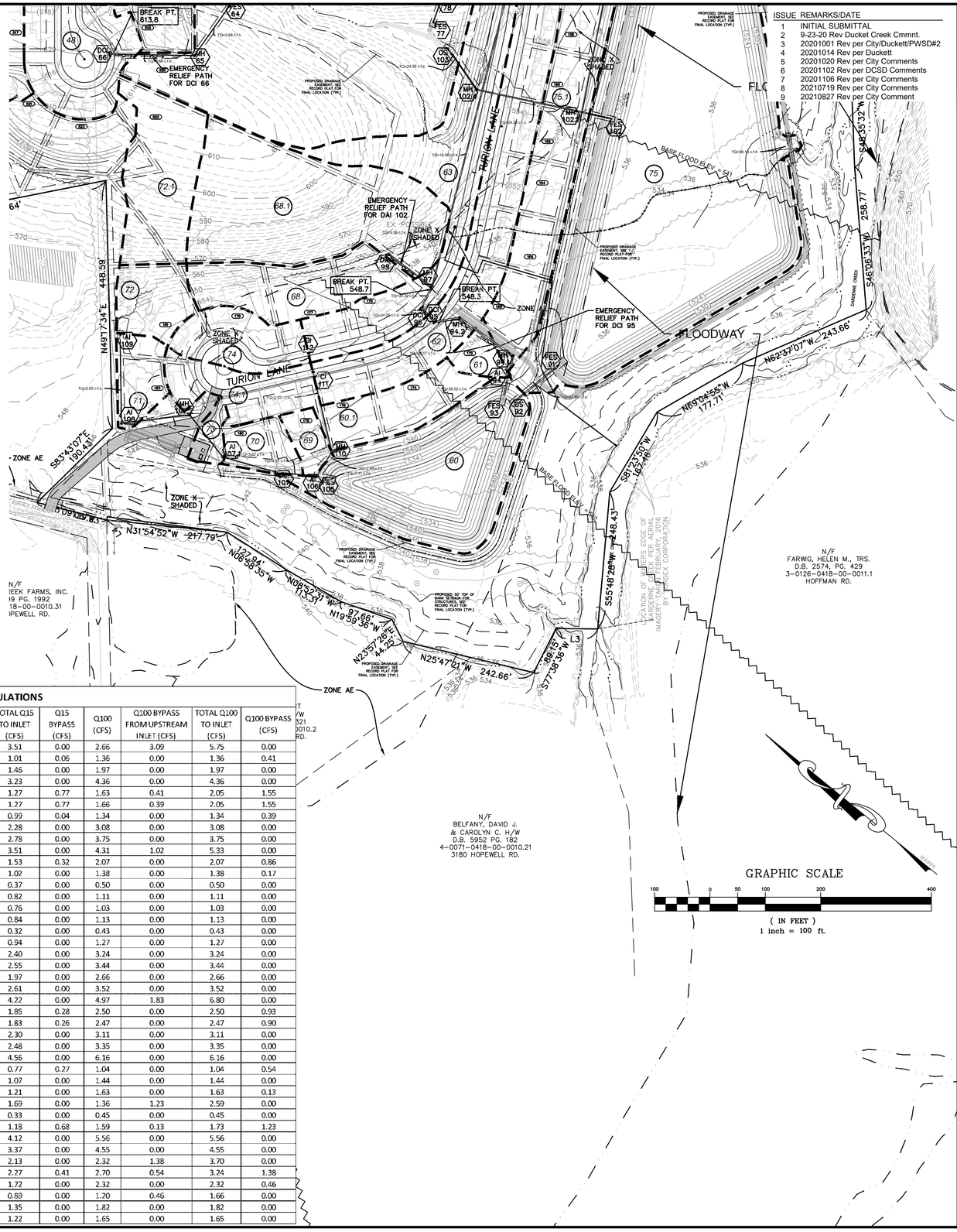
Drainage Area	Comments	Total Area (AC)	Impervious %	P.I. Factor	Total Q15	Total Q100
1		0.43	5%	1.70	0.74	1.03
1.1		0.31	50%	2.58	0.81	1.09
2		0.76	50%	2.58	1.97	2.65
3		0.15	50%	2.58	0.39	0.53
3.1		0.21	50%	2.58	0.55	0.74
4		0.29	50%	2.58	0.75	1.01
4.1		0.24	50%	2.58	0.61	0.82
5		0.39	50%	2.58	1.01	1.36
6		0.38	50%	2.58	0.99	1.33
7		1.25	50%	2.58	3.23	4.37
8		0.56	50%	2.58	1.46	1.97
9		0.53	50%	2.58	1.38	1.86
10		0.50	50%	2.58	1.29	1.75
11		0.47	50%	2.58	1.21	1.64
12		0.48	50%	2.58	1.23	1.67
13		0.18	50%	2.58	0.46	0.62
14		0.33	50%	2.58	0.85	1.14
14.1		0.39	50%	2.58	1.01	1.37
15		1.17	5%	1.70	1.99	2.68
15.1		0.59	45%	2.48	1.47	1.98
15.2		0.33	45%	2.48	0.82	1.11
16		0.30	45%	2.48	0.74	1.00
17		0.31	45%	2.48	0.77	1.04
18		0.69	50%	2.58	1.78	2.40
19		0.88	50%	2.58	2.28	3.07
20		1.08	50%	2.58	2.78	3.75
21		0.89	50%	2.58	2.29	3.09
22		0.43	50%	2.58	1.11	1.50
22.1		0.47	50%	2.58	1.21	1.64
23		0.35	50%	2.58	0.90	1.22
24		0.13	45%	2.48	0.32	0.43
25		0.34	45%	2.48	0.84	1.14
26		0.17	45%	2.48	0.43	0.59
27		0.62	45%	2.48	1.53	2.07
28		0.41	45%	2.48	1.02	1.37
29		1.29	45%	2.48	3.19	4.30
30		0.70	45%	2.48	1.75	2.36
31		0.83	45%	2.48	2.06	2.78
32		0.89	45%	2.48	2.20	2.97
33		0.15	45%	2.48	0.37	0.51
34		0.38	45%	2.48	0.94	1.26
35		0.33	45%	2.48	0.82	1.11
36		0.31	45%	2.48	0.76	1.03
37		0.97	45%	2.48	2.40	3.24
38		1.03	45%	2.48	2.55	3.45
