

DETENTION IS PROVIDED WITH THE WINGHAVEN PHASE 1 DEVELOPMENT.

WATER QUALITY REQUIREMENTS HAVE BEEN PROVIDED WITH THE PHOENIX WALK AT WINGHAVEN DEVELOPMENT. (SEE STRUCTURE 1 AT PHOENIX PARKWAY)

15 YEAR STORM

STRUCTURE	AREA (ACRES)	P.I.	AREA (ACRES)	P.I.	TOTAL Q (cfs)
1	0.00	3.85	0.00	1.87	0.00
2	0.00	3.85	0.00	1.87	0.00
3	0.92	3.85	0.00	1.87	3.56
4	0.17	3.85	0.00	1.87	0.65
5	0.21	3.85	0.00	1.87	0.83
6	0.80	3.85	0.00	1.87	3.10
7	0.28	3.85	0.00	1.87	1.08
8	0.27	3.85	0.00	1.87	1.05
9	0.11	3.85	0.00	1.87	0.42
10	0.28	3.85	0.00	1.87	1.08
11	0.17	3.85	0.00	1.87	0.67
12	0.21	3.85	0.00	1.87	0.81
13	0.85	3.85	0.00	1.87	0.74
14	0.60	3.85	0.00	1.87	2.33
15	0.10	3.85	0.00	1.87	0.40
16	0.10	3.85	0.00	1.87	0.39
17	1.12	3.85	0.00	1.87	4.31
18	0.69	3.85	0.34	1.87	3.29
19	0.49	3.85	0.17	1.87	2.20
ROOF	0.54	3.85	0.00	1.87	2.08
EX2	1.09	3.85	0.00	1.87	4.18
20	0.00	3.85	0.00	1.87	0.00
21	0.00	3.85	0.00	1.87	0.00
22	0.10	3.85	0.00	1.87	0.38
23	0.09	3.85	0.05	1.87	0.44
24	0.01	3.85	0.06	1.87	0.15
25	0.05	3.85	0.11	1.87	0.40
26	0.03	3.85	0.05	1.87	0.21
27	0.04	3.85	0.00	1.87	0.16
28	0.03	3.85	0.00	1.87	0.12
29	0.03	3.85	0.00	1.87	0.12
30	0.01	3.85	0.04	1.87	0.11

NOTE: DOWNSPOUT DISCHARGE HAS BEEN ADDED TO THE IMMEDIATE UPSTREAM STRUCTURE FROM THE DOWNSPOUT CONNECTION POINT.

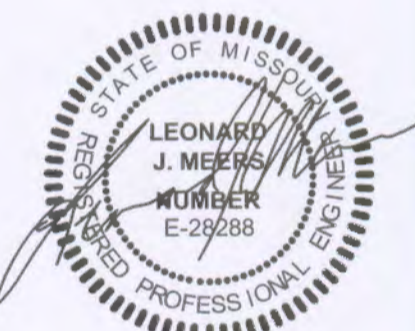
NOTE: ALL ITEMS THAT WILL BE DEMOLISHED HAVE BEEN REMOVED FOR CLARITY

PROJECT TITLE

PRIMROSE SCHOOL OF O'FALLON AT WINGHAVEN
7778 WINGHAVEN BLVD, O'FALLON, MISSOURI

GRIMES CONSULTING, INC.

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5/20/14
LEONARD J. MEERS
PROFESSIONAL ENGINEER
E-28288

Developer / Owner Information

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City of O'Fallon Proposed Drainage Map

P+Z No. 9831.54.03

City No. TBD

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