	0.915
1,510.000	0.914	0.913	0.912	0.912	0.911
1,515.000	0.910	0.909	0.908	0.907	0.906
1,520.000	0.905	0.905	0.904	0.903	0.902
1,525.000	0.901	0.900	0.899	0.898	0.897
1,530.000	0.897	0.896	0.895	0.894	0.893
1,535.000	0.892	0.891	0.890	0.890	0.889
1,540.000	0.888	0.887	0.886	0.885	0.884
1,545.000	0.883	0.883	0.882	0.881	0.880
1,550.000	0.879	0.878	0.877	0.876	0.876
1,555.000	0.875	0.874	0.873	0.872	0.871
1,560.000	0.870	0.869	0.869	0.868	0.867
1,565.000	0.866	0.865	0.864	0.863	0.862
1,570.000	0.862	0.861	0.860	0.859	0.858
1,575.000	0.857	0.856	0.855	0.855	0.854
1,580.000	0.853	0.852	0.851	0.850	0.849
1,585.000	0.848	0.848	0.847	0.846	0.845
1,590.000	0.844	0.843	0.842	0.842	0.841
1,595.000	0.840	0.839	0.838	0.837	0.836
1,600.000	0.835	0.835	0.834	0.833	0.832
1,605.000	0.831	0.830	0.829	0.829	0.828
1,610.000	0.827	0.826	0.825	0.824	0.823
1,615.000	0.822	0.822	0.821	0.820	0.819
1,620.000	0.818	0.817	0.816	0.816	0.815
1,625.000	0.814	0.813	0.812	0.811	0.810
1,630.000	0.810	0.809	0.808	0.807	0.806
1,635.000	0.805	0.804	0.804	0.803	0.802

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
1,640.000	0.801	0.800	0.799	0.798	0.798
1,645.000	0.797	0.796	0.795	0.794	0.793
1,650.000	0.792	0.792	0.791	0.790	0.789
1,655.000	0.788	0.787	0.786	0.786	0.785
1,660.000	0.784	0.783	0.782	0.781	0.780
1,665.000	0.780	0.779	0.778	0.777	0.776
1,670.000	0.775	0.775	0.774	0.773	0.772
1,675.000	0.771	0.770	0.769	0.769	0.768
1,680.000	0.767	0.766	0.765	0.764	0.764
1,685.000	0.763	0.762	0.761	0.760	0.759
1,690.000	0.758	0.758	0.757	0.756	0.755
1,695.000	0.754	0.753	0.753	0.752	0.751
1,700.000	0.750	0.749	0.748	0.747	0.747
1,705.000	0.746	0.745	0.744	0.743	0.742
1,710.000	0.742	0.741	0.740	0.739	0.738
1,715.000	0.737	0.737	0.736	0.735	0.734
1,720.000	0.733	0.732	0.731	0.731	0.730
1,725.000	0.729	0.728	0.727	0.726	0.726
1,730.000	0.725	0.724	0.723	0.722	0.721
1,735.000	0.721	0.720	0.719	0.718	0.717
1,740.000	0.716	0.716	0.715	0.714	0.713
1,745.000	0.712	0.711	0.711	0.710	0.709
1,750.000	0.708	0.707	0.706	0.706	0.705
1,755.000	0.704	0.703	0.702	0.701	0.701
1,760.000	0.700	0.699	0.698	0.697	0.697
1,765.000	0.696	0.695	0.694	0.693	0.692
1,770.000	0.692	0.691	0.690	0.689	0.688
1,775.000	0.687	0.687	0.686	0.685	0.684
1,780.000	0.683	0.682	0.682	0.681	0.680
1,785.000	0.679	0.678	0.678	0.677	0.676
1,790.000	0.675	0.674	0.673	0.673	0.672
1,795.000	0.671	0.670	0.669	0.669	0.668
1,800.000	0.667	0.666	0.665	0.664	0.664
1,805.000	0.663	0.662	0.661	0.660	0.660
1,810.000	0.659	0.658	0.657	0.656	0.655
1,815.000	0.655	0.654	0.653	0.652	0.651
1,820.000	0.651	0.650	0.649	0.648	0.647
1,825.000	0.646	0.646	0.645	0.644	0.643
1,830.000	0.642	0.642	0.641	0.640	0.639
1,835.000	0.638	0.638	0.637	0.636	0.635
1,840.000	0.634	0.633	0.633	0.632	0.631

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
1,845.000	0.630	0.629	0.629	0.628	0.627
1,850.000	0.626	0.625	0.625	0.624	0.623
1,855.000	0.622	0.621	0.621	0.620	0.619
1,860.000	0.618	0.617	0.617	0.616	0.615
1,865.000	0.614	0.613	0.612	0.612	0.611
1,870.000	0.610	0.609	0.608	0.608	0.607
1,875.000	0.606	0.605	0.604	0.604	0.603
1,880.000	0.602	0.601	0.600	0.600	0.599
1,885.000	0.598	0.597	0.596	0.596	0.595
1,890.000	0.594	0.593	0.592	0.592	0.591
1,895.000	0.590	0.589	0.588	0.588	0.587
1,900.000	0.586	0.585	0.585	0.584	0.583
1,905.000	0.582	0.581	0.581	0.580	0.579
1,910.000	0.578	0.577	0.577	0.576	0.575
1,915.000	0.574	0.573	0.573	0.572	0.571
1,920.000	0.570	0.569	0.569	0.568	0.567
1,925.000	0.566	0.566	0.565	0.564	0.563
1,930.000	0.562	0.562	0.561	0.560	0.559
1,935.000	0.558	0.558	0.557	0.556	0.555
1,940.000	0.554	0.554	0.553	0.552	0.551
1,945.000	0.551	0.550	0.549	0.548	0.547
1,950.000	0.547	0.546	0.545	0.544	0.543
1,955.000	0.543	0.542	0.541	0.540	0.540
1,960.000	0.539	0.538	0.537	0.536	0.536
1,965.000	0.535	0.534	0.533	0.533	0.532
1,970.000	0.531	0.530	0.529	0.529	0.528
1,975.000	0.527	0.526	0.526	0.525	0.524
1,980.000	0.523	0.522	0.522	0.521	0.520
1,985.000	0.519	0.519	0.518	0.517	0.516
1,990.000	0.515	0.515	0.514	0.513	0.512
1,995.000	0.512	0.511	0.510	0.509	0.509
2,000.000	0.508	0.507	0.506	0.505	0.505
2,005.000	0.504	0.503	0.502	0.502	0.501
2,010.000	0.500	0.499	0.499	0.498	0.497
2,015.000	0.496	0.495	0.495	0.494	0.493
2,020.000	0.492	0.492	0.491	0.490	0.489
2,025.000	0.489	0.488	0.487	0.486	0.486
2,030.000	0.485	0.484	0.483	0.482	0.482
2,035.000	0.481	0.480	0.479	0.479	0.478
2,040.000	0.477	0.476	0.476	0.475	0.474
2,045.000	0.473	0.473	0.472	0.471	0.470

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
2,050.000	0.470	0.469	0.468	0.467	0.466
2,055.000	0.466	0.465	0.464	0.463	0.463
2,060.000	0.462	0.461	0.460	0.460	0.459
2,065.000	0.458	0.457	0.457	0.456	0.455
2,070.000	0.454	0.454	0.453	0.452	0.451
2,075.000	0.451	0.450	0.449	0.448	0.448
2,080.000	0.447	0.446	0.445	0.445	0.444
2,085.000	0.443	0.442	0.442	0.441	0.440
2,090.000	0.439	0.439	0.438	0.437	0.436
2,095.000	0.436	0.435	0.434	0.433	0.433
2,100.000	0.432	0.431	0.430	0.430	0.429
2,105.000	0.428	0.427	0.427	0.426	0.425
2,110.000	0.424	0.424	0.423	0.422	0.422
2,115.000	0.421	0.420	0.419	0.419	0.418
2,120.000	0.417	0.416	0.416	0.415	0.414
2,125.000	0.413	0.413	0.412	0.411	0.410
2,130.000	0.410	0.409	0.408	0.407	0.407
2,135.000	0.406	0.405	0.405	0.404	0.403
2,140.000	0.402	0.402	0.401	0.400	0.399
2,145.000	0.399	0.398	0.397	0.396	0.396
2,150.000	0.395	0.394	0.394	0.393	0.392
2,155.000	0.391	0.391	0.390	0.389	0.388
2,160.000	0.388	0.387	0.386	0.385	0.385
2,165.000	0.384	0.383	0.383	0.382	0.381
2,170.000	0.380	0.380	0.379	0.378	0.378
2,175.000	0.377	0.376	0.375	0.375	0.374
2,180.000	0.373	0.372	0.372	0.371	0.370
2,185.000	0.370	0.369	0.368	0.367	0.367
2,190.000	0.366	0.365	0.364	0.364	0.363
2,195.000	0.362	0.362	0.361	0.360	0.359
2,200.000	0.359	0.358	0.357	0.357	0.356
2,205.000	0.355	0.354	0.354	0.353	0.352
2,210.000	0.352	0.351	0.350	0.349	0.349
2,215.000	0.348	0.347	0.347	0.346	0.345
2,220.000	0.344	0.344	0.343	0.342	0.342
2,225.000	0.341	0.340	0.339	0.339	0.338
2,230.000	0.337	0.337	0.336	0.335	0.334
2,235.000	0.334	0.333	0.332	0.332	0.331
2,240.000	0.330	0.329	0.329	0.328	0.327
2,245.000	0.327	0.326	0.325	0.325	0.324
2,250.000	0.323	0.322	0.322	0.321	0.320

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
2,255.000	0.320	0.319	0.318	0.318	0.317
2,260.000	0.316	0.315	0.315	0.314	0.313
2,265.000	0.313	0.312	0.311	0.311	0.310
2,270.000	0.309	0.308	0.308	0.307	0.306
2,275.000	0.306	0.305	0.304	0.304	0.303
2,280.000	0.302	0.301	0.301	0.300	0.299
2,285.000	0.299	0.298	0.297	0.297	0.296
2,290.000	0.295	0.295	0.294	0.293	0.292
2,295.000	0.292	0.291	0.290	0.290	0.289
2,300.000	0.288	0.288	0.287	0.286	0.286
2,305.000	0.285	0.284	0.284	0.283	0.282
2,310.000	0.281	0.281	0.280	0.279	0.279
2,315.000	0.278	0.277	0.277	0.276	0.275
2,320.000	0.275	0.274	0.273	0.273	0.272
2,325.000	0.271	0.271	0.270	0.269	0.268
2,330.000	0.268	0.267	0.266	0.266	0.265
2,335.000	0.264	0.264	0.263	0.262	0.262
2,340.000	0.261	0.260	0.260	0.259	0.258
2,345.000	0.258	0.257	0.256	0.256	0.255
2,350.000	0.254	0.254	0.253	0.252	0.252
2,355.000	0.251	0.250	0.250	0.249	0.248
2,360.000	0.248	0.247	0.246	0.246	0.245
2,365.000	0.244	0.244	0.243	0.242	0.242
2,370.000	0.241	0.240	0.240	0.239	0.238
2,375.000	0.238	0.237	0.236	0.236	0.235
2,380.000	0.234	0.234	0.233	0.232	0.232
2,385.000	0.231	0.230	0.230	0.229	0.228
2,390.000	0.228	0.227	0.226	0.226	0.225
2,395.000	0.224	0.224	0.223	0.222	0.222
2,400.000	0.221	0.221	0.220	0.219	0.219
2,405.000	0.218	0.217	0.217	0.216	0.215
2,410.000	0.215	0.214	0.213	0.213	0.212
2,415.000	0.211	0.211	0.210	0.210	0.209
2,420.000	0.208	0.208	0.207	0.206	0.206
2,425.000	0.205	0.204	0.204	0.203	0.202
2,430.000	0.202	0.201	0.201	0.200	0.199
2,435.000	0.199	0.198	0.197	0.197	0.196
2,440.000	0.195	0.195	0.194	0.194	0.193
2,445.000	0.192	0.192	0.191	0.190	0.190
2,450.000	0.189	0.189	0.188	0.187	0.187
2,455.000	0.186	0.185	0.185	0.184	0.184

