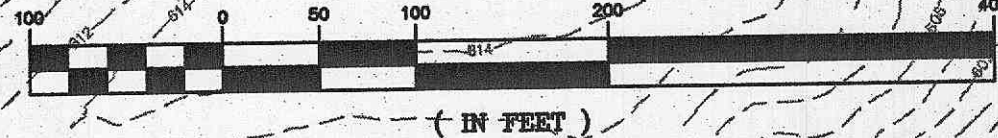


GRAPHIC SCALE



(IN FEET)
 1 inch = 100 ft.

**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**

CITY OF O'FALLON
 COMMUNITY DEVELOPMENT DEPARTMENT
 ACCEPTED FOR CONSTRUCTION
 BY: [Signature] DATE: 9/17/08
 PROFESSIONAL ENGINEER'S SEAL
 INDICATES RESPONSIBILITY FOR DESIGN

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	2.90	0.47	124
J2	0.83	50	2.50	2.16	133
K2	1.22	50	2.60	3.17	105
L2	1.15	50	2.60	2.98	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	5.28	OFFSITE
V2	3.16	10	1.80	5.69	OFFSITE
W2	8.94	20	2.00	17.68	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	0.62	124
J2	0.83	50	3.47	2.88	133
K2	1.22	50	3.47	4.23	105
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	3.64	138
S2	1.23	50	3.47	4.27	140
T2	2.92	10	2.42	7.07	OFFSITE
V2	3.16	10	2.42	7.65	OFFSITE
W2	8.94	20	2.70	23.87	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

DATE	DESCRIPTION
8/24/07	OWNER/FINISH/DUCTILE CREEK
9/17/07	FINISH/REVISIONS
9/17/07	COMMENTS
10/12/07	DUCTILE CREEK/SANITARY DISTRICT
10/12/07	CITY OF FALLON COMMENTS
10/19/07	CITY OF FALLON COMMENTS
10/23/07	CITY OF FALLON COMMENTS
9/25/08	FIELD CHANGE - STRUCTURE 136

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

DESIGNED BY
 JKW

DRAWN BY
 KDK

CHECKED BY
 JFH

DATE
 6/14/07

Job Number
 07-0041

Sheet Number
 C11.0

**and ASSOCIATES
 INCORPORATED**
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