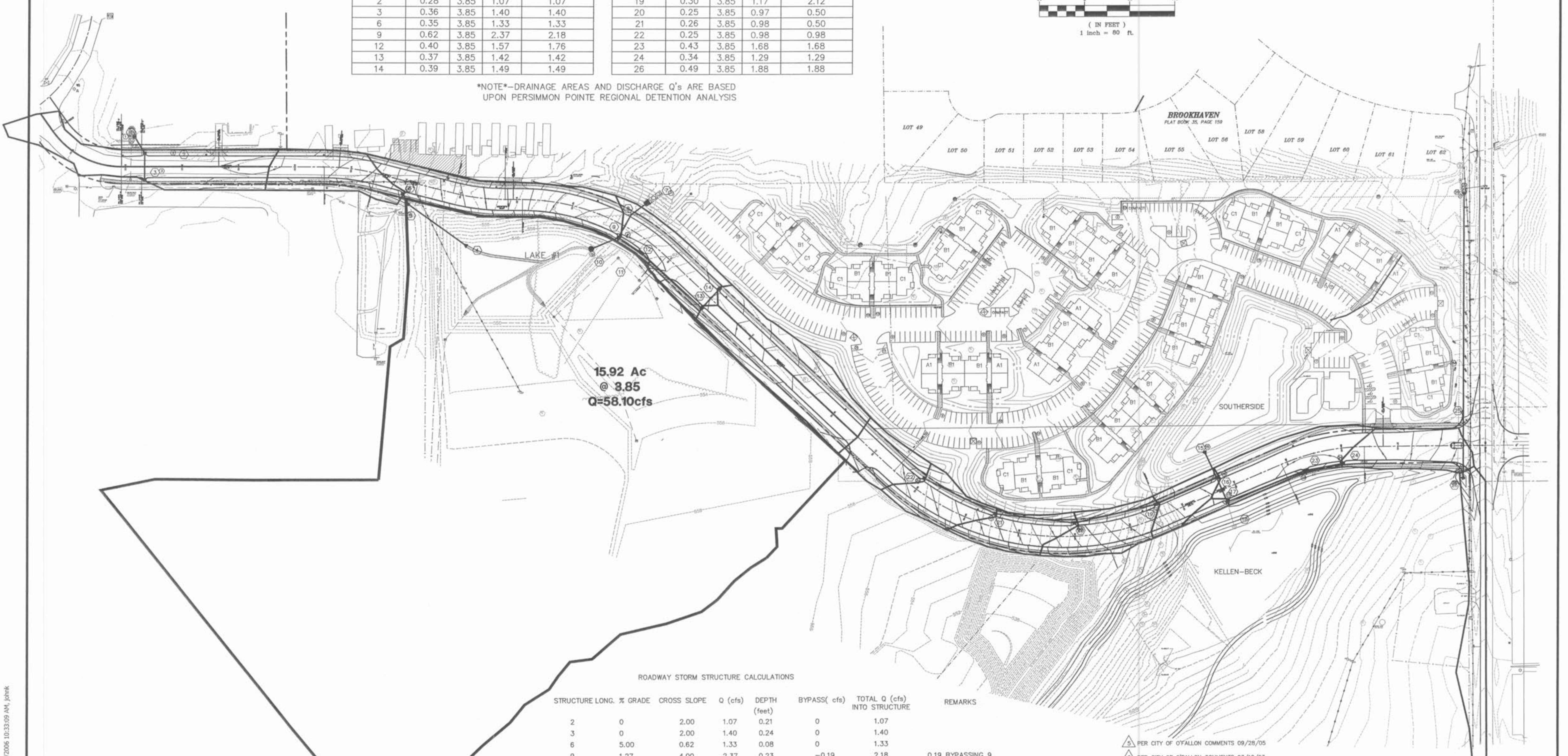
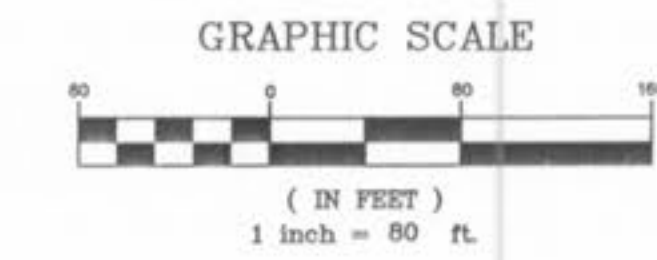