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
2,460.000	0.183	0.182	0.182	0.181	0.180
2,465.000	0.180	0.179	0.179	0.178	0.177
2,470.000	0.177	0.176	0.175	0.175	0.174
2,475.000	0.174	0.173	0.172	0.172	0.171
2,480.000	0.170	0.170	0.169	0.169	0.168
2,485.000	0.167	0.167	0.166	0.166	0.165
2,490.000	0.164	0.164	0.163	0.162	0.162
2,495.000	0.161	0.161	0.160	0.159	0.159
2,500.000	0.158	0.157	0.157	0.156	0.156
2,505.000	0.155	0.154	0.154	0.153	0.153
2,510.000	0.152	0.151	0.151	0.150	0.149
2,515.000	0.149	0.148	0.148	0.147	0.146
2,520.000	0.146	0.145	0.145	0.144	0.143
2,525.000	0.143	0.142	0.142	0.141	0.140
2,530.000	0.140	0.139	0.138	0.138	0.137
2,535.000	0.137	0.136	0.135	0.135	0.134
2,540.000	0.134	0.133	0.132	0.132	0.131
2,545.000	0.131	0.130	0.129	0.129	0.128
2,550.000	0.128	0.127	0.126	0.126	0.125
2,555.000	0.124	0.124	0.123	0.123	0.122
2,560.000	0.121	0.121	0.120	0.120	0.119
2,565.000	0.118	0.118	0.117	0.117	0.116
2,570.000	0.115	0.115	0.114	0.114	0.113
2,575.000	0.112	0.112	0.111	0.111	0.110
2,580.000	0.109	0.109	0.108	0.108	0.107
2,585.000	0.106	0.106	0.105	0.104	0.104
2,590.000	0.103	0.103	0.102	0.101	0.101
2,595.000	0.100	0.100	0.099	0.098	0.098
2,600.000	0.097	0.097	0.096	0.095	0.095
2,605.000	0.094	0.094	0.093	0.092	0.092
2,610.000	0.091	0.091	0.090	0.089	0.089
2,615.000	0.088	0.088	0.087	0.086	0.086
2,620.000	0.085	0.085	0.084	0.083	0.083
2,625.000	0.082	0.082	0.081	0.081	0.080
2,630.000	0.079	0.079	0.078	0.078	0.077
2,635.000	0.076	0.076	0.075	0.075	0.074
2,640.000	0.073	0.073	0.072	0.072	0.071
2,645.000	0.070	0.070	0.069	0.069	0.068
2,650.000	0.067	0.067	0.066	0.066	0.065
2,655.000	0.064	0.064	0.063	0.063	0.062
2,660.000	0.062	0.061	0.060	0.060	0.059

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
2,665.000	0.059	0.058	0.057	0.057	0.056
2,670.000	0.056	0.055	0.054	0.054	0.053
2,675.000	0.053	0.052	0.051	0.051	0.050
2,680.000	0.050	0.049	0.049	0.048	0.047
2,685.000	0.047	0.046	0.046	0.045	0.044
2,690.000	0.044	0.043	0.043	0.042	0.042
2,695.000	0.041	0.040	0.040	0.039	0.039
2,700.000	0.038	0.037	0.037	0.036	0.036
2,705.000	0.035	0.035	0.034	0.033	0.033
2,710.000	0.032	0.032	0.031	0.030	0.030
2,715.000	0.029	0.028	0.028	0.027	0.027
2,720.000	0.026	0.025	0.025	0.024	0.023
2,725.000	0.023	0.022	0.022	0.021	0.020
2,730.000	0.020	0.019	0.018	0.018	0.017
2,735.000	0.017	0.016	0.015	0.015	0.014
2,740.000	0.013	0.013	0.012	0.012	0.011
2,745.000	0.010	0.010	0.009	0.009	0.008
2,750.000	0.007	0.007	0.006	0.005	0.005
2,755.000	0.004	0.004	0.003	0.002	0.002
2,760.000	0.001	0.001	0.001	0.001	0.001
2,765.000	0.000	0.000	0.000	0.000	0.000
2,770.000	0.000	0.000	0.000	0.000	0.000
2,775.000	0.000	0.000	0.000	0.000	0.000
2,780.000	0.000	0.000	0.000	0.000	0.000
2,785.000	0.000	0.000	0.000	0.000	0.000
2,790.000	0.000	0.000	0.000	0.000	0.000
2,795.000	0.000	0.000	0.000	0.000	0.000
2,800.000	0.000	0.000	0.000	0.000	0.000
2,805.000	0.000	0.000	0.000	0.000	0.000
2,810.000	0.000	0.000	0.000	0.000	0.000
2,815.000	0.000	0.000	0.000	0.000	0.000
2,820.000	0.000	0.000	0.000	0.000	0.000
2,825.000	0.000	0.000	0.000	0.000	0.000
2,830.000	0.000	0.000	0.000	0.000	0.000
2,835.000	0.000	0.000	0.000	0.000	0.000
2,840.000	0.000	0.000	0.000	0.000	0.000
2,845.000	0.000	0.000	0.000	0.000	0.000
2,850.000	0.000	0.000	0.000	0.000	0.000
2,855.000	0.000	0.000	0.000	0.000	0.000
2,860.000	0.000	0.000	0.000	0.000	0.000
2,865.000	0.000	0.000	0.000	0.000	0.000

Basin 11

Subsection: Time vs. Volume
Label: 1

Return Event: 100 years
Storm Event:

Time vs. Volume (ac-ft)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
2,870.000	0.000	0.000	0.000	0.000	0.000
2,875.000	0.000	0.000	0.000	0.000	0.000
2,880.000	0.000	0.000	0.000	0.000	0.000
2,885.000	0.000	0.000	0.000	0.000	0.000
2,890.000	0.000	0.000	0.000	0.000	0.000
2,895.000	0.000	0.000	0.000	0.000	0.000
2,900.000	0.000	0.000	0.000	0.000	0.000
2,905.000	0.000	0.000	0.000	0.000	0.000
2,910.000	0.000	0.000	0.000	0.000	0.000
2,915.000	0.000	0.000	0.000	0.000	0.000
2,920.000	0.000	0.000	0.000	0.000	0.000
2,925.000	0.000	0.000	0.000	0.000	0.000
2,930.000	0.000	0.000	0.000	0.000	0.000
2,935.000	0.000	0.000	0.000	0.000	0.000
2,940.000	0.000	0.000	0.000	0.000	0.000
2,945.000	0.000	0.000	0.000	0.000	0.000
2,950.000	0.000	0.000	0.000	0.000	0.000
2,955.000	0.000	0.000	0.000	0.000	0.000
2,960.000	0.000	0.000	0.000	0.000	0.000
2,965.000	0.000	0.000	0.000	0.000	0.000
2,970.000	0.000	0.000	0.000	0.000	0.000
2,975.000	0.000	0.000	0.000	0.000	0.000
2,980.000	0.000	0.000	0.000	0.000	0.000
2,985.000	0.000	0.000	0.000	0.000	0.000
2,990.000	0.000	0.000	0.000	0.000	0.000
2,995.000	0.000	0.000	0.000	0.000	0.000
3,000.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Basin 11

Subsection: Elevation-Area Volume Curve
Label: 1

Return Event: 100 years
Storm Event:

Elevation (ft)	Planimeter (ft²)	Area (ft²)	A1+A2+sqr (A1*A2) (ft²)	Volume (ac-ft)	Volume (Total) (ac-ft)
638.49	0.0	10.000	0.000	0.000	0.000
641.99	0.0	10.000	30.000	0.001	0.001
642.00	0.0	14,665.770	15,058.729	0.001	0.002
643.00	0.0	15,603.430	45,396.537	0.347	0.349
644.00	0.0	16,566.220	48,247.270	0.369	0.719
645.00	0.0	17,554.140	51,173.387	0.392	1.110
646.00	0.0	18,567.200	54,174.906	0.415	1.525
647.00	0.0	19,605.390	57,251.825	0.438	1.963
648.00	0.0	20,668.720	60,404.145	0.462	2.425
649.00	0.0	21,757.180	63,631.868	0.487	2.912
650.00	0.0	22,870.770	66,934.977	0.512	3.424

Basin 11

Subsection: Volume Equations | Return Event: 100 years
Label: 1 | Storm Event:

Pond Volume Equations
* Incremental volume computed by the Conic Method for Reservoir Volumes.

Volume = (1/3) * (EL2 - El1) * (Area1 + Area2 + sqr(Area1 * Area2))

where:	EL1, EL2	Lower and upper elevations of the increment
	Area1, Area2	Areas computed for EL1, EL2, respectively
	Volume	Incremental volume between EL1 and EL2

Basin 11

Subsection: Outlet Input Data
Label: Outlet#1

Return Event: 100 years
Storm Event:

Requested Pond Water Surface Elevations	
Minimum (Headwater)	638.49 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	650.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	Orifice - 1	Forward	TW	642.50	650.00
Orifice-Circular	Orifice - 2	Forward	TW	645.00	650.00
Orifice-Circular	Orifice - 3	Forward	TW	647.00	650.00
Inlet Box	Riser - 1	Forward	TW	648.00	650.00
Orifice-Circular	Orifice - Underdrain	Forward	TW	638.75	650.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Basin 11

Subsection: Outlet Input Data
Label: Outlet#1

Return Event: 100 years
Storm Event:

Structure ID: Orifice - 1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	642.50 ft
Orifice Diameter	1.5 in
Orifice Coefficient	0.600

Structure ID: Riser - 1 Structure Type: Inlet Box	
Number of Openings	1
Elevation	648.00 ft
Orifice Area	16.1 ft²
Orifice Coefficient	0.600
Weir Length	16.50 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: Orifice - Underdrain Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	638.75 ft
Orifice Diameter	3.0 in
Orifice Coefficient	0.600

Structure ID: Orifice - 2 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	645.00 ft
Orifice Diameter	3.0 in
Orifice Coefficient	0.600

Structure ID: Orifice - 3 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	647.00 ft
Orifice Diameter	3.0 in
Orifice Coefficient	0.600

Structure ID: TW

Basin 11

Subsection: Outlet Input Data
Label: Outlet#1

Return Event: 100 years
Storm Event:

Structure Type: TW Setup, DS Channel

Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft^3/s
Flow Tolerance (Maximum)	10.000 ft^3/s

