

Pickett, Ray & Silver, Inc.

Detention Report

**HAMPTON WOODS
(A.K.A. Busch 80-Acre Tract)**

Prepared For:

Summit Pointe, L.C.
239 Fox Hill Road
St. Charles, Missouri 63301
636-940-9300

95067.SUPO.00R

333 Mid Rivers Mall Drive
St. Peters, Missouri 63376
Telephone 636-397-1211
Fax 636-397-1104
e-mail pickett3@prs3.com

PICKETT RAY & SILVER
facsimile transmittal

To: MR. FRANK GODWIN Fax: 240-5511
From: DON DANSON Date: 9/25/02
Re: HAMPTON WOODS Pages: 7

Urgent For Review & Comment For Your Use For Signature XAs Requested

FRANK,
THESE ARE THE 2 YEAR INFLOW HYDROGRAPHS THAT YOU REQUESTED FOR ALL OF THE HAMPTON WOODS DEVELOPMENT. ON MY DETAIL SHEETS YOU WILL SEE THAT I ALREADY CALCULATED THE 2 YEAR FLOW USING THE RATIONAL METHOD (SEE CONCRETE SWALE DETAILS). I LEFT YOU A RATHER LENGTHY PHONE MESSAGE REGARDING THE WEST DETENTION BASIN AND THE DIFFERENCE IN THE 2 YEAR INFLOW RATIONALLY VS. BY THE HYDROGRAPH. PLEASE LET ME KNOW WHICH RESULT YOU WOULD LIKE THE SWALE DESIGNED TO.
THANKS,
DON

The information contained in this facsimile transmission is legally privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this transmission is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this transmission is strictly prohibited. If you have received this transmission in error, please notify us immediately by collect telephone call and return the original transmission to us at the address listed above.

.....

VILLAGE B ~ PHASE TWO

HAMPTON WOODS
95067 SUPD.00R

HAMPTON WOODS
d. basin: CENTRAL
St. Charles County Rational Method
2-year INFLOW HYDROGRAPH

time of concentration: [REDACTED] min
[REDACTED]
peak flow: [REDACTED] cfs

time (min)	time (hr)	Q (cfs)	comment	increment:
0	0.000	0.0		4.52 cfs/min
1	0.017	4.5		4.52
2	0.033	9.0		4.52
3	0.050	13.6		4.52
4	0.067	18.1		4.52
5	0.083	22.6		4.52
6	0.100	27.1		4.52
7	0.117	31.6		4.52
8	0.133	36.2	is peak flow hydrant	4.52
9	0.150	36.2		4.52
10	0.167	36.2		4.52
11	0.183	36.2		4.52
12	0.200	36.2		4.52
13	0.217	36.2		4.52
14	0.233	36.2		4.52
15	0.250	36.2		4.52
16	0.267	36.2		4.52
17	0.283	36.2		4.52
18	0.300	36.2		4.52
19	0.317	36.2		4.52
20	0.333	36.2		4.52
21	0.350	31.6		4.52
22	0.367	27.1		4.52
23	0.383	22.6		4.52
24	0.400	18.1		4.52
25	0.417	13.6		4.52
26	0.433	9.0		4.52
27	0.450	4.5		4.52
28	0.467	0.0		4.52

VILLAGE B ~ PHASE TWO

HAMPTON WOODS
95067 SUPO.00R

HAMPTON WOODS
d. basin: NORTH
St. Charles County Rational Method
2-year INFLOW HYDROGRAPH

time of concentration: [REDACTED] min
peak flow: [REDACTED] cfs

time (min)	time (hr)	Q (cfs)	comment	increment:
0	0.000	0.0		0.67 cfs/min
1	0.017	0.7		0.67
2	0.033	1.3		0.67
3	0.050	2.0		0.67
4	0.067	2.7		0.67
5	0.083	3.3		0.67
6	0.100	4.0		0.67
7	0.117	4.7		0.67
8	0.133	5.3		0.67
9	0.150	6.0		0.67
10	0.167	6.7		0.67
11	0.183	7.3		0.67
12	0.200	8.0		0.67
13	0.217	8.7	1st peak flow ordinate	0.67
14	0.233	8.7		0.67
15	0.250	8.7		0.67
16	0.267	8.7		0.67
17	0.283	8.7		0.67
18	0.300	8.7		0.67
19	0.317	8.7		0.67
20	0.333	8.7		0.67
21	0.350	8.0		0.67
22	0.367	7.3		0.67
23	0.383	6.7		0.67
24	0.400	6.0		0.67
25	0.417	5.3		0.67
26	0.433	4.7		0.67
27	0.450	4.0		0.67
28	0.467	3.3		0.67
29	0.483	2.7		0.67
30	0.500	2.0		0.67
31	0.517	1.3		0.67
32	0.533	0.7		0.67
33	0.550	0.0		0.67

