



### J.R. GRIMES CONSULTING ENGINEERS, INC. O'FALLON AUTO MALL

VER. 3.0

STATION	UPR	LOWER	FLOWLINE		LENGTH	GRADE	PIPE	"n"	Q	TOTAL	V	V <sub>s</sub>	PIPE LOSSES (ft)			JUNC. LOSS	STRUCTURE BEND LOSS	LOSSES (ft)	HYD. ELEV.	HYD. GRADE	LOWEST OPENING	FREEBOARD	PIPE CAPACITY	Q/CAP.	DEPTH IN PIPE	FULL FLOW VELOCITY	OVEN LOWER HYD ELEV
			UPR	LOWER									ft.	ft.	ft.												
2	1	531.54	531.00	72	0.0075	54	0.013	0.00	114.93	7.73	0.93	0.28	0.06	0.34	0.00	0.00	0.00	535.84	535.50	0.00391	552.10	16.26	170.30	0.67	2.66	7.23	535.50



**O'FALLON AUTO MALL**  
STORM SEWER DETAILS

**J. R. GRIMES**  
CONSULTING ENGINEERS, INC.

12300 OLD TESSON ROAD  
SUITE 3000  
ST. LOUIS, MO. 63128  
PH. (314) 849-6100  
FAX (314) 849-6010

DRAWN BY: JLW	DATE: 04/08/05	CHECKED BY: LJM	DATE: 04/08/05	JOB NUMBER: 675N	SHEET: C14
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PREPARED FOR:  
BRINKMANN CONSTRUCTORS  
CONTACT: KEVIN JACOBSMEYER  
16650 CHESTERFIELD GROVE RD, SUITE 100  
CHESTERFIELD, MO 63005  
PH: (636) 537-9700  
FAX: (636) 537-9880

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