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
638.49	0.00	(N/A)	0.00
638.59	0.00	(N/A)	0.00
638.69	0.00	(N/A)	0.00
638.75	0.00	(N/A)	0.00
638.79	0.00	(N/A)	0.00
638.89	0.03	(N/A)	0.00
638.99	0.08	(N/A)	0.00
639.09	0.11	(N/A)	0.00
639.19	0.13	(N/A)	0.00
639.29	0.15	(N/A)	0.00
639.39	0.17	(N/A)	0.00
639.49	0.19	(N/A)	0.00
639.59	0.20	(N/A)	0.00
639.69	0.21	(N/A)	0.00
639.79	0.23	(N/A)	0.00
639.89	0.24	(N/A)	0.00
639.99	0.25	(N/A)	0.00
640.09	0.26	(N/A)	0.00
640.19	0.27	(N/A)	0.00
640.29	0.28	(N/A)	0.00
640.39	0.29	(N/A)	0.00
640.49	0.30	(N/A)	0.00
640.59	0.31	(N/A)	0.00
640.69	0.32	(N/A)	0.00
640.79	0.33	(N/A)	0.00
640.89	0.34	(N/A)	0.00
640.99	0.34	(N/A)	0.00
641.09	0.35	(N/A)	0.00
641.19	0.36	(N/A)	0.00
641.29	0.37	(N/A)	0.00
641.39	0.37	(N/A)	0.00
641.49	0.38	(N/A)	0.00
641.59	0.39	(N/A)	0.00
641.69	0.40	(N/A)	0.00
641.79	0.40	(N/A)	0.00
641.89	0.41	(N/A)	0.00
641.99	0.42	(N/A)	0.00
642.09	0.42	(N/A)	0.00
642.19	0.43	(N/A)	0.00
642.29	0.44	(N/A)	0.00
642.39	0.44	(N/A)	0.00
642.49	0.45	(N/A)	0.00
642.50	0.45	(N/A)	0.00

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)
642.59	0.46	(N/A)	0.00
642.69	0.48	(N/A)	0.00
642.79	0.50	(N/A)	0.00
642.89	0.51	(N/A)	0.00
642.99	0.52	(N/A)	0.00
643.09	0.53	(N/A)	0.00
643.19	0.54	(N/A)	0.00
643.29	0.55	(N/A)	0.00
643.39	0.56	(N/A)	0.00
643.49	0.56	(N/A)	0.00
643.59	0.57	(N/A)	0.00
643.69	0.58	(N/A)	0.00
643.79	0.59	(N/A)	0.00
643.89	0.60	(N/A)	0.00
643.99	0.60	(N/A)	0.00
644.09	0.61	(N/A)	0.00
644.19	0.62	(N/A)	0.00
644.29	0.63	(N/A)	0.00
644.39	0.63	(N/A)	0.00
644.49	0.64	(N/A)	0.00
644.59	0.65	(N/A)	0.00
644.69	0.66	(N/A)	0.00
644.79	0.66	(N/A)	0.00
644.89	0.67	(N/A)	0.00
644.99	0.68	(N/A)	0.00
645.00	0.68	(N/A)	0.00
645.09	0.70	(N/A)	0.00
645.19	0.74	(N/A)	0.00
645.29	0.79	(N/A)	0.00
645.39	0.82	(N/A)	0.00
645.49	0.85	(N/A)	0.00
645.59	0.88	(N/A)	0.00
645.69	0.90	(N/A)	0.00
645.79	0.92	(N/A)	0.00
645.89	0.94	(N/A)	0.00
645.99	0.96	(N/A)	0.00
646.09	0.98	(N/A)	0.00
646.19	1.00	(N/A)	0.00
646.29	1.01	(N/A)	0.00
646.39	1.03	(N/A)	0.00
646.49	1.05	(N/A)	0.00
646.59	1.06	(N/A)	0.00
646.69	1.08	(N/A)	0.00

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft^3/s)	Tailwater Elevation (ft)	Convergence Error (ft)
646.79	1.09	(N/A)	0.00
646.89	1.11	(N/A)	0.00
646.99	1.12	(N/A)	0.00
647.00	1.12	(N/A)	0.00
647.09	1.15	(N/A)	0.00
647.19	1.20	(N/A)	0.00
647.29	1.26	(N/A)	0.00
647.39	1.30	(N/A)	0.00
647.49	1.33	(N/A)	0.00
647.59	1.36	(N/A)	0.00
647.69	1.39	(N/A)	0.00
647.79	1.42	(N/A)	0.00
647.89	1.45	(N/A)	0.00
647.99	1.47	(N/A)	0.00
648.00	1.47	(N/A)	0.00
648.09	2.83	(N/A)	0.00
648.19	5.62	(N/A)	0.00
648.29	9.27	(N/A)	0.00
648.39	13.62	(N/A)	0.00
648.49	18.56	(N/A)	0.00
648.59	24.04	(N/A)	0.00
648.69	30.00	(N/A)	0.00
648.79	36.41	(N/A)	0.00
648.89	43.23	(N/A)	0.00
648.99	50.45	(N/A)	0.00
649.09	58.04	(N/A)	0.00
649.19	65.98	(N/A)	0.00
649.29	74.27	(N/A)	0.00
649.39	82.88	(N/A)	0.00
649.49	91.81	(N/A)	0.00
649.59	99.51	(N/A)	0.00
649.69	102.55	(N/A)	0.00
649.79	105.51	(N/A)	0.00
649.89	108.38	(N/A)	0.00
649.99	111.18	(N/A)	0.00
650.00	111.46	(N/A)	0.00

Contributing Structures

None Contributing
None Contributing
None Contributing
None Contributing
Orifice - Underdrain

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Orifice - Underdrain
Orifice - Underdrain
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Orifice - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - Underdrain

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Orifice - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - Underdrain
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Orifice - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - Underdrain

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain

Basin 11

Subsection: Composite Rating Curve
Label: Outlet#1

Return Event: 100 years
Storm Event:

Composite Outflow Summary

Contributing Structures
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
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Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
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Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain
Orifice - 1 + Orifice - 2 + Orifice - 3 + Riser - 1 + Orifice - Underdrain

Basin 11

Subsection: Elevation-Volume-Flow Table (Pond)
Label: 1

Return Event: 100 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	638.49 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
638.49	0.00	0.000	10.000	0.00	0.00	0.00
638.59	0.00	0.000	10.000	0.00	0.00	0.03
638.69	0.00	0.000	10.000	0.00	0.00	0.07
638.75	0.00	0.000	10.000	0.00	0.00	0.09
638.79	0.00	0.000	10.000	0.00	0.00	0.10
638.89	0.03	0.000	10.000	0.00	0.03	0.16
638.99	0.08	0.000	10.000	0.00	0.08	0.24
639.09	0.11	0.000	10.000	0.00	0.11	0.31
639.19	0.13	0.000	10.000	0.00	0.13	0.37
639.29	0.15	0.000	10.000	0.00	0.15	0.42
639.39	0.17	0.000	10.000	0.00	0.17	0.47
639.49	0.19	0.000	10.000	0.00	0.19	0.52
639.59	0.20	0.000	10.000	0.00	0.20	0.57
639.69	0.21	0.000	10.000	0.00	0.21	0.61
639.79	0.23	0.000	10.000	0.00	0.23	0.66
639.89	0.24	0.000	10.000	0.00	0.24	0.70
639.99	0.25	0.000	10.000	0.00	0.25	0.75
640.09	0.26	0.000	10.000	0.00	0.26	0.79
640.19	0.27	0.000	10.000	0.00	0.27	0.84
640.29	0.28	0.000	10.000	0.00	0.28	0.88
640.39	0.29	0.000	10.000	0.00	0.29	0.92
640.49	0.30	0.000	10.000	0.00	0.30	0.97
640.59	0.31	0.000	10.000	0.00	0.31	1.01
640.69	0.32	0.001	10.000	0.00	0.32	1.05
640.79	0.33	0.001	10.000	0.00	0.33	1.09
640.89	0.34	0.001	10.000	0.00	0.34	1.14
640.99	0.34	0.001	10.000	0.00	0.34	1.18
641.09	0.35	0.001	10.000	0.00	0.35	1.22
641.19	0.36	0.001	10.000	0.00	0.36	1.26

Basin 11

Subsection: Elevation-Volume-Flow Table (Pond) | Return Event: 100 years

Label: 1 | Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
641.29	0.37	0.001	10.000	0.00	0.37	1.30
641.39	0.37	0.001	10.000	0.00	0.37	1.34
641.49	0.38	0.001	10.000	0.00	0.38	1.38
641.59	0.39	0.001	10.000	0.00	0.39	1.42
641.69	0.40	0.001	10.000	0.00	0.40	1.46
641.79	0.40	0.001	10.000	0.00	0.40	1.50
641.89	0.41	0.001	10.000	0.00	0.41	1.54
641.99	0.42	0.001	10.000	0.00	0.42	1.58
642.09	0.42	0.032	14,748.970	0.00	0.42	47.39
642.19	0.43	0.066	14,841.690	0.00	0.43	96.71
642.29	0.44	0.100	14,934.700	0.00	0.44	146.34
642.39	0.44	0.135	15,028.002	0.00	0.44	196.29
642.49	0.45	0.169	15,121.593	0.00	0.45	246.54
642.50	0.45	0.173	15,130.968	0.00	0.45	251.59
642.59	0.46	0.204	15,215.475	0.00	0.46	297.12
642.69	0.48	0.239	15,309.648	0.00	0.48	348.01
642.79	0.50	0.275	15,404.111	0.00	0.50	399.22
642.89	0.51	0.310	15,498.865	0.00	0.51	450.73
642.99	0.52	0.346	15,593.910	0.00	0.52	502.56
643.09	0.53	0.382	15,688.901	0.00	0.53	554.71
643.19	0.54	0.418	15,784.142	0.00	0.54	607.18
643.29	0.55	0.454	15,879.672	0.00	0.55	659.96
643.39	0.56	0.491	15,975.490	0.00	0.56	713.06
643.49	0.56	0.527	16,071.596	0.00	0.56	766.48
643.59	0.57	0.564	16,167.990	0.00	0.57	820.22
643.69	0.58	0.602	16,264.673	0.00	0.58	874.28
643.79	0.59	0.639	16,361.643	0.00	0.59	928.67
643.89	0.60	0.677	16,458.902	0.00	0.60	983.38
643.99	0.60	0.715	16,556.449	0.00	0.60	1,038.41
644.09	0.61	0.753	16,653.961	0.00	0.61	1,093.77
644.19	0.62	0.791	16,751.723	0.00	0.62	1,149.45
644.29	0.63	0.830	16,849.771	0.00	0.63	1,205.46
644.39	0.63	0.869	16,948.106	0.00	0.63	1,261.80
644.49	0.64	0.908	17,046.726	0.00	0.64	1,318.46
644.59	0.65	0.947	17,145.632	0.00	0.65	1,375.46
644.69	0.66	0.986	17,244.825	0.00	0.66	1,432.78
644.79	0.66	1.026	17,344.304	0.00	0.66	1,490.44
644.89	0.67	1.066	17,444.068	0.00	0.67	1,548.43
644.99	0.68	1.106	17,544.119	0.00	0.68	1,606.75
645.00	0.68	1.110	17,554.140	0.00	0.68	1,612.60
645.09	0.70	1.146	17,644.152	0.00	0.70	1,665.41
645.19	0.74	1.187	17,744.435	0.00	0.74	1,724.44
645.29	0.79	1.228	17,845.002	0.00	0.79	1,783.81

Basin 11

Subsection: Elevation-Volume-Flow Table (Pond) | Return Event: 100 years
Label: 1 | Storm Event:

