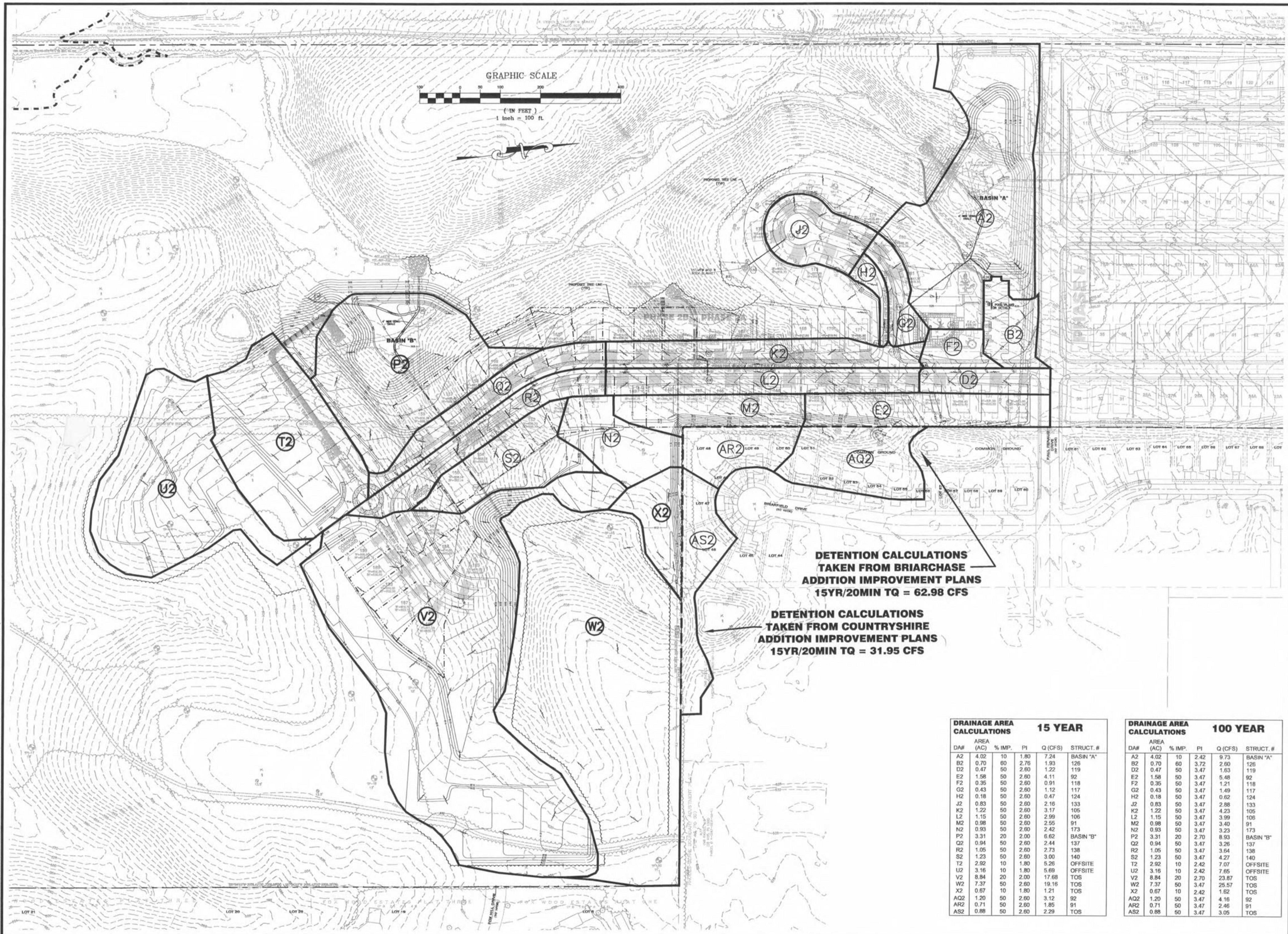


USER: kwright; TAB: C11.0; DATE: Oct 23, 2007 - 12:05pm; DRAWING: S:\JOB5\2007\07-0041\007-0041.dwg; IMPROVEMENT PLANS PHASE 2\0_IPLAN_C11.0_DRAINAGE MAP.dwg