39		0.79	45%	2.48	1.97	2.66
40		1.05	45%	2.48	2.61	3.52
41		1.64	5%	1.70	2.79	3.76
41.1		3.00	45%	2.48	7.44	10.04
42		0.61	45%	2.48	1.50	2.03
43		0.18	45%	2.48	0.44	0.60
44		0.93	45%	2.48	2.30	3.10
44.1		1.25	45%	2.48	3.10	4.18
45		1.00	45%	2.48	2.48	3.35
46		0.52	45%	2.48	1.28	1.73
47		5.07	5%	1.70	8.62	11.64
47.1		2.99	45%	2.48	7.40	10.00
48		1.48	45%	2.48	3.68	4.97
49		0.75	45%	2.48	1.85	2.50
50		0.74	45%	2.48	1.83	2.47
51		0.34	5%	1.70	0.58	0.78
51.1		0.69	45%	2.48	1.72	2.32
52		0.31	45%	2.48	0.77	1.04
53		0.31	45%	2.48	0.76	1.03
54		0.43	45%	2.48	1.07	1.44
55		0.49	45%	2.48	1.21	1.63
56		0.13	45%	2.48	0.33	0.44
57		0.48	45%	2.48	1.18	1.59
58		0.41	45%	2.48	1.01	1.37
59		1.84	45%	2.48	4.56	6.16
60		1.59	100%	3.54	5.63	7.60
60.1		0.62	45%	2.48	1.54	2.08
61		0.14	45%	2.48	0.35	0.47
62		1.66	45%	2.48	4.12	5.57
63		1.78	25%	2.09	3.73	5.03
64		0.61	15%	1.89	1.16	1.56
64.1		0.22	45%	2.48	0.56	0.75
65		0.67	15%	1.89	1.28	1.72
65.1		0.29	45%	2.48	0.72	0.97
66		0.69	45%	2.48	1.72	2.32
67		0.36	45%	2.48	0.89	1.20
68		0.79	45%	2.48	1.96	2.64
68.1		2.00	5%	1.70	3.40	4.59
69		0.15	45%	2.48	0.38	0.51
70		0.26	45%	2.48	0.64	0.87
71		0.29	45%	2.48	0.72	0.97
72		0.39	45%	2.48	0.96	1.29
72.1		0.90	15%	1.89	1.69	2.29
73		0.12	45%	2.48	0.30	0.40
74		0.48	45%	2.48	1.19	1.61
74.1		0.52	45%	2.48	1.29	1.74
75		6.82	100%	3.54	24.15	32.61
75.1		1.98	45%	2.48	4.92	6.64