Elevation (ft)	Outflow (ft³/s)	Storage (ac-ft)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
645.39	0.82	1.269	17,945.853	0.00	0.82	1,843.49
645.49	0.85	1.310	18,046.989	0.00	0.85	1,903.50
645.59	0.88	1.352	18,148.408	0.00	0.88	1,963.85
645.69	0.90	1.394	18,250.112	0.00	0.90	2,024.54
645.79	0.92	1.436	18,352.100	0.00	0.92	2,085.57
645.89	0.94	1.478	18,454.372	0.00	0.94	2,146.93
645.99	0.96	1.520	18,556.929	0.00	0.96	2,208.64
646.09	0.98	1.563	18,659.481	0.00	0.98	2,270.68
646.19	1.00	1.606	18,762.283	0.00	1.00	2,333.07
646.29	1.01	1.649	18,865.368	0.00	1.01	2,395.80
646.39	1.03	1.693	18,968.735	0.00	1.03	2,458.87
646.49	1.05	1.736	19,072.384	0.00	1.05	2,522.29
646.59	1.06	1.780	19,176.316	0.00	1.06	2,586.05
646.69	1.08	1.824	19,280.531	0.00	1.08	2,650.16
646.79	1.09	1.869	19,385.027	0.00	1.09	2,714.62
646.89	1.11	1.913	19,489.807	0.00	1.11	2,779.43
646.99	1.12	1.958	19,594.868	0.00	1.12	2,844.58
647.00	1.12	1.963	19,605.390	0.00	1.12	2,851.12
647.09	1.15	2.003	19,699.940	0.00	1.15	2,910.10
647.19	1.20	2.049	19,805.262	0.00	1.20	2,975.99
647.29	1.26	2.094	19,910.865	0.00	1.26	3,042.25
647.39	1.30	2.140	20,016.749	0.00	1.30	3,108.83
647.49	1.33	2.186	20,122.913	0.00	1.33	3,175.76
647.59	1.36	2.233	20,229.359	0.00	1.36	3,243.05
647.69	1.39	2.279	20,336.085	0.00	1.39	3,310.69
647.79	1.42	2.326	20,443.092	0.00	1.42	3,378.68
647.89	1.45	2.373	20,550.379	0.00	1.45	3,447.03
647.99	1.47	2.420	20,657.948	0.00	1.47	3,515.73
648.00	1.47	2.425	20,668.720	0.00	1.47	3,522.62
648.09	2.83	2.468	20,765.538	0.00	2.83	3,586.13
648.19	5.62	2.516	20,873.378	0.00	5.62	3,658.32
648.29	9.27	2.564	20,981.498	0.00	9.27	3,731.73
648.39	13.62	2.612	21,089.897	0.00	13.62	3,806.20
648.49	18.56	2.661	21,198.576	0.00	18.56	3,881.62
648.59	24.04	2.709	21,307.533	0.00	24.04	3,957.94
648.69	30.00	2.758	21,416.770	0.00	30.00	4,035.11
648.79	36.41	2.808	21,526.287	0.00	36.41	4,113.09
648.89	43.23	2.857	21,636.082	0.00	43.23	4,191.85
648.99	50.45	2.907	21,746.157	0.00	50.45	4,271.37
649.09	58.04	2.957	21,856.265	0.00	58.04	4,351.63
649.19	65.98	3.007	21,966.624	0.00	65.98	4,432.62
649.29	74.27	3.058	22,077.260	0.00	74.27	4,514.31
649.39	82.88	3.109	22,188.174	0.00	82.88	4,596.70

Basin 11

Subsection: Elevation-Volume-Flow Table (Pond)
Label: 1

Return Event: 100 years
Storm Event:

Elevation (ft)	Outflow (ft^3/s)	Storage (ac-ft)	Area (ft^2)	Infiltration (ft^3/s)	Flow (Total) (ft^3/s)	2S/t + O (ft^3/s)
649.49	91.81	3.160	22,299.367	0.00	91.81	4,679.77
649.59	99.51	3.211	22,410.837	0.00	99.51	4,761.99
649.69	102.55	3.263	22,522.585	0.00	102.55	4,839.92
649.79	105.51	3.314	22,634.611	0.00	105.51	4,918.14
649.89	108.38	3.367	22,746.915	0.00	108.38	4,996.65
649.99	111.18	3.419	22,859.497	0.00	111.18	5,075.46
650.00	111.46	3.424	22,870.770	0.00	111.46	5,083.35

Basin 11

Subsection: Level Pool Pond Routing Summary
Label: 1 (IN)

Return Event: 100 years
Storm Event:

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	638.49 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	1.000 min

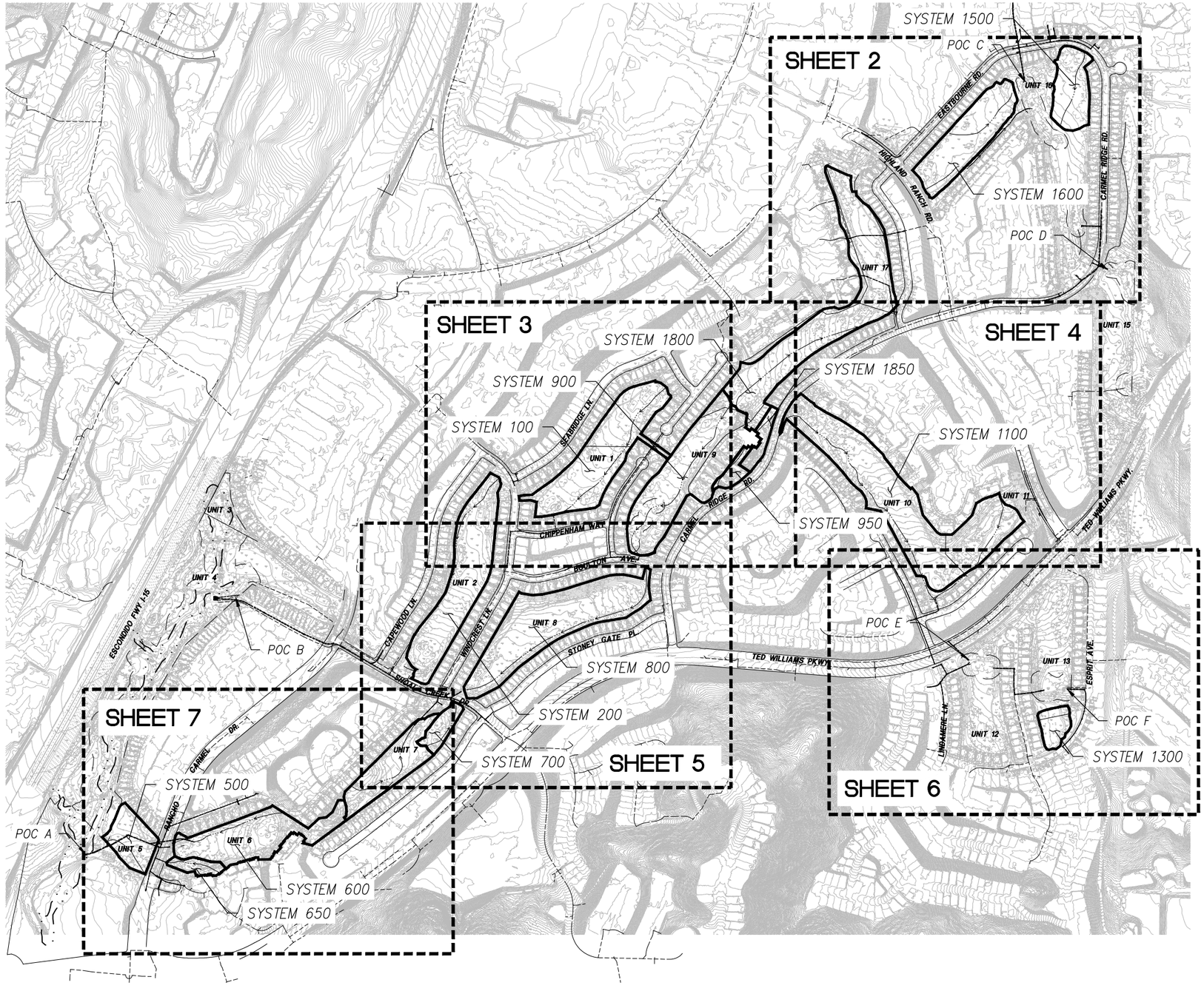
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	39.60 ft³/s	Time to Peak (Flow, In)	250.000 min
Flow (Peak Outlet)	1.90 ft³/s	Time to Peak (Flow, Outlet)	361.000 min

Elevation (Water Surface, Peak)	648.03 ft
Volume (Peak)	2.438 ac-ft

Mass Balance (ac-ft)	
Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	2.855 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	2.855 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

APPENDIX 6

Exhibits



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		DRAINAGE MAP EXISTING CONDITIONS EXHIBIT A (INDEX SHEET 1 OF 7)	

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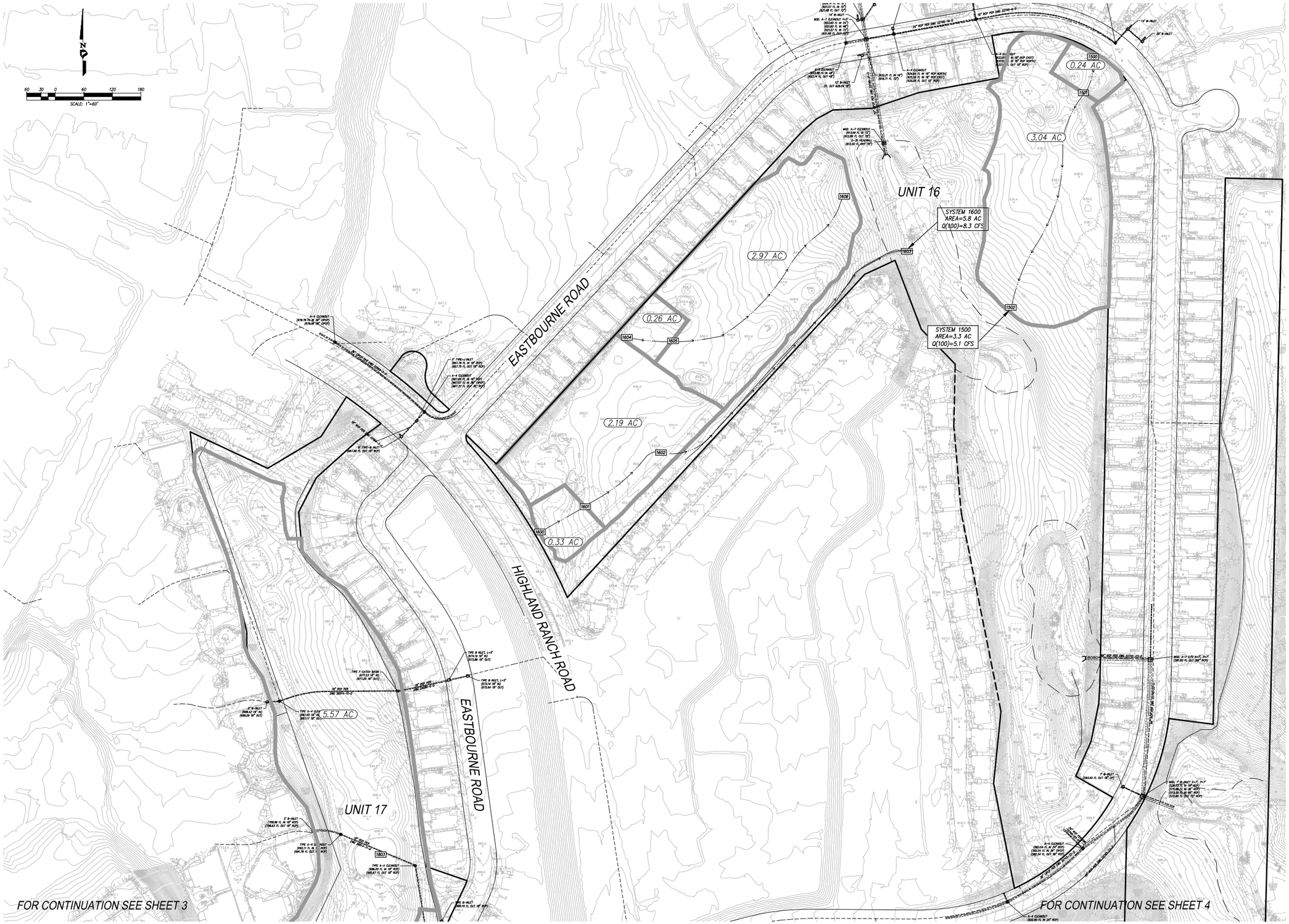

