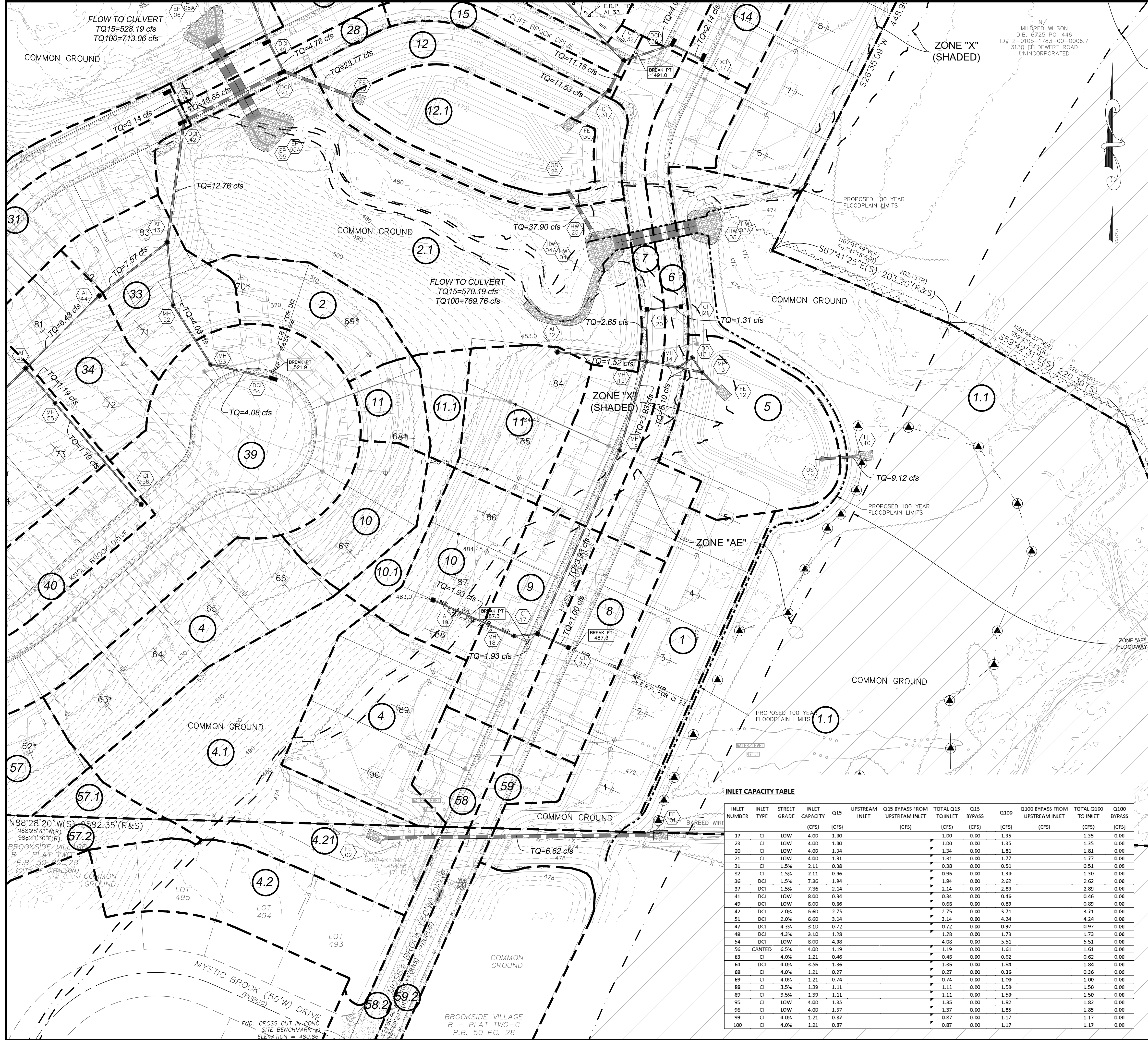
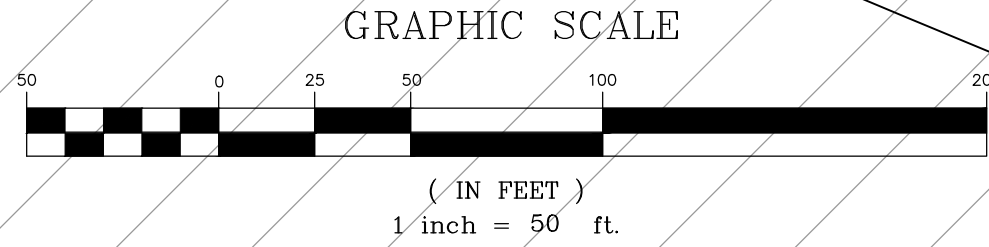


