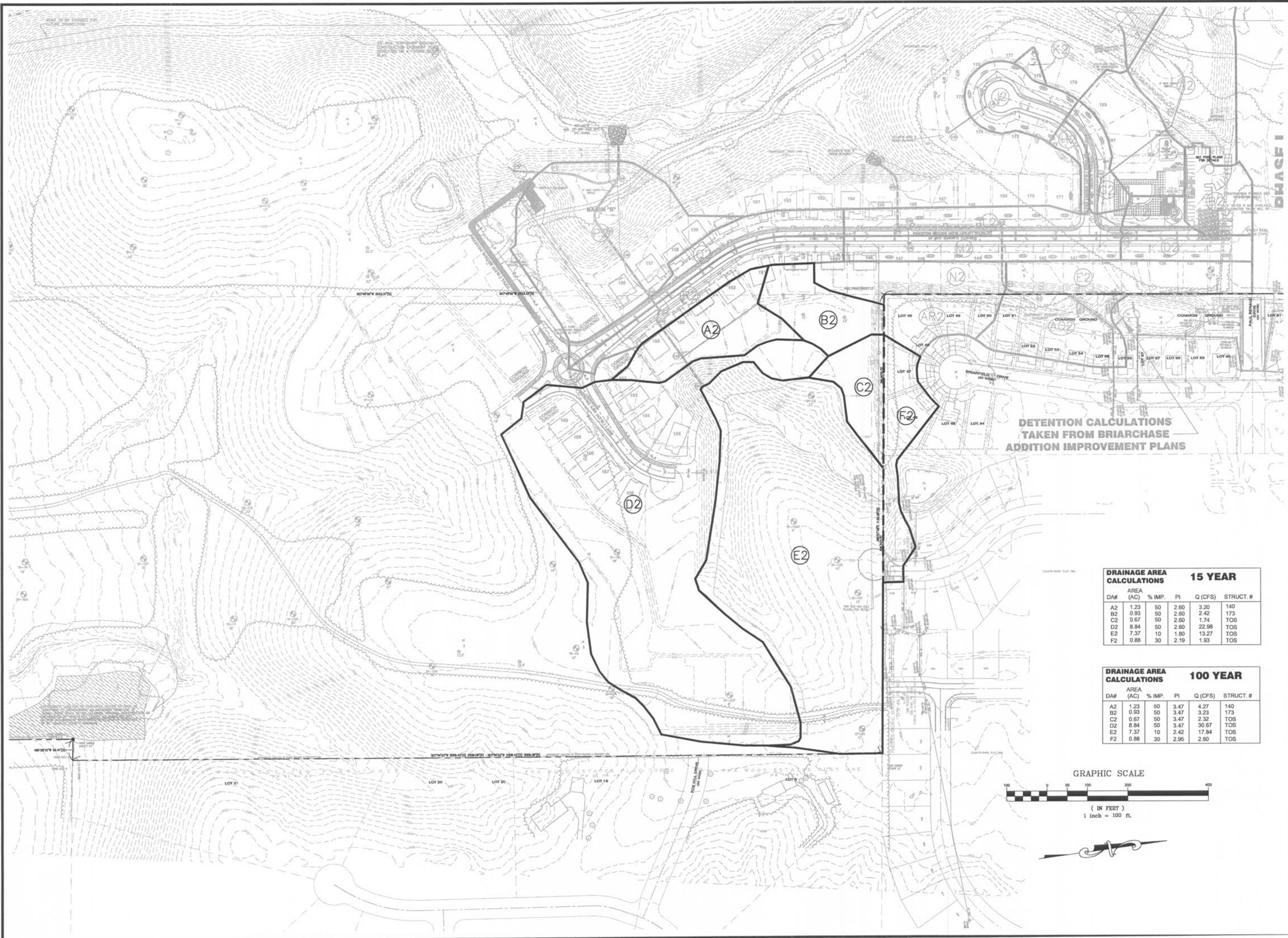


USER: jkwhs TAB: 07.0
 DATE: Jan 11, 2008 7:59 am
 DRAWING: S:\085\Jobs\07-07-078\07-078.dwg MASS GRADING PLANS PHASE III V0_PLAN_07.0 DAM PRE.dwg



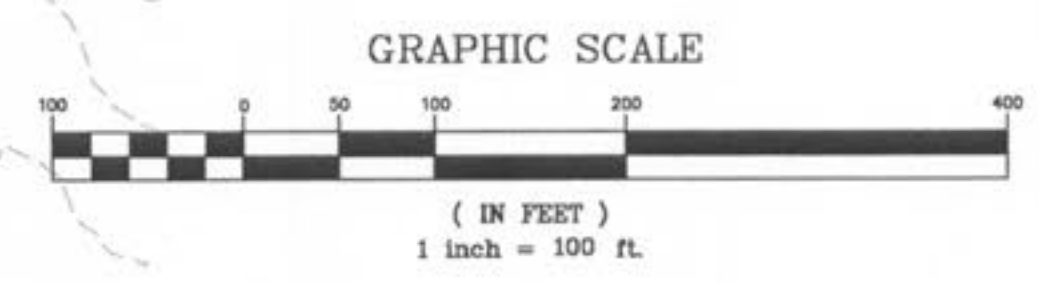
**DETENTION CALCULATIONS
 TAKEN FROM BRIARCHASE
 ADDITION IMPROVEMENT PLANS**

DRAINAGE AREA CALCULATIONS 15 YEAR

DA#	AREA (AC)	% IMP.	PI	Q (CFS)	STRUCT. #
A2	1.23	50	2.60	3.20	140
B2	0.93	50	2.60	2.42	173
C2	0.67	50	2.60	1.74	TOS
D2	8.84	50	2.60	22.98	TOS
E2	7.37	10	1.80	13.27	TOS
F2	0.88	30	2.19	1.93	TOS

DRAINAGE AREA CALCULATIONS 100 YEAR

DA#	AREA (AC)	% IMP.	PI	Q (CFS)	STRUCT. #
A2	1.23	50	3.47	4.27	140
B2	0.93	50	3.47	3.23	173
C2	0.67	50	3.47	2.32	TOS
D2	8.84	50	3.47	30.67	TOS
E2	7.37	10	2.42	17.84	TOS
F2	0.88	30	2.95	2.60	TOS



REVISIONS

DATE	BY	DESC
12/18/07	JKW	OWNER COMMENTS/CITY COMMENTS
1/17/08	JKW	CITY COMMENTS

DEVELOPER/OWNER:
 THE JONES COMPANY HOMES, L.L.C.
 16640 CHESTERFIELD GROVE, SUITE 200
 CHESTERFIELD, MO 63005
 PHONE: (636) 537-7192

SCALE: 1/2" = 100'

DESIGNED BY: JKW
 DRAWN BY: JKW
 CHECKED BY: JFH
 DATE: 8/13/07

Job Number: 07-0178
 Sheet Number: G7.0

PRE-DEVELOPED DRAINAGE AREA MAP

PRESTON WOODS - PHASE III
 MASS GRADING PLANS
 + PARTIAL STORM SEWER
 ST. CHARLES, MO. 63366

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