LEGEND:

PROJECT BOUNDARY	
DRAINAGE SUB-AREA	(X.XX AC) AREA FROM UPSTREAM TO DOWNSTREAM NODE
FLOW DIRECTION	XXX HYDROLOGY NODE

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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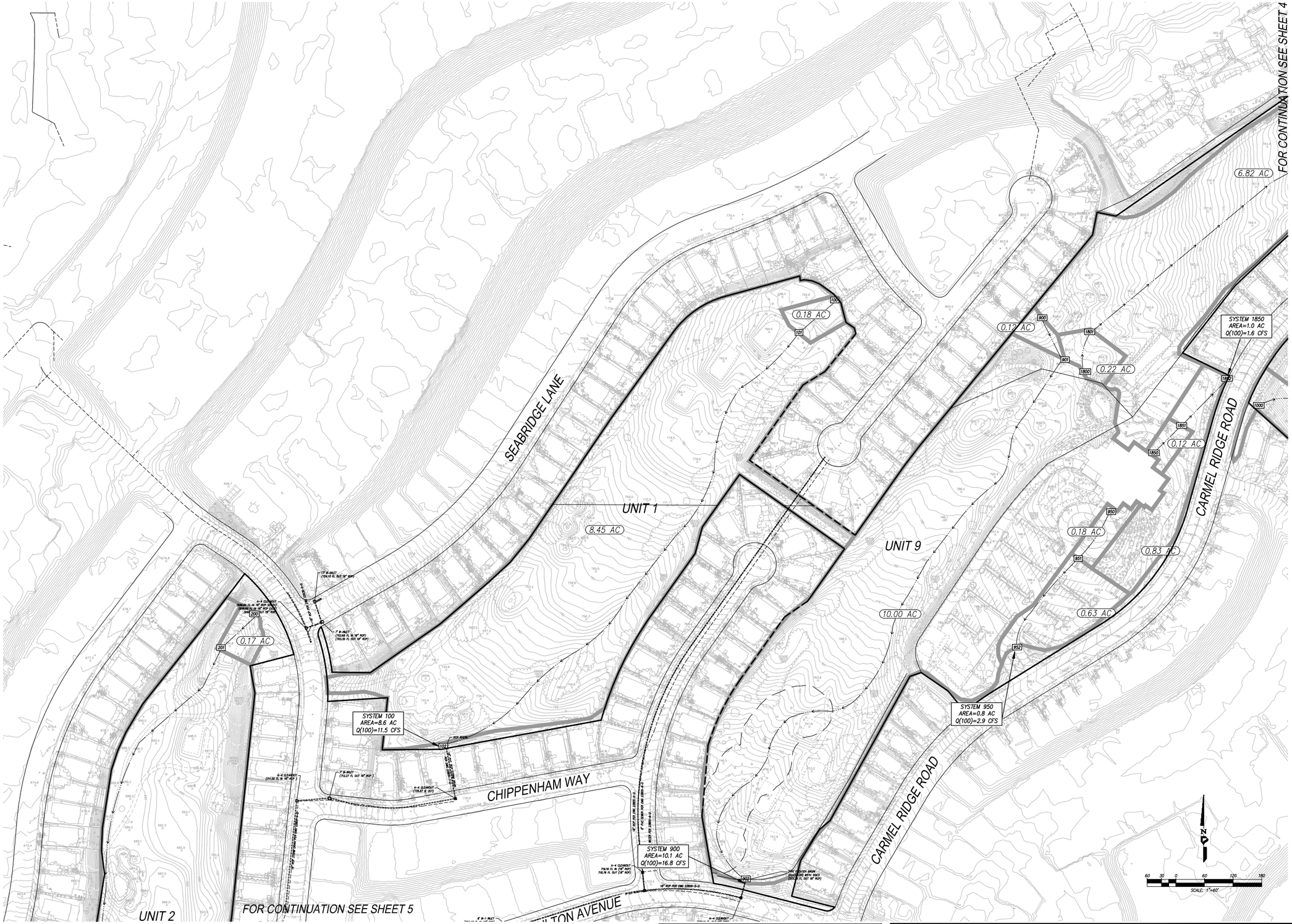
THE TRAILS AT CMR

DRAINAGE MAP
EXISTING CONDITIONS
EXHIBIT A (SHEET 2 OF 7)



LEGEND:

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DRAINAGE SUB-AREA	(XXX) HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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DRAINAGE MAP
EXISTING CONDITIONS
EXHIBIT A (SHEET 3 OF 7)

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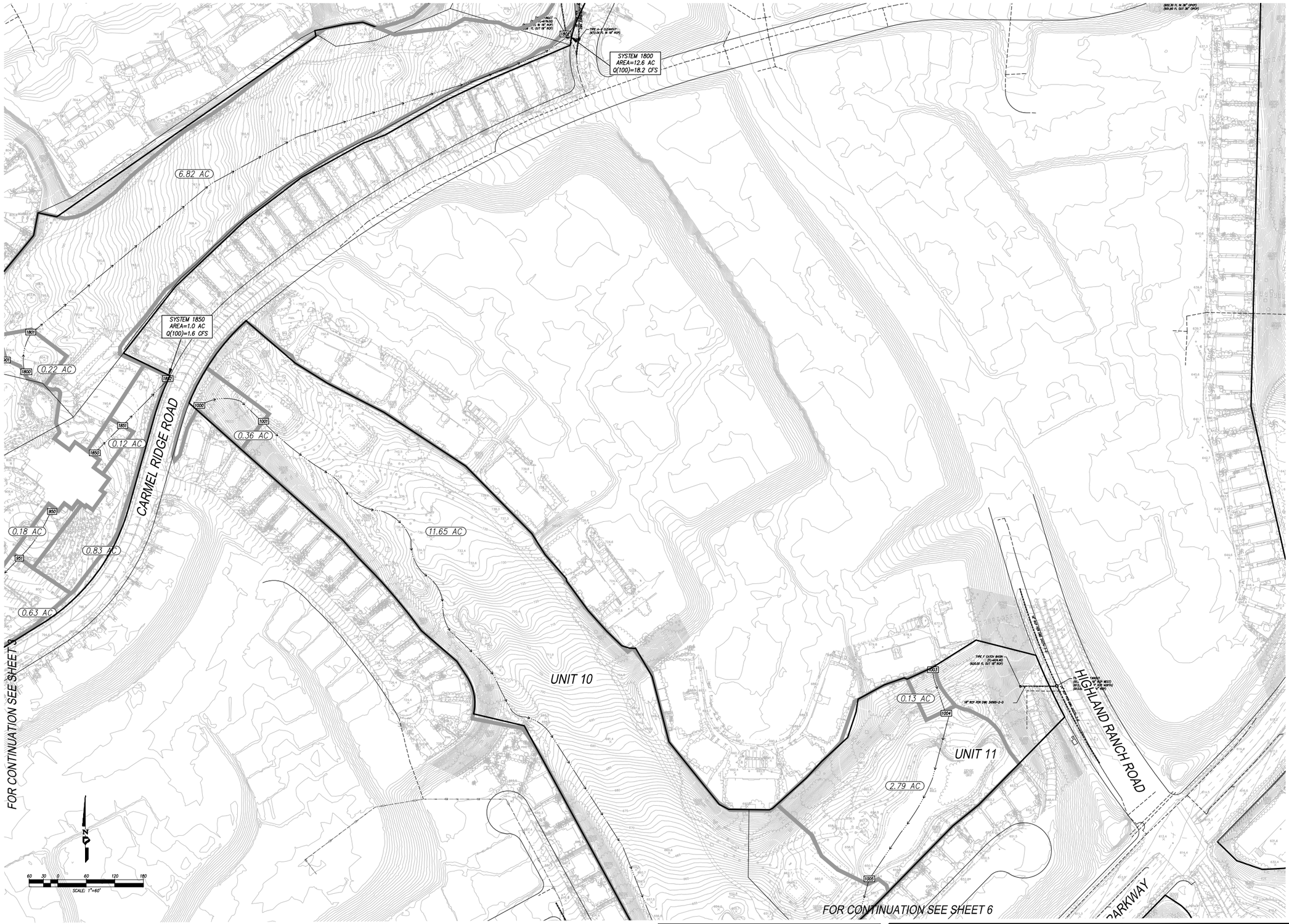

LEGEND:

PROJECT BOUNDARY	
DRAINAGE SUB-AREA	(X.XX AC) AREA FROM UPSTREAM TO DOWNSTREAM NODE
FLOW DIRECTION	[XXX] HYDROLOGY NODE

SCALE: 1"=60'

JOB #: 4394.00

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THE TRAILS AT CMR

DRAINAGE MAP
EXISTING CONDITIONS
EXHIBIT A (SHEET 4 OF 7)

LEGEND:

PROJECT BOUNDARY	X.XX AC — AREA FROM UPSTREAM TO DOWNSTREAM NODE
DRAINAGE SUB-AREA	XXX — HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

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DRAINAGE MAP
EXISTING CONDITIONS
EXHIBIT A (SHEET 5 OF 7)

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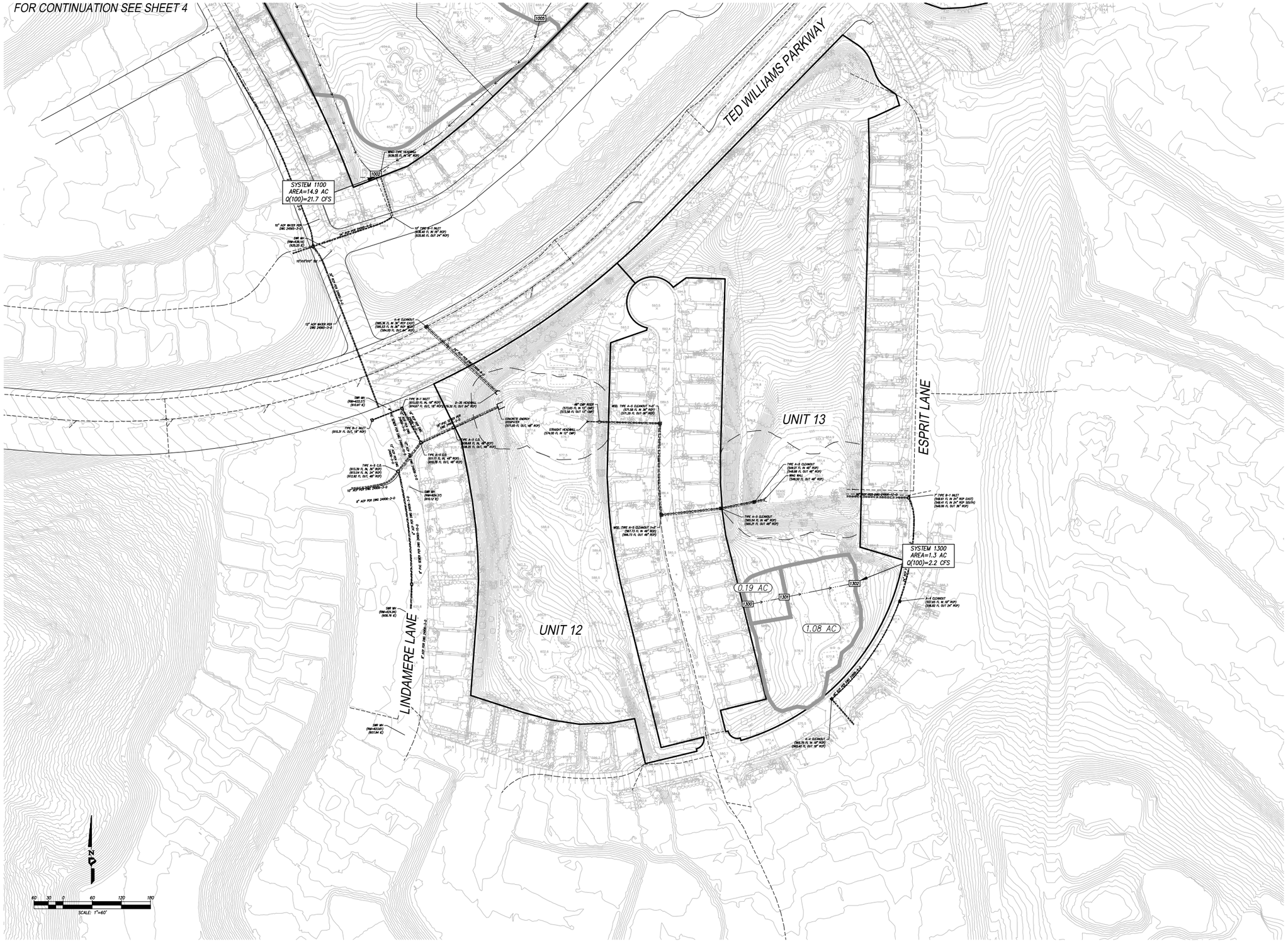