**DETENTION CALCULATIONS
TAKEN FROM BRIARCHASE
ADDITION IMPROVEMENT PLANS
15YR/20MIN TQ = 62.98 CFS**

**DETENTION CALCULATIONS
TAKEN FROM COUNTRYSHIRE
ADDITION IMPROVEMENT PLANS
15YR/20MIN TQ = 31.95 CFS**

DRAINAGE AREA CALCULATIONS 15 YEAR					
DA#	AREA (AC)	% IMP.	PI	Q (CFS)	STRUCT. #
A2	4.02	10	1.80	7.24	BASIN "A"
B2	0.70	60	2.76	1.93	126
D2	0.47	50	2.60	1.22	119
E2	1.58	50	2.60	4.11	92
F2	0.35	50	2.60	0.91	118
G2	0.43	50	2.60	1.12	117
H2	0.18	50	2.60	0.47	124
J2	0.83	50	2.60	2.16	133
K2	1.22	50	2.60	3.17	106
L2	1.15	50	2.60	2.99	106
M2	0.98	50	2.60	2.55	91
N2	0.93	50	2.60	2.42	173
P2	3.31	20	2.00	6.62	BASIN "B"
Q2	0.94	50	2.60	2.44	137
R2	1.05	50	2.60	2.73	138
S2	1.23	50	2.60	3.00	140
T2	2.92	10	1.80	5.26	OFFSITE
U2	3.16	10	1.80	5.69	OFFSITE
V2	8.84	20	2.00	17.68	TOS
W2	7.37	50	2.60	19.16	TOS
X2	0.67	10	1.80	1.21	TOS
AQ2	1.20	50	2.60	3.12	92
AR2	0.71	50	2.60	1.85	91
AS2	0.88	50	2.60	2.29	TOS

DRAINAGE AREA CALCULATIONS 100 YEAR					
DA#	AREA (AC)	% IMP.	PI	Q (CFS)	STRUCT. #
A2	4.02	10	2.42	9.73	BASIN "A"
B2	0.70	60	3.72	2.60	126
D2	0.47	50	3.47	1.63	119
E2	1.58	50	3.47	5.48	92
F2	0.35	50	3.47	1.21	118
G2	0.43	50	3.47	1.49	117
H2	0.18	50	3.47	0.82	124
J2	0.83	50	3.47	2.88	133
K2	1.22	50	3.47	4.23	106
L2	1.15	50	3.47	3.99	106
M2	0.98	50	3.47	3.40	91
N2	0.93	50	3.47	3.23	173
P2	3.31	20	2.70	8.93	BASIN "B"
Q2	0.94	50	3.47	3.26	137
R2	1.05	50	3.47	3.84	138
S2	1.23	50	3.47	4.27	140
T2	2.92	10	2.42	7.07	OFFSITE
U2	3.16	10	2.42	7.65	OFFSITE
V2	8.84	20	2.70	23.87	TOS
W2	7.37	50	3.47	25.57	TOS
X2	0.67	10	2.42	1.62	TOS
AQ2	1.20	50	3.47	4.16	92
AR2	0.71	50	3.47	2.46	91
AS2	0.88	50	3.47	3.05	TOS

REVISIONS

NO.	DATE	DESCRIPTION
1	9/24/07	OWNER COMMENTS
2	9/24/07	OWNER COMMENTS
3	9/24/07	OWNER COMMENTS
4	9/24/07	OWNER COMMENTS
5	9/24/07	OWNER COMMENTS
6	9/24/07	OWNER COMMENTS
7	9/24/07	OWNER COMMENTS
8	9/24/07	OWNER COMMENTS
9	9/24/07	OWNER COMMENTS
10	9/24/07	OWNER COMMENTS
11	9/24/07	OWNER COMMENTS
12	9/24/07	OWNER COMMENTS
13	9/24/07	OWNER COMMENTS
14	9/24/07	OWNER COMMENTS
15	9/24/07	OWNER COMMENTS
16	9/24/07	OWNER COMMENTS
17	9/24/07	OWNER COMMENTS
18	9/24/07	OWNER COMMENTS
19	9/24/07	OWNER COMMENTS
20	9/24/07	OWNER COMMENTS

DEVELOPER/OWNER: THE JONES COMPANY HOMES, L.L.C.
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CHESTERFIELD, MO 63005
PHONE: (636) 537-7192

SEAL: JOHN F. HUBBARD, PROFESSIONAL ENGINEER, STATE OF MISSOURI, LICENSE NO. E-37116

PRESTON WOODS - PHASE II
IMPROVEMENT PLANS
PRESTON WOODS LANE
OF FALLON, MO. 63366
DRAINAGE AREA MAP

planning • engineering • surveying • landscape architecture
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DESIGNED BY: JKW
DRAWN BY: KDK
CHECKED BY: JFH
DATE: 6/14/07
Job Number: 07-0041
Sheet Number: C11.0