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ISSUE	REMARKS/DATE
1	2020-12-31 INITIAL SUBMITTAL
2	2021-02-23 CITY COMMENTS
3	2021-04-13 CITY COMMENTS
4	2021-05-26 CITY COMMENTS
5	2021-06-15 FOR APPROVAL



Drainage Area	Total Area (AC)	Impervious %	P.I. Factor	Total Q15	Total Q100	Drains to inlet #
1	0.68	45%	2.48	1.70	2.36	Sheet Flow to Peruque Creek
1.1	8.22	5%	1.70	13.98	19.43	Sheet Flow to Peruque Creek
2	0.31	45%	2.48	0.77	1.07	BOX 04/04A
2.1	1.96	5%	1.70	3.33	4.62	BOX 04/04A
3	1.44	45%	2.48	3.58	4.97	BOX 06/06A
3.1	6.72	5%	1.70	11.43	15.89	BOX 06/06A
3.2	198.27	45%	2.48	491.72	683.49	BOX 06/06A
4	1.24	45%	2.48	3.07	4.26	FE 02
4.1	0.86	5%	1.70	1.46	2.03	FE 02
4.2	0.62	45%	2.48	1.54	2.13	FE 02
4.2.1	0.31	5%	1.70	0.53	0.74	FE 02
5	0.60	5%	1.70	1.02	1.42	OS 11
6	0.53	45%	2.48	1.31	1.83	CI 21
7	0.54	45%	2.48	1.34	1.86	CI 20
8	0.41	45%	2.48	1.00	1.40	CI 23
9	0.41	45%	2.48	1.00	1.40	CI 17
10	0.70	45%	2.48	1.74	2.42	AI 19
10.1	0.11	5%	1.70	0.19	0.26	AI 19
11	0.53	45%	2.48	1.32	1.84	AI 22
11.1	0.12	5%	1.70	0.20	0.27	AI 22
12	0.51	5%	1.70	0.86	1.20	OS 26
12.1	0.49	100%	3.54	1.74	2.42	OS 26
13	0.78	45%	2.48	1.94	2.69	DCI 36
14	0.86	45%	2.48	2.14	2.98	DCI 37
15	0.15	45%	2.48	0.38	0.52	CI 31
16	0.39	45%	2.48	0.96	1.33	CI 32
17	0.54	45%	2.48	1.34	1.86	AI 33
17.2	0.22	45%	2.48	0.54	0.75	AI 33
18	0.22	45%	2.48	0.55	0.77	AI 34
18.2	0.10	45%	2.48	0.25	0.35	AI 34
19	0.72	45%	2.48	1.79	2.49	AI 35
19.2	0.66	45%	2.48	1.64	2.28	AI 35
21	0.18	45%	2.48	0.46	0.64	CI 63
22	0.55	45%	2.48	1.36	1.89	DCI 64
23	0.11	45%	2.48	0.27	0.38	CI 68
24	0.30	45%	2.48	0.74	1.03	CI 69
25	2.15	45%	2.48	5.34	7.43	Sheet Flow to Peruque Creek
25.1	0.24	5%	1.70	0.41	0.56	Sheet Flow to Peruque Creek
26	0.21	45%	2.48	0.53	0.73	AI 66
26.2	1.33	45%	2.48	3.29	4.57	AI 66
27	0.48	45%	2.48	1.18	1.65	AI 67
27.2	1.47	45%	2.48	3.66	5.08	AI 67
28	0.14	45%	2.48	0.34	0.47	DCI 41
29	0.27	45%	2.48	0.66	0.92	DCI 49
30	0.62	45%	2.48	1.55	2.15	AI 50
30.2	1.03	45%	2.48	2.57	3.57	AI 50
31	1.11	45%	2.48	2.75	3.82	DCI 42
32	1.27	45%	2.48	3.14	4.36	DCI 51
33	0.42	45%	2.48	1.05	1.46	AI 43
34	0.45	45%	2.48	1.11	1.55	AI 44
35	0.85	45%	2.48	2.11	2.93	AI 45
36	0.46	45%	2.48	1.13	1.57	AI 46
37	0.29	45%	2.48	0.72	1.00	DCI 47
38	0.52	45%	2.48	1.28	1.79	DCI 48
39	1.64	45%	2.48	4.08	5.67	DCI 54
40	0.48	45%	2.48	1.19	1.65	CI 56
41	1.86	45%	2.48	4.62	6.43	OS 81
41.1	1.36	5%	1.70	2.31	3.21	OS 81
41.2	0.86	100%	3.54	3.03	4.21	OS 81
42	0.15	45%	2.48	0.37	0.51	AI 87
43	0.45	45%	2.48	1.11	1.55	CI 88
44	0.45	45%	2.48	1.11	1.55	CI 89
45	0.55	45%	2.48	1.36	1.89	AI 90
46	0.54	45%	2.48	1.35	1.88	CI 95
47	0.55	45%	2.48	1.37	1.90	CI 96
48	0.68	45%	2.48	1.67	2.33	AI 97
49	0.35	45%	2.48	0.87	1.20	CI 99
50	0.35	45%	2.48	0.87	1.20	CI 100
51	0.57	45%	2.48	1.42	1.97	AI 101
55	0.54	45%	2.48	1.34	1.87	Onsite to Brookside Village B
55.2	1.06	Existing	1.87	1.99	2.76	Existing Offsite Area
55.3	0.87	Existing	2.75	2.39	3.32	Existing Offsite Area
56	0.18	45%	2.48	0.45	0.62	Onsite to Brookside Village B
56.2	0.49	Existing	2.85	1.38	1.92	Existing Offsite Area
57	0.28	45%	2.48	0.69	0.96	Onsite to Brookside Village B
57.1	0.08	5%	1.70	0.14	0.19	Onsite to Brookside Village B
57.2	0.20	Existing	2.85	0.58	0.81	Existing Offsite Area
58	0.18	45%	2.48	0.45	0.63	Onsite to Brookside Village B
58.2	0.76	Existing	2.85	2.18	3.03	Existing Offsite Area
59	0.12	45%	2.48	0.31	0.43	Onsite to Brookside Village B
59.2	0.65	Existing	2.85	1.85	2.57	Existing Offsite Area

