

SDATES STIMES \$UBERSCLIENTS\$FILES \$MODELNAMES \$PLTDRVSS

EXISTING CONDITIONS												
Drainage Area	Runoff Coefficient "C"	Area (Acres) "A"	Time of Concentration (Min)	Intensity (in/hr) I 5	Discharge (cfs) Q 5	Intensity (in/hr) I 10	Discharge (cfs) Q 10	Intensity (in/hr) I 25	Discharge (cfs) Q 25	Intensity (in/hr) I 100	Discharge (cfs) Q 100	
EX-1	0.35	15.96	20.00	5.00	27.93	5.85	32.68	6.67	37.26	8.30	46.36	
ROCKWALL LIBRARY POND-A OUT FLOW	0.90	1.10		6.15	5.81	7.20	6.75	8.20	7.74	9.80	9.67	
ROCKWALL LIBRARY POND-B OUT FLOW	0.90	0.44		6.15	2.33	7.20	2.72	8.20	3.11	9.80	3.89	
Total Q		17.50			36.07		42.15		48.11		59.92	

PROPOSED CONDITIONS

Drainage Area	Runoff Coefficient	Area (Acres) "A"	Total "CA"	Time of Concentration (Min)	Intensity (in/hr) I 5	Discharge (cfs) Q 5	Intensity (in/hr) I 10	Discharge (cfs) Q 10	Intensity (in/hr) I 25	Discharge (cfs) Q 25	Intensity (in/hr) I 100	Discharge (cfs) Q 100
A-1	0.90	0.64	0.58	10.00	6.15	3.54	7.20	4.15	8.20	4.72	9.80	5.64
A-2	0.90	1.58	1.42	10.00	6.15	8.75	7.20	10.24	8.20	11.66	9.80	13.94
A-3	0.90	0.53	0.48	10.00	6.15	2.93	7.20	3.43	8.20	3.91	9.80	4.67
A-4	0.90	0.19	0.17	10.00	6.15	1.05	7.20	1.23	8.20	1.40	9.80	1.68
A-5	0.90	0.21	0.19	10.00	6.15	1.16	7.20	1.36	8.20	1.55	9.80	1.85
A-6	0.90	0.43	0.39	10.00	6.15	2.38	7.20	2.79	8.20	3.17	9.80	3.79
A-7	0.90	0.37	0.33	10.00	6.15	2.05	7.20	2.40	8.20	2.73	9.80	3.26
A-8	0.90	0.55	0.50	10.00	6.15	3.04	7.20	3.56	8.20	4.06	9.80	4.85
A-9	0.90	0.63	0.57	10.00	6.15	3.49	7.20	4.08	8.20	4.65	9.80	5.56
A-10	0.90	0.46	0.41	10.00	6.15	2.55	7.20	2.98	8.20	3.39	9.80	4.06
A-11	0.90	1.08	0.97	10.00	6.15	5.98	7.20	7.00	8.20	7.97	9.80	9.53
B-1	0.90	0.28	0.25	10.00	6.15	1.55	7.20	1.81	8.20	2.07	9.80	2.47
B-2	0.90	0.43	0.39	10.00	6.15	2.38	7.20	2.79	8.20	3.17	9.80	3.79
B-3	0.90	0.56	0.50	10.00	6.15	3.10	7.20	3.63	8.20	4.13	9.80	4.94
B-4	0.90	0.50	0.45	10.00	6.15	2.77	7.20	3.24	8.20	3.69	9.80	4.41
B-5	0.90	0.67	0.60	10.00	6.15	3.71	7.20	4.34	8.20	4.94	9.80	5.91
B-6	0.90	0.17	0.15	10.00	6.15	0.94	7.20	1.10	8.20	1.25	9.80	1.50
B-7	0.90	0.27	0.24	10.00	6.15	1.49	7.20	1.75	8.20	1.99	9.80	2.38
B-8	0.90	0.62	0.56	10.00	6.15	3.43	7.20	4.02	8.20	4.58	9.80	5.47
B-9	0.90	0.57	0.51	10.00	6.15	3.15	7.20	3.69	8.20	4.21	9.80	5.03
B-10	0.90	0.61	0.55	10.00	6.15	3.38	7.20	3.95	8.20	4.50	9.80	5.38
B-11	0.90	0.44	0.40	10.00	6.15	2.44	7.20	2.85	8.20	3.25	9.80	3.88
B-12	0.90	0.15	0.14	10.00	6.15	0.83	7.20	0.97	8.20	1.11	9.80	1.32
B-13	0.90	1.43	1.29	10.00	6.15	7.92	7.20	9.27	8.20	10.55	9.80	12.61
C-1	0.90	0.34	0.31	10.00	6.15	1.88	7.20	2.20	8.20	2.51	9.80	3.00
C-2	0.90	0.22	0.20	10.00	6.15	1.22	7.20	1.43	8.20	1.62	9.80	1.94
C-3	0.90	0.33	0.30	10.00	6.15	1.83	7.20	2.14	8.20	2.44	9.80	2.91
D-1	0.90	7.43	6.69	10.00	6.15	41.13	7.20	48.15	8.20	54.83	9.80	65.53
D-2	0.90	1.84	1.66	10.00	6.15	10.18	7.20	11.92	8.20	13.58	9.80	16.23
Roof Drain	0.90	0.92	0.83	10.00	6.15	5.09	7.20	5.96	8.20	6.79	9.80	8.11
Pond B	0.90	0.44				2.33		2.72		3.11	9.80	3.89
Total Q		24.89 AC.				137.66		161.16		183.55		219.54

OFF-SITE DRAINAGE

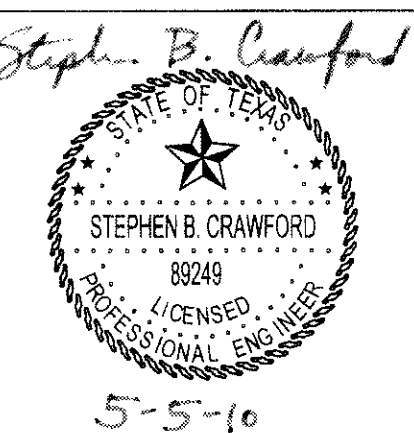
Drainage Area	Runoff Coefficient	Area (Acres) "A"	Total "CA"	Time of Concentration (Min)	Intensity (in/hr) I 5	Discharge (cfs) Q 5	Intensity (in/hr) I 10	Discharge (cfs) Q 10	Intensity (in/hr) I 25	Discharge (cfs) Q 25	Intensity (in/hr) I 100	Discharge (cfs) Q 100
O-1	0.90	0.26	0.23	10.00	6.15	1.60	7.20	1.68	8.20	1.92	9.80	2.29

ROCKWALL COUNTY
COURTHOUSE
 ROCKWALL COUNTY
 ROCKWALL, TEXAS



Revision No.	Date	Description
1	04/08/2010	SITE PLAN REVISIONS
2	04/13/2010	ADD OFF-SITE DRAINAGE
3	05/05/2010	CITY COMMENTS

RECORD DRAWING
 APRIL 2011
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 RECORD DRAWING SUBMITTAL



Project No.: 26244
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 Checked By: SBC
 Scale: AS NOTED
 Sheet Title: PROPOSED DRAINAGE AREA CALCULATIONS
C5.02B
 Sheet Number