

ISSUE	DATE	REMARKS
1	06/26/2017	Final Submittal
2	11/10/2017	City Comments
3	12/16/2017	City Comments
4	01/11/2018	City Resubmittal

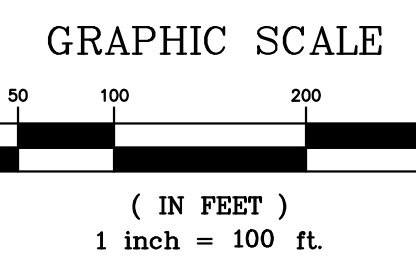
BASIN 'C'
 2-YR./20 MIN. HW ELEV.=518.76
 15-YR./20 MIN. HW ELEV.=519.64
 25-YR./20 MIN. HW ELEV.=520.15
 100-YR./20 MIN. HW ELEV.=520.68
 100-YR./20 MIN. LOW FLOW BLOCKED ELEV.=521.04
 (SEE DETAILS ON SHEETS 11.1-11.3)

SITE BENCHMARK #2
 FND. CROSS
 ELEVATION = 526.16'

OLD GUTHRIE (30'w) ROAD
 GUTHRIE ROAD WAS VACATED AND ABANDONED IN PLACE BY THE CITY OF FALLON, MISSOURI ON JUNE 27, 2013 BY ORDINANCE 5897 AND AS RECORDED IN BOOK 6072 PAGE 1480. UTILITY EASEMENT RIGHTS REMAIN IN PLACE.

Brookview
 Drainage Areas
 1/11/2018

Drainage Area	Total Area (ac)	5% Impervious (PI=1.87 cfs/ac.) (ac.)	40% Impervious (PI=2.64 cfs/ac.) (ac.)	100% Impervious (PI=3.85 cfs/ac.) (ac.)	Q ₁₅ (cfs)	Q ₁₀₀ (cfs)	Upstream Inlet #	Downstream Inlet #	Total Q ₁₅ in Pipe	Total Q ₁₀₀ in Pipe
1	1.43	0.00	1.43	0.00	3.78	5.97	105	104A	3.78	5.97
2	0.14	0.00	0.14	0.00	0.36	0.57	104	103	4.14	6.54
3	0.57	0.00	0.57	0.00	1.50	2.36	306	305	1.50	2.36
4	0.47	0.00	0.47	0.00	1.23	1.94	305	303	2.72	4.30
5	0.40	0.00	0.40	0.00	1.06	1.67	302	301	3.78	5.97
6	0.35	0.35	0.00	0.00	0.66	1.04	300	205	4.44	7.02
7	2.73	0.00	2.73	0.00	7.20	11.38	211	210	7.20	11.38
8	0.52	0.00	0.52	0.00	1.36	2.15	247	236	1.36	2.15
9	0.26	0.00	0.26	0.00	0.69	1.09	238	237	0.69	1.09
10	0.31	0.00	0.31	0.00	0.81	1.27	237	236	1.49	2.36
11	0.35	0.00	0.35	0.00	0.93	1.47	246	235	0.93	1.47
12	0.55	0.00	0.55	0.00	1.45	2.29	245	234	1.45	2.29
13	0.39	0.00	0.39	0.00	1.03	1.63	244	233	1.03	1.63
14	0.23	0.00	0.23	0.00	0.62	0.98	243	232	0.62	0.98
15	0.91	0.00	0.91	0.00	2.39	3.78	232	231	8.48	13.39
16	0.77	0.00	0.77	0.00	2.03	3.21	231	229	10.51	16.61
17	0.63	0.00	0.63	0.00	1.67	2.63	228	227	14.57	23.02
18	0.19	0.00	0.19	0.00	0.50	0.80	248A	248	0.50	0.80
19	0.19	0.00	0.19	0.00	0.49	0.78	248	229	1.00	1.57
20	0.53	0.00	0.53	0.00	1.40	2.21	229	228	12.90	20.39
21	0.25	0.00	0.25	0.00	0.66	1.04	224	223	0.66	1.04
22	0.34	0.00	0.34	0.00	0.89	1.41	223	222	1.55	2.45
23	0.10	0.00	0.10	0.00	0.26	0.41	222	221	1.81	2.85
24	0.41	0.00	0.41	0.00	1.08	1.71	221	220	2.89	4.57
25	0.13	0.00	0.13	0.00	0.35	0.55	220	219	3.23	5.11
26	0.29	0.00	0.29	0.00	0.75	1.19	219	218	3.99	6.30
27	0.23	0.00	0.23	0.00	0.60	0.94	218	217	4.58	7.24
28	0.24	0.00	0.24	0.00	0.62	0.98	217	216	5.21	8.23
29	0.34	0.00	0.34	0.00	0.89	1.40	216	215	6.09	9.62
30	1.42	0.00	1.42	0.00	3.75	5.93	241	240	3.75	5.93
31	0.19	0.00	0.19	0.00	0.50	0.79	239	227	4.25	6.71
							215	213	24.91	39.36
							202	201	36.45	57.59
							201	200	48.09	75.98
32	1.96	1.41	0.56	0.00	4.10	6.48				
33	0.08	0.00	0.08	0.00	0.21	0.32				TO EX. SWALE TO THE WEST
34	0.30	0.15	0.00	0.15	0.86	1.35				TO MEXICO ROAD TO THE EAST
35	0.10	0.10	0.00	0.00	0.19	0.31				TO VACATED OLD GUTHRIE ROAD
36	0.51	0.00	0.51	0.00	1.35	2.13	253	252	1.35	2.13



PROJECT TITLE

Brookview

OFFALLON, MISSOURI

THE STERLING CO.
 ENGINEERS & SURVEYORS
 5055 New Baumgartner Road
 St. Louis, Missouri 63129
 Ph 314-487-0440 Fax 314-487-8944
 www.sterling-eng-survey.com
 Corporate Certificate of Authority #001348



Date: 01/11/18
 SEAN ACKLEY
 LICENSE # PE-2009018679
 Civil Engineer

McBride Guthrie, LLC
 16091 Swingley Ridge Road, Suite 300
 Chesterfield, Missouri 63017
 Ph. (636) 537-2000
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DRAINAGE AREA MAP

P+Z No. 17-005894
 City No. 17-008288
 Date: 01/11/18
 Job No. 17-02-041

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