15 YEAR STORM

STRUCTURE	AREA (ACRES)	P.I.	TOTAL Q (cfs)	INTERCEPTED Q (cfs)	STRUCTURE	AREA (ACRES)	P.I.	TOTAL Q (cfs)	INTERCEPTED Q (cfs)
SOUTHERSIDE	---	---	29.68*	29.68*	16	0.17	3.85	0.66	0.66
LAKE #1	5.62	---	1.66*	1.66*	17	0.03	3.85	0.13	0.13
KELLEN-BECK	66.33	---	28.90*	28.90*	18	5.02	3.85	19.31	19.31
2	0.28	3.85	1.07	1.07	19	0.30	3.85	1.17	2.12
3	0.36	3.85	1.40	1.40	20	0.25	3.85	0.97	0.50
6	0.35	3.85	1.33	1.33	21	0.26	3.85	0.98	0.50
9	0.62	3.85	2.37	2.18	22	0.25	3.85	0.98	0.98
12	0.40	3.85	1.57	1.76	23	0.43	3.85	1.68	1.68
13	0.37	3.85	1.42	1.42	24	0.34	3.85	1.29	1.29
14	0.39	3.85	1.49	1.49	26	0.49	3.85	1.88	1.88

NOTE-DRAINAGE AREAS AND DISCHARGE Q's ARE BASED UPON PERSIMMON POINTE REGIONAL DETENTION ANALYSIS



**15.92 Ac
@ 3.85
Q=58.10cfs**

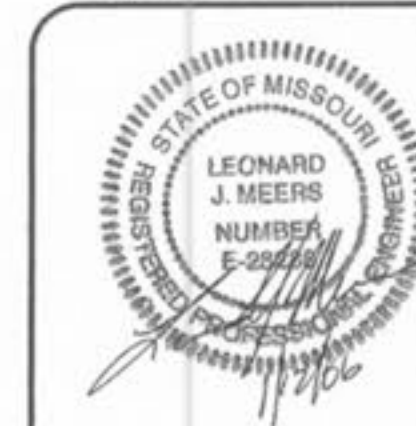
ROADWAY STORM STRUCTURE CALCULATIONS

STRUCTURE	LONG.	% GRADE	CROSS SLOPE	Q (cfs)	DEPTH (feet)	BYPASS (cfs)	TOTAL Q (cfs) INTO STRUCTURE	REMARKS
2	0		2.00	1.07	0.21	0	1.07	
3	0		2.00	1.40	0.24	0	1.40	
6	5.00		0.62	1.33	0.08	0	1.33	
9	1.27		4.00	2.37	0.23	-0.19	2.18	0.19 BYPASSING 9
12	0		4.00	1.57	0.17	+0.19	1.76	0.19 FROM 9
13	3.00		2.00	1.42	0.13	0	1.42	
14	3.00		1.25	1.49	0.11	0	1.49	
16	1.21		1.78	0.66	0.10	0	0.66	
17	1.21		1.81	0.13	0.05	0	0.13	
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	
23	0		4.00	1.68	0.17	0	1.68	
24	1.43		2.64	1.29	0.14	0	1.29	

- ⑤ PER CITY OF O'FALLON COMMENTS 09/28/05
- ② PER CITY OF O'FALLON COMMENTS 03/12/03
- ① PER CITY OF O'FALLON COMMENTS 06/27/02

PREPARED FOR:
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ST. LOUIS, MO. 63124
PH. (314) 991-1248
FAX (314) 991-0964

CITY OF O'FALLON FILE NO.
31.01.01



**CRUSHER ROAD
DRAINAGE AREA MAP**

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

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FAX (314) 849-6010

DRAWN BY: JLW	DATE: 11/07/01	CHECKED BY: JRG	DATE: 11/07/01	JOB NUMBER: 675E	SHEET: C20
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