INLET CAPACITY CALCULATIONS

INLET NUMBER	INLET TYPE	STREET GRADE	INLET CAPACITY (CFS)	Q15 (CFS)	UPSTREAM INLET	Q15 BYPASS FROM UPSTREAM INLET (CFS)	TOTAL Q15 TO INLET (CFS)	Q15 BYPASS (CFS)	Q100 (CFS)	Q100 BYPASS FROM UPSTREAM INLET (CFS)	TOTAL Q100 TO INLET (CFS)	Q100 BYPASS (CFS)
5	DCI	LP	8.00	1.97	CI 16, CI 17	1.54	3.51	0.00	2.66	3.09	5.75	0.00
9	CI	4.7	0.95	1.01	DCI 10	0.00	1.01	0.06	1.36	0.00	1.36	0.41
10	DCI	3.4	4.46	1.46	-	0.00	1.46	0.00	1.97	0.00	1.97	0.00
11	DCI	3.4	4.46	3.23	-	0.00	3.23	0.00	4.36	0.00	4.36	0.00
16	CI	6.0	0.50	1.21	CI 9	0.06	1.27	0.77	1.63	0.41	2.05	1.55
17	CI	6.0	0.50	1.23	CI 18	0.04	1.27	0.77	1.66	0.39	2.05	1.55
18	CI	4.7	0.95	0.99	DCI 11	0.00	0.99	0.04	1.34	0.00	1.34	0.39
30	DCI	LP	8.00	2.28	-	0.00	2.28	0.00	3.08	0.00	3.08	0.00
31	DCI	LP	8.00	2.78	-	0.00	2.78	0.00	3.75	0.00	3.75	0.00
35	DCI	LP	8.00	3.19	CI 36, CI 37	0.32	3.51	0.00	4.31	1.02	5.33	0.00
36	CI	4.0	1.21	1.53	CI 48	0.00	1.53	0.32	2.07	0.00	2.07	0.86
37	CI	4.0	1.21	1.02	-	0.00	1.02	0.00	1.38	0.00	1.38	0.17
41	CI	2.0	1.93	0.37	-	0.00	0.37	0.00	0.50	0.00	0.50	0.00
42	CI	4.0	1.21	0.82	-	0.00	0.82	0.00	1.11	0.00	1.11	0.00
43	CI	4.0	1.21	0.76	-	0.00	0.76	0.00	1.03	0.00	1.03	0.00
47	CI	2.0	1.93	0.84	-	0.00	0.84	0.00	1.13	0.00	1.13	0.00
48	CI	2.0	1.93	0.32	-	0.00	0.32	0.00	0.43	0.00	0.43	0.00
49	CI	2.0	1.93	0.94	CI 47	0.00	0.94	0.00	1.27	0.00	1.27	0.00
54	DCI	2.0	6.60	2.40	-	0.00	2.40	0.00	3.24	0.00	3.24	0.00
54.1	DCI	2.0	6.60	2.55	-	0.00	2.55	0.00	3.44	0.00	3.44	0.00
56	CI	LP	4.00	1.97	DCI 54	0.00	1.97	0.00	2.66	0.00	2.66	0.00
56.1	CI	LP	4.00	2.61	DCI 54.1	0.00	2.61	0.00	3.52	0.00	3.52	0.00
66	DCI	LP	8.00	3.68	CI 69, CI 70	0.54	4.22	0.00	4.97	1.83	6.80	0.00
69	CI	3.0	1.57	1.85	-	0.00	1.85	0.28	2.50	0.00	2.50	0.93
70	CI	3.0	1.57	1.83	-	0.00	1.83	0.26	2.47	0.00	2.47	0.90
74	DCI	LP	8.00	2.30	-	0.00	2.30	0.00	3.11	0.00	3.11	0.00
75	DCI	LP	8.00	2.48	-	0.00	2.48	0.00	3.35	0.00	3.35	0.00