LEGEND:

PROJECT BOUNDARY	X.XX AC — AREA FROM UPSTREAM TO DOWNSTREAM NODE
DRAINAGE SUB-AREA	XXX — HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

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DRAINAGE MAP
EXISTING CONDITIONS
EXHIBIT A (SHEET 6 OF 7)

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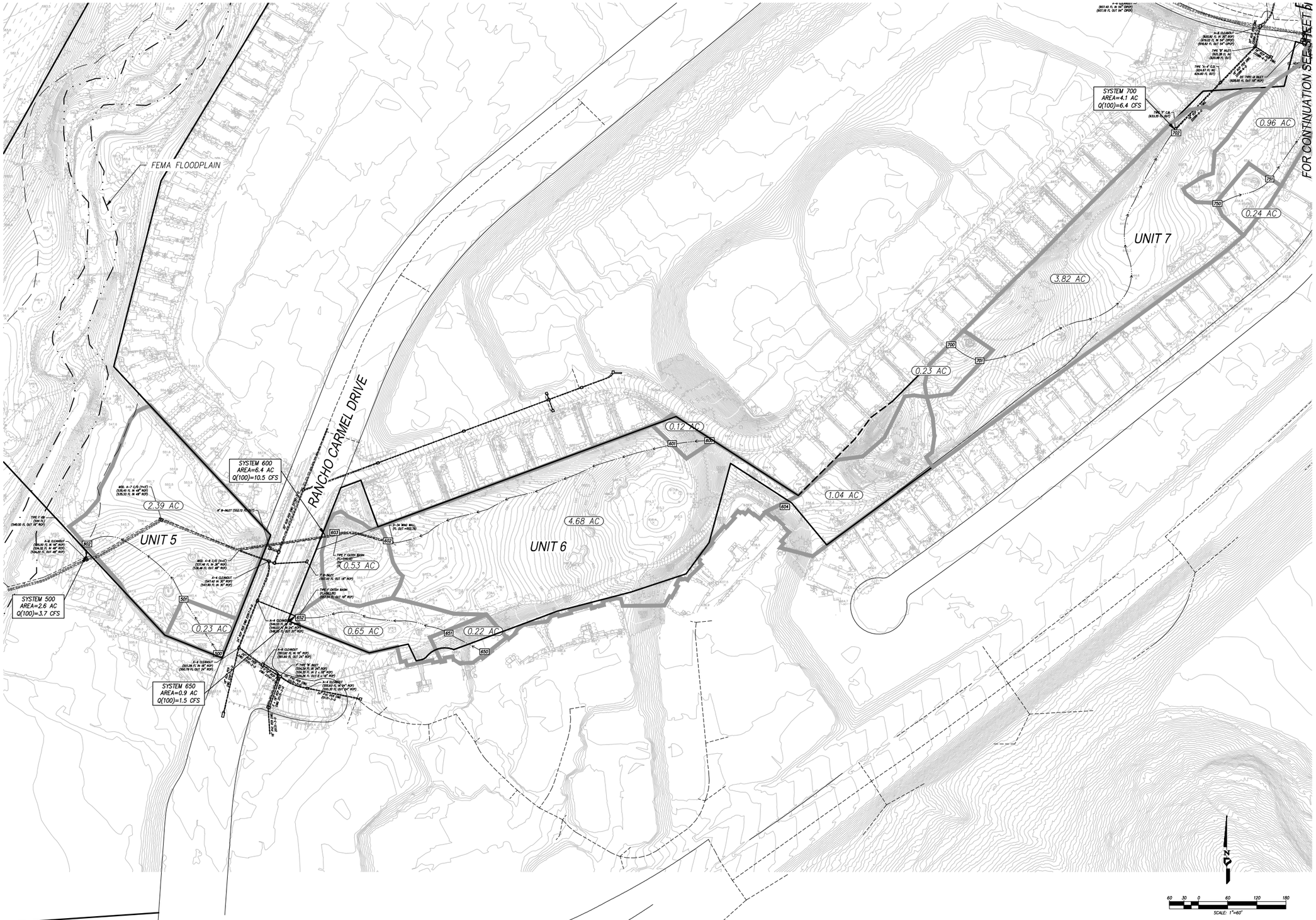

LEGEND:

- PROJECT BOUNDARY
- DRAINAGE SUB-AREA
- FLOW DIRECTION
- (X.XX AC) AREA FROM UPSTREAM TO DOWNSTREAM NODE
- (XXX) HYDROLOGY NODE

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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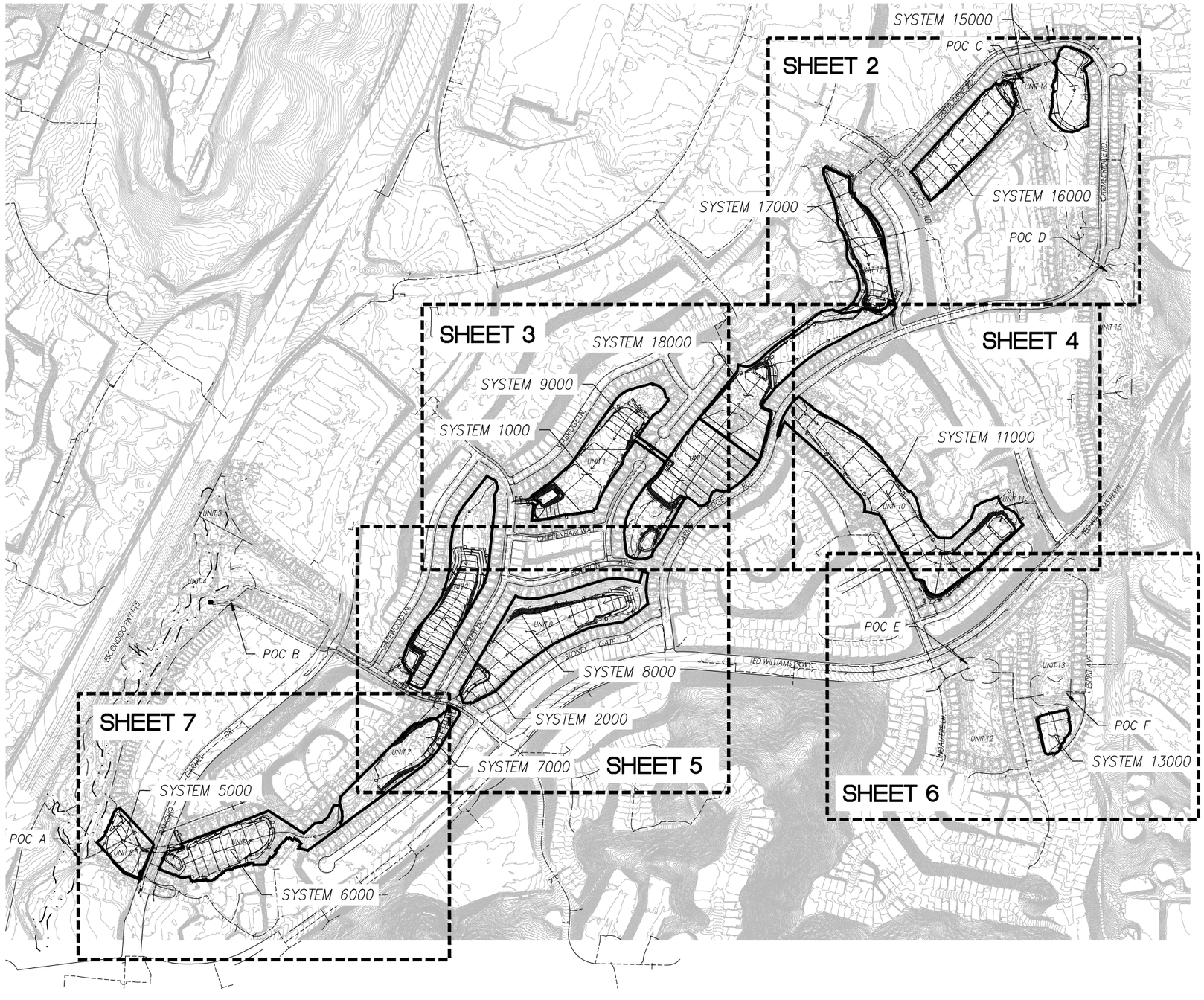
THE TRAILS AT CMR

DRAINAGE MAP
EXISTING CONDITIONS
EXHIBIT A (SHEET 7 OF 7)



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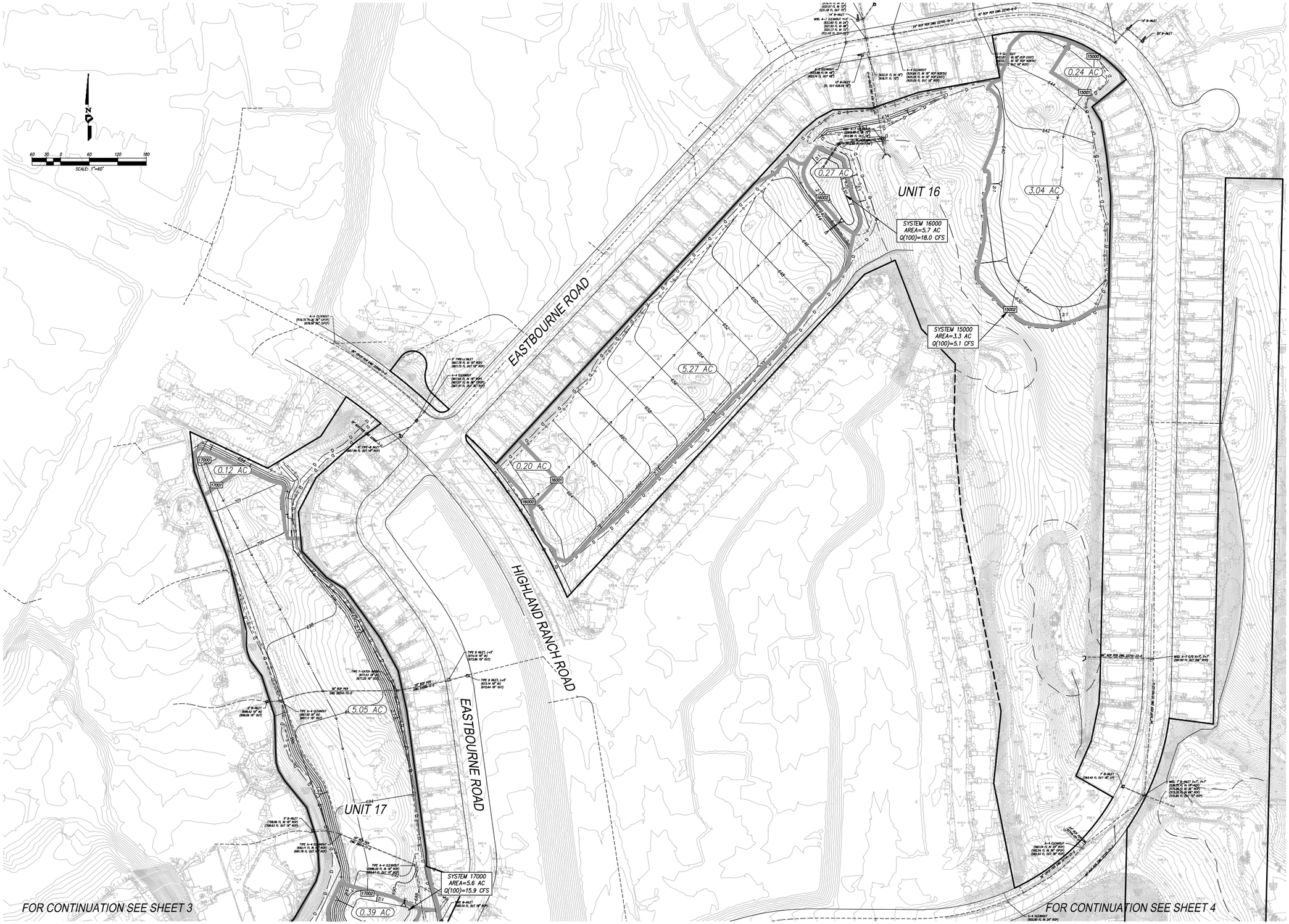