VILLAGE A

HAMPTON WOODS
95067SUPO.00R

HAMPTON WOODS
D. BASIN: Southwest
St. Charles County Rational Method
2-year INFLOW HYDROGRAPH

SHEET 1 OF 2 **RECEIVED**

SEP 25 2002

BUILDING DEPT.

time of concentration: [REDACTED] min
peak flow: [REDACTED] cfs

time (min)	time (hr)	Q (cfs)	comment	increment:
0	0.000	0.0		
1	0.017	0.3		0.31 cfs/min
2	0.033	0.6		0.31
3	0.050	0.9		0.31
4	0.067	1.2		0.31
5	0.083	1.5		0.31
6	0.100	1.8		0.31
7	0.117	2.1		0.31
8	0.133	2.4		0.31
9	0.150	2.7		0.31
10	0.167	3.1		0.31
11	0.183	3.4		0.31
12	0.200	3.7		0.31
13	0.217	4.0		0.31
14	0.233	4.3		0.31
15	0.250	4.6		0.31
16	0.267	4.9		0.31
17	0.283	5.2		0.31
18	0.300	5.5		0.31
19	0.317	5.8		0.31
20	0.333	6.1		0.31
21	0.350	6.4		0.31
22	0.367	6.7		0.31
23	0.383	7.0		0.31
24	0.400	7.3		0.31
25	0.417	7.6		0.31
26	0.433	7.9		0.31
27	0.450	8.2	[REDACTED]	0.31
28	0.467	7.9		0.31
29	0.483	7.6		0.31
30	0.500	7.3		0.31
31	0.517	7.0		0.31
32	0.533	6.7		0.31
33	0.550	6.4		0.31
34	0.567	6.1		0.31
35	0.583	5.8		0.31
36	0.600	5.5		0.31
37	0.617	5.2		0.31
38	0.633	4.9		0.31
39	0.650	4.6		0.31
40	0.667	4.3		0.31
41	0.683	4.0		0.31

SHT. 2 OF 2

42	0.700	3.7	0.31
43	0.717	3.4	0.31
44	0.733	3.1	0.31
45	0.750	2.7	0.31
46	0.767	2.4	0.31
47	0.783	2.1	0.31
48	0.800	1.8	0.31
49	0.817	1.5	0.31
50	0.833	1.2	0.31
51	0.850	0.9	0.31
52	0.867	0.6	0.31
53	0.883	0.3	0.31
54	0.900	0.0	0.31

HAMPTON WOODS
95067 SUPD.00R

VILLAGE B - PHASE ONE

HAMPTON WOODS
d. basin: SOUTHEAST
St. Charles County Rational Method
2-year INFLOW HYDROGRAPH

time of concentration: [REDACTED] min

peak flow: [REDACTED] cfs

time (min)	time (hr)	Q (cfs)	comment
0	0.000	0.0	
1	0.017	1.7	increment: 1.66 cfs/min
2	0.033	3.3	1.66
3	0.050	5.0	1.66
4	0.067	6.6	1.66
5	0.083	8.3	1.66
6	0.100	10.0	1.66
7	0.117	11.6	1.66
8	0.133	13.3	1.66
9	0.150	15.0	1.66
10	0.167	16.6	1.66
11	0.183	18.3	1.66
12	0.200	19.9	1.66
13	0.217	21.6	1.66
14	0.233	23.3	1.66
15	0.250	24.9	1.66
16	0.267	26.6	1.66
17	0.283	26.6	1.66
18	0.300	26.6	1.66
19	0.317	26.6	1.66
20	0.333	26.6	1.66
21	0.350	24.9	1.66
22	0.367	23.3	1.66
23	0.383	21.6	1.66
24	0.400	19.9	1.66
25	0.417	18.3	1.66
26	0.433	16.6	1.66
27	0.450	15.0	1.66
28	0.467	13.3	1.66
29	0.483	11.6	1.66
30	0.500	10.0	1.66
31	0.517	8.3	1.66
32	0.533	6.6	1.66
33	0.550	5.0	1.66
34	0.567	3.3	1.66
35	0.583	1.7	1.66
36	0.600	0.0	1.66

