

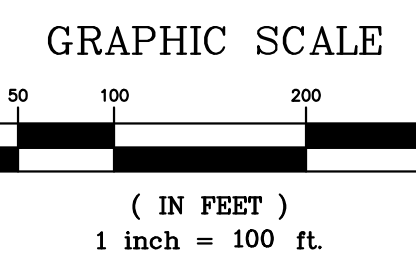
ISSUE	DATE	REMARKS
1	06/26/2017	Final Submittal
2	10/26/2017	City Comments
3	11/10/2017	City Comments
4	12/16/2017	City Comments
5	01/11/2018	City Resubmittal

PLEASANT BREEZE (50'W) DRIVE

BROOK RIDGE ESTATES
PLAT ONE
PB. 48, PG. 82

COMMON GROUND

LOT 870
LOT 880



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
Fax (636) 537-2546

DRAINAGE AREA MAP

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

Page No.

10.4

IMP

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				