LEGEND:

	PROJECT BOUNDARY	X.XX AC	AREA FROM UPSTREAM TO DOWNSTREAM NODE
	DRAINAGE SUB-AREA	XXX	HYDROLOGY NODE
	FLOW DIRECTION		

SCALE: 1"=60'

JOB # 4394.00

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THE TRAILS AT CMR

DRAINAGE MAP
PROPOSED CONDITIONS
EXHIBIT B (SHEET 2 OF 7)

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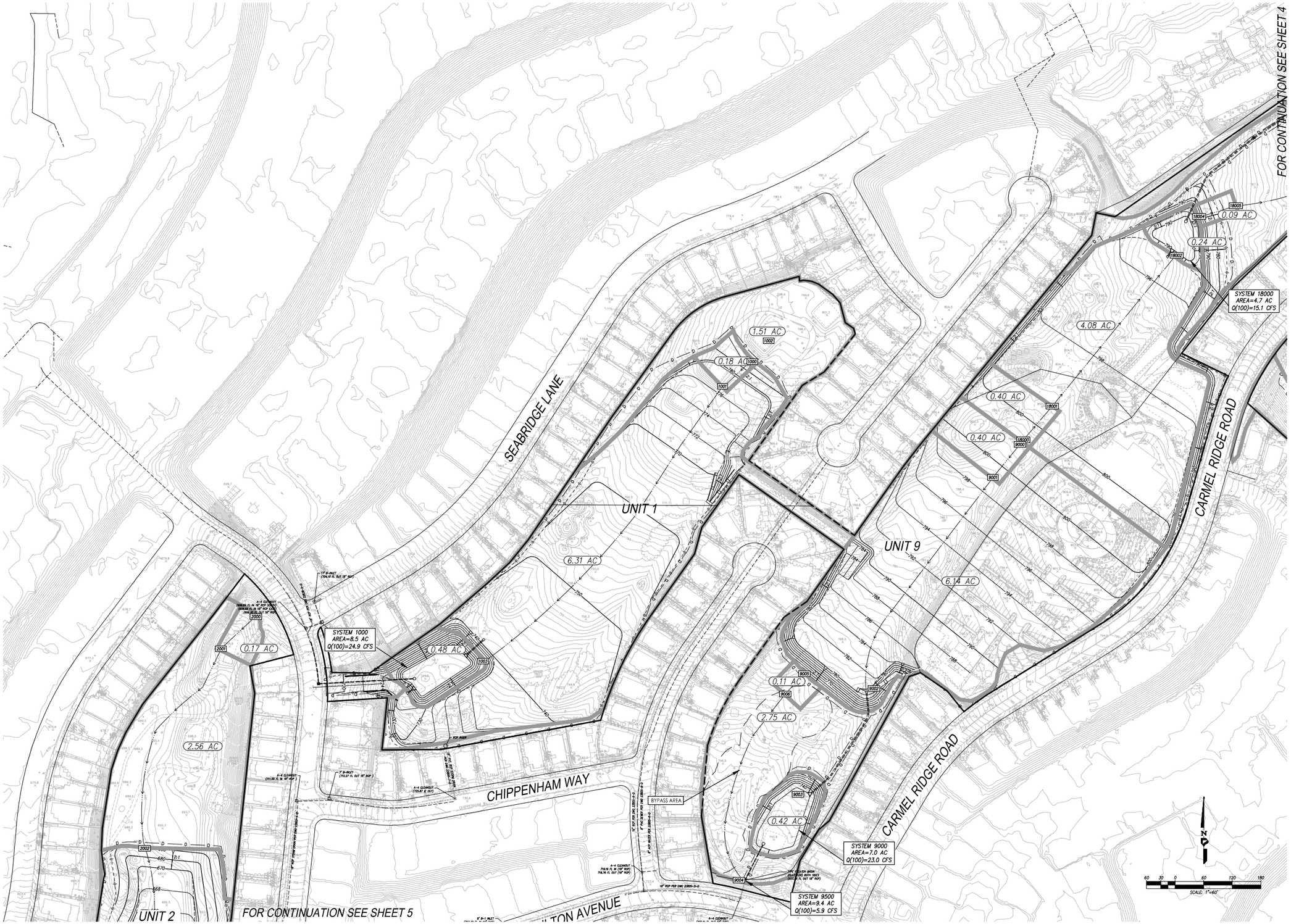

LEGEND:

PROJECT BOUNDARY	X.XX AC — AREA FROM UPSTREAM TO DOWNSTREAM NODE
DRAINAGE SUB-AREA	XXX — HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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THE TRAILS AT CMR

DRAINAGE MAP
PROPOSED CONDITIONS
EXHIBIT B (SHEET 3 OF 7)

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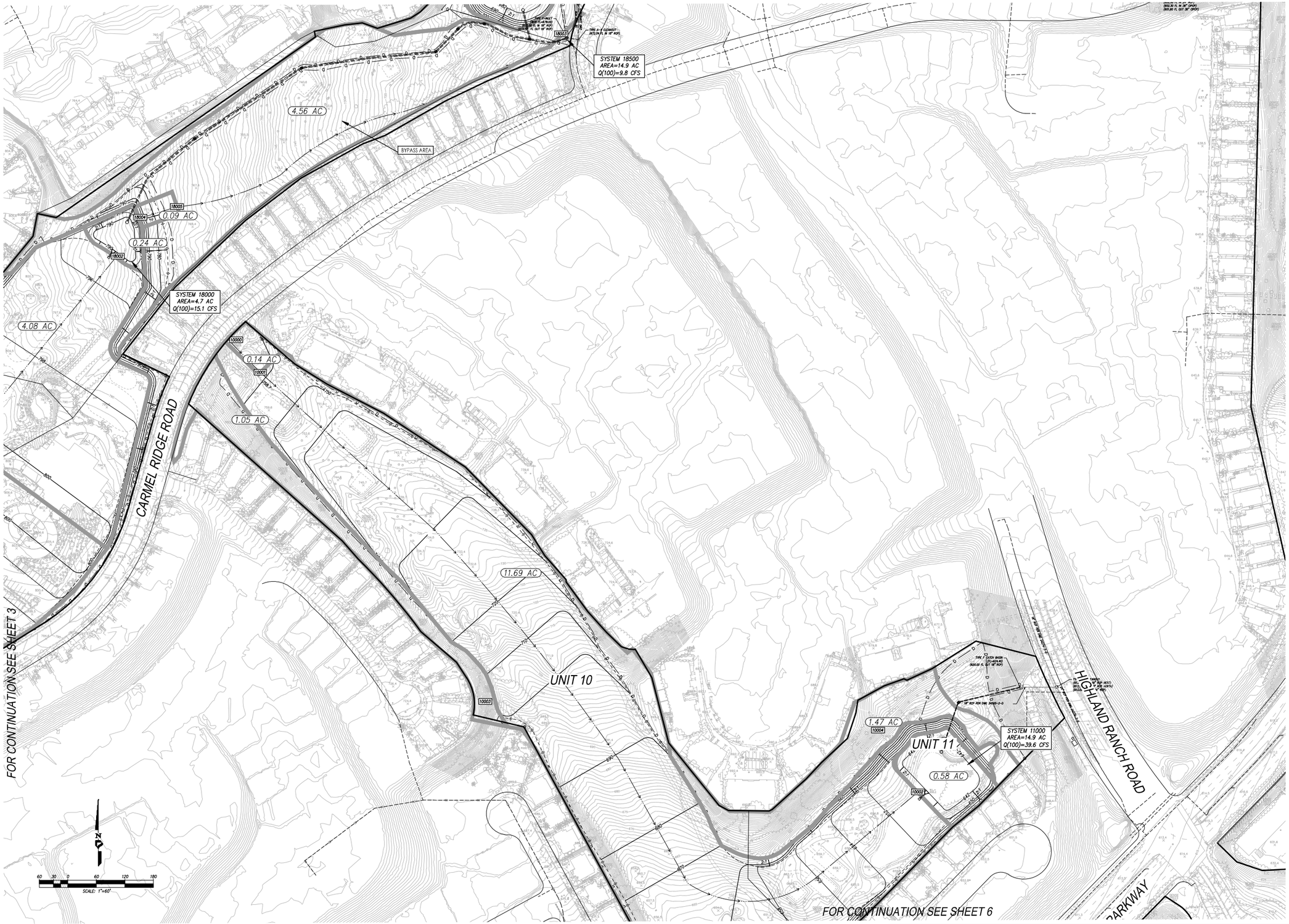

LEGEND:

PROJECT BOUNDARY	X.XX AC — AREA FROM UPSTREAM TO DOWNSTREAM NODE
DRAINAGE SUB-AREA	XXX — HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

PREPARED BY:

PROJECT DESIGN CONSULTANTS
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701 B Street, Suite 800
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CITY OF SAN DIEGO

THE TRAILS AT CMR

DRAINAGE MAP
PROPOSED CONDITIONS
EXHIBIT B (SHEET 4 OF 7)

