



WATERSHED #1

DETENTION BASIN #1 SHALL PROVIDE DETENTION FOR 16.44 AC.

WATERSHED #2

DETENTION BASIN #2 SHALL PROVIDE DETENTION FOR 16.89 AC.

ROADWAY STORM STRUCTURE CALCULATIONS

STRUCTURE	LONG.	% GRADE	CROSS SLOPE	Q (cfs)	DEPTH (feet)	BYPASS (cfs)	TOTAL Q (cfs) INTO STRUCTURE	REMARKS
19		4.52	2.67	1.17	0.11	+0.95	2.12	0.95 FROM 20
20		6.00	4.00	0.97	0.13	-0.95	0.50	0.48 FROM 21, 0.95 BYPASSING 20
21		6.00	4.00	0.98	0.13	-0.48	0.50	0.48 BYPASSING 21
22		3.49	4.00	0.98	0.14	0	0.98	

PREPARED FOR:
BRINKMANN CONSTRUCTORS
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16650 CHESTERFIELD GROVE RD, SUITE 100
CHESTERFIELD, MO 63005
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▲ 06/30/05 PER CITY & MDDOT COMMENTS
▲ 05/23/05 PER CITY, WATER & SANITARY COMMENTS

O'FALLON AUTO MALL	
DRAINAGE AREA MAP	
J. R. GRIMES	12300 OLD TESSON ROAD SUITE 3000 ST. LOUIS, MO. 63128 PH. (314) 849-6100 FAX (314) 849-6010
CONSULTING ENGINEERS, INC.	
DRAWN BY: JLW	DATE: 04/08/05
CHECKED BY: LJM	DATE: 04/08/05
JOB NUMBER: 675N	SHEET: C25