79.1	DCI	LP	8.00	4.56	-	0.00	4.56	0.00	6.16	0.00	6.16	0.00
81	CI	10.0	0.50	0.77	CI 89	0.00	0.77	0.27	1.04	0.00	1.04	0.54
84	CI	3.2	1.50	1.07	-	0.00	1.07	0.00	1.44	0.00	1.44	0.00
85	CI	3.2	1.50	1.21	-	0.00	1.21	0.00	1.63	0.00	1.63	0.13
88	CI-CANTED	10.0	4.00	1.01	CI 90	0.68	1.69	0.00	1.36	1.23	2.59	0.00
89	CI	10.0	0.50	0.33	CI 84	0.00	0.33	0.00	0.45	0.00	0.45	0.00
90	CI	10.0	0.50	1.18	CI 85	0.00	1.18	0.68	1.59	0.13	1.73	1.23
95	DCI	LP	8.00	4.12	-	0.00	4.12	0.00	5.56	0.00	5.56	0.00
96	DCI	LP	8.00	3.37	-	0.00	3.37	0.00	4.55	0.00	4.55	0.00
99	DCI	1.9	6.76	1.72	CI 100	0.41	2.13	0.00	2.32	1.38	3.70	0.00
100	CI	2.2	1.86	2.00	CI 81	0.27	2.27	0.41	2.70	0.54	3.24	1.38
101	CI	2.2	1.86	1.72	CI 89	0.00	1.72	0.00	2.32	0.00	2.32	0.46
104	DCI	1.9	6.76	0.89	CI 101	0.00	0.89	0.00	1.20	0.46	1.66	0.00
112	CI	1.5	2.11	1.35	-	0.00	1.35	0.00	1.82	0.00	1.82	0.00
113	CI	1.5	2.11	1.22	-	0.00	1.22	0.00	1.65	0.00	1.65	0.00

ISSUE	REMARKS/DATE
1	INITIAL SUBMITTAL
2	9-23-20 Rev Ducket Creek Cmmnt.
3	20201001 Rev per City/Duckett/PWSD#2
4	20201014 Rev per Duckett
5	20201020 Rev per City Comments
6	20201102 Rev per DCSD Comments
7	20201106 Rev per City Comments
8	20210719 Rev per City Comments
9	20210827 Rev per City Comment

PROJECT TITLE

AMBERLEIGH

O'FALLON, MISSOURI

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STATE OF MISSOURI
JASON D HOWELL
NUMBER PE-2007002801
PROFESSIONAL ENGINEER

Date: 8-27-2021
Jason D Howell
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Professional Engineer

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DRIANAGE AREA MAP

P+Z No. 20-000028
City No. 20-003192
Date: Aug. 27, 2021
Job No. 14-04-136

Page No.
9.2
IMP

"FINAL PLAN" Approval Date: March 27, 2020

Drawing name: V:\14-04-136 Diehr Ct Hopewell Rd\Drawings\Engineering\Improvements\14136IMP.dwg Plotted on: Aug 27, 2021 - 1:28pm Plotted by: jdhowell