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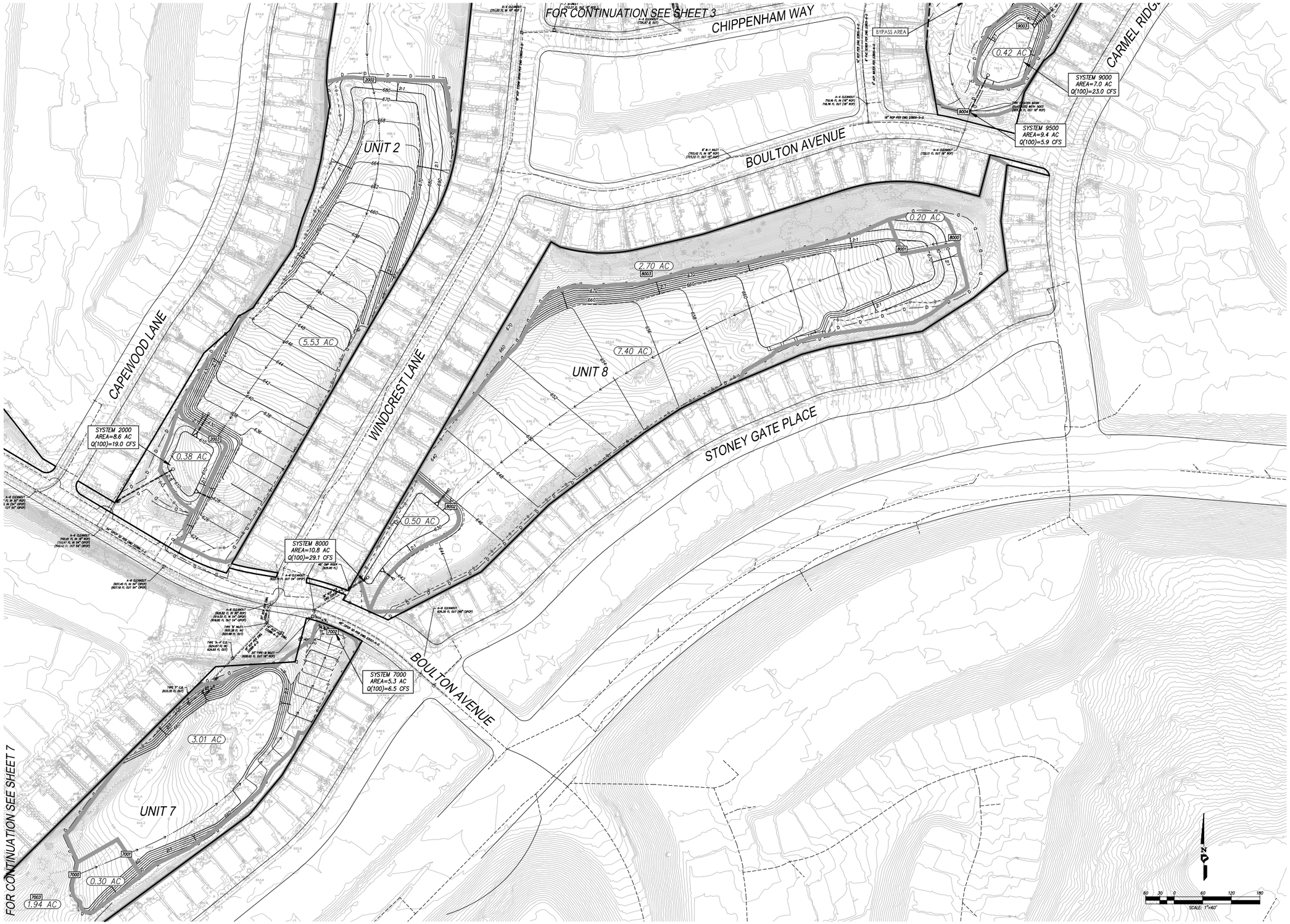

LEGEND:

PROJECT BOUNDARY	X.XX AC — AREA FROM UPSTREAM TO DOWNSTREAM NODE
DRAINAGE SUB-AREA	XXX — HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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THE TRAILS AT CMR

DRAINAGE MAP
PROPOSED CONDITIONS
EXHIBIT B (SHEET 5 OF 7)

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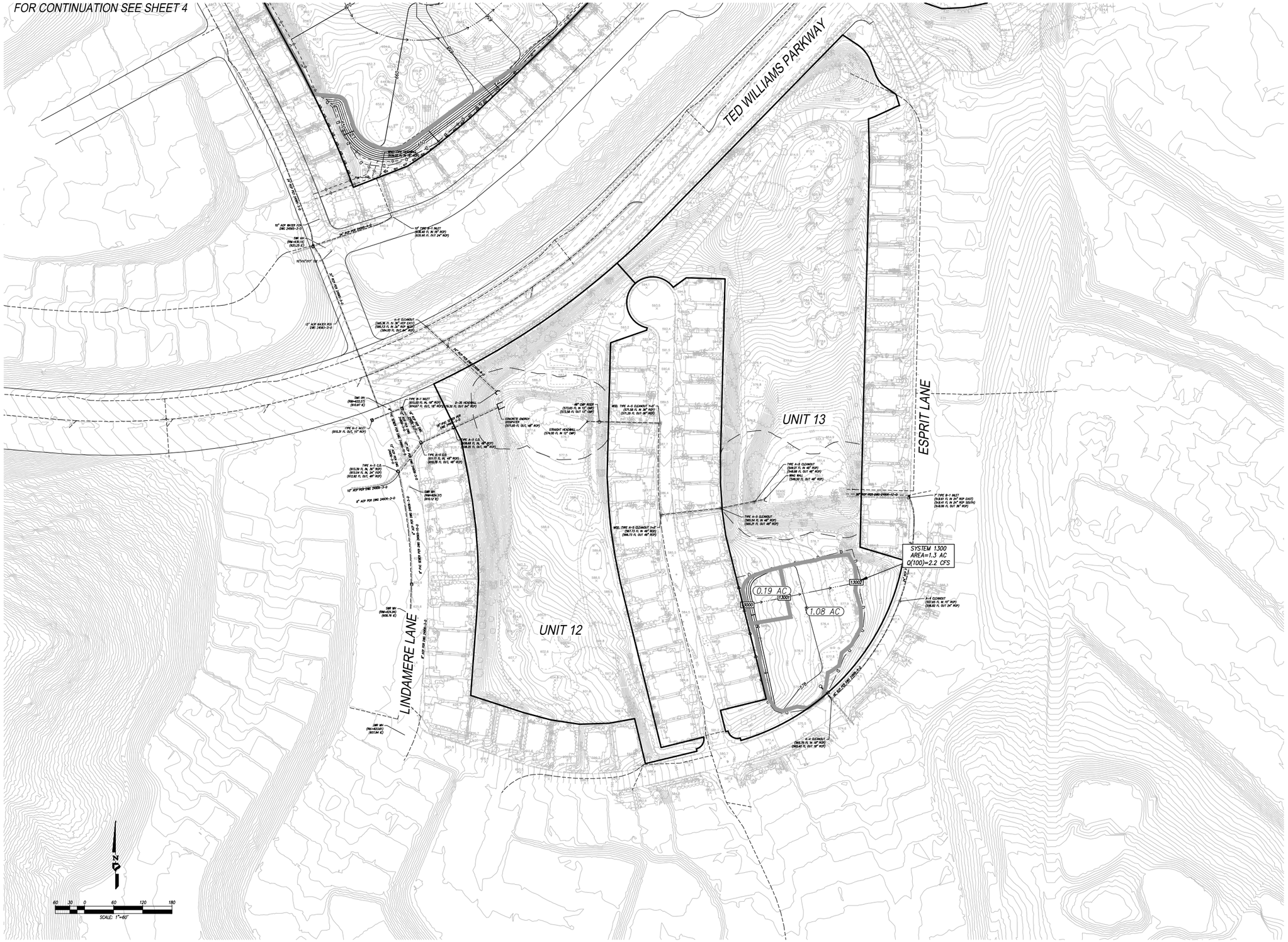

LEGEND:

PROJECT BOUNDARY	(X.XX AC) AREA FROM UPSTREAM TO DOWNSTREAM NODE
DRAINAGE SUB-AREA	(XXX) HYDROLOGY NODE
FLOW DIRECTION	

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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THE TRAILS AT CMR

DRAINAGE MAP
PROPOSED CONDITIONS
EXHIBIT B (SHEET 6 OF 7)

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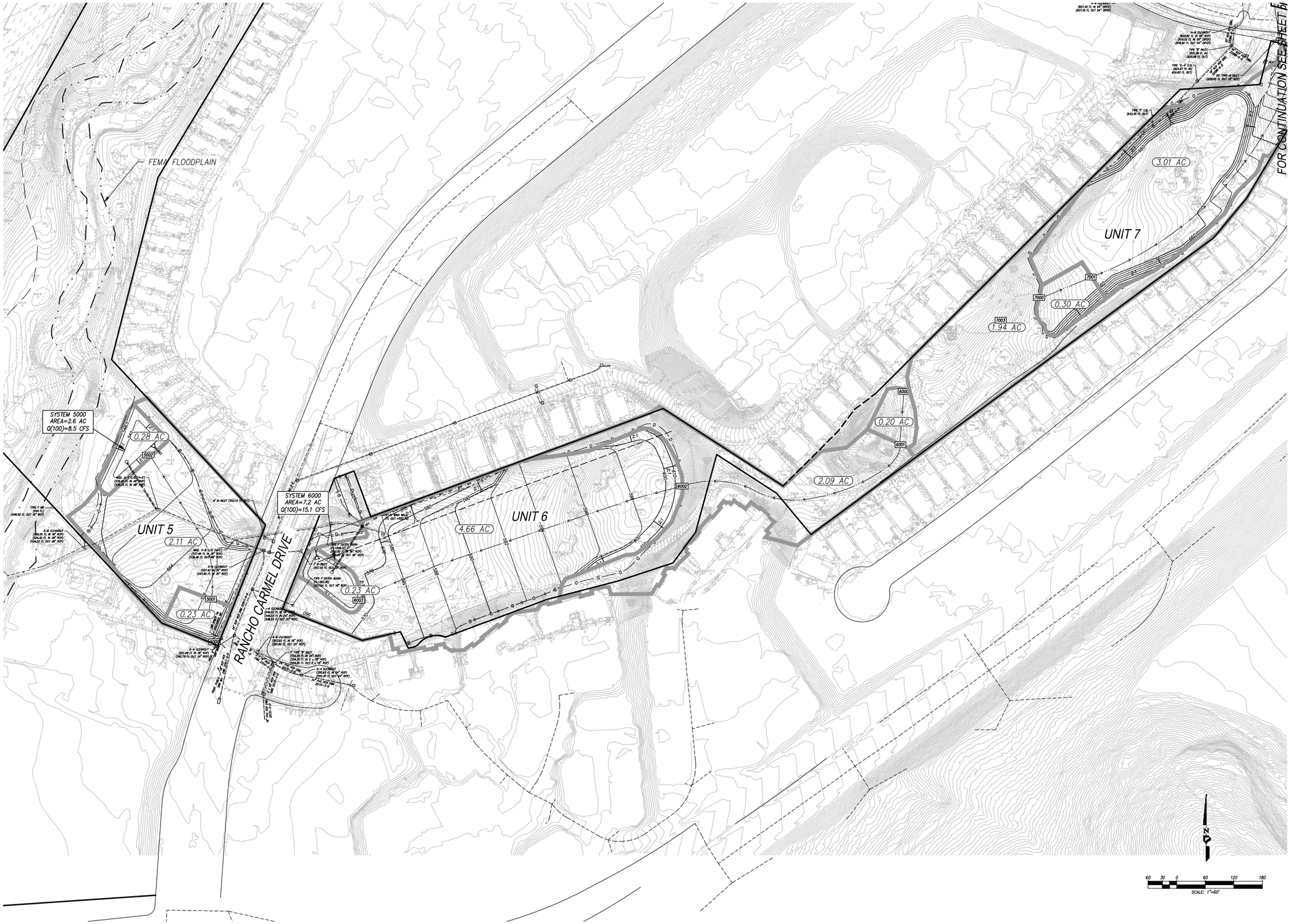

LEGEND:

PROJECT BOUNDARY	
DRAINAGE SUB-AREA	X.XX AC — AREA FROM UPSTREAM TO DOWNSTREAM NODE
FLOW DIRECTION	XXX — HYDROLOGY NODE

SCALE: 1"=60'

JOB #: 4394.00

CREATED: 08/14/19

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THE TRAILS AT CMR

DRAINAGE MAP
PROPOSED CONDITIONS
EXHIBIT B (SHEET 7 OF 7)

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