INLET CAPACITY TABLE									
INLET NUMBER	INLET TYPE	STREET GRADE	INLET CAPACITY (CFS)	Q15	UPSTREAM INLET	Q15 BYPASS FROM UPSTREAM INLET (CFS)	TOTAL Q15 TO INLET (CFS)	Q15 BYPASS	Q100
17	CI	LOW	4.00	1.00			1.00	0.00	1.35
20	CI	LOW	4.00	1.00			1.00	0.00	1.35
23	CI	LOW	4.00	1.34			1.34	0.00	1.81
21	CI	LOW	4.00	1.31			1.31	0.00	1.77
31	CI	1.5%	2.11	0.38			0.38	0.00	0.51
32	CI	1.5%	2.11	0.96			0.96	0.00	1.30
36	DCI	1.5%	7.36	1.94			1.94	0.00	2.62
37	DCI	1.5%	7.36	2.14			2.14	0.00	2.89
41	DCI	LOW	8.00	0.34			0.34	0.00	0.46
49	DCI	LOW	8.00	0.66			0.66	0.00	0.89
42	DCI	2.0%	6.60	2.75			2.75	0.00	3.71
51	DCI	2.0%	6.60	3.14			3.14	0.00	4.24
47	DCI	4.3%	3.10	0.72			0.72	0.00	0.97
48	DCI	4.3%	3.10	1.28			1.28	0.00	1.73
54	DCI	LOW	8.00	4.08			4.08	0.00	5.51
56	CANTED	6.5%	0.00	0.19			0.19	0.00	0.26
63	CI	4.0%	1.21	0.46			0.46	0.00	0.62
64	DCI	4.0%	3.56	1.36			1.36	0.00	1.84
68	CI	4.0%	1.21	0.27			0.27	0.00	0.36
69	CI	4.0%	1.21	0.74			0.74	0.00	1.00
88	CI	3.5%	1.39	1.11			1.11	0.00	1.50
90	CI	3.5%	1.39	1.11			1.11	0.00	1.50
95	CI	LOW	4.00	1.35			1.35	0.00	1.82
96	CI	LOW	4.00	1.37			1.37	0.00	1.85
99	CI	4.0%	1.21	0.87			0.87	0.00	1.17
100	CI	4.0%	1.21	0.87			0.87	0.00	1.17

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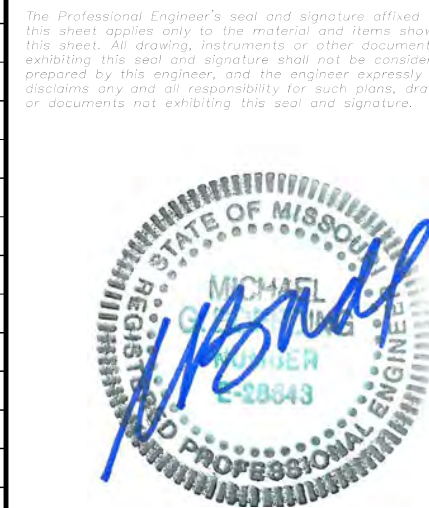
PROJECT TITLE

BROOKSIDE ADDITION

OFALLON, MISSOURI

THE STERLING CO. ENGINEERS & SURVEYORS

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Corporate Certificate of Authority #001348



Date: 06-15-2021
Michael G. Boering, PE
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DRAINAGE AREA MAP

P+Z No. 20-001538
City No. 20-009251
Date: June 15, 2021
Job No. 19-10-344

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