

RUNOFF CALCULATIONS

AREA NUM.	AREA (AC.)	RUNOFF COEFF. "C"	DESIGN STORM FREQ. (YEAR)	TIME OF CONC. (MIN.)	INTENSITY (IN./HR.)	Q= CIA (C.F.S.)	REMARKS
A1	0.74	0.50	100	10.00	9.80	3.63	SINGLE FAMILY RESIDENTIAL
A2	1.30	0.50	100	10.00	9.80	6.37	SINGLE FAMILY RESIDENTIAL
A2b	0.01	0.90	100	10.00	9.80	0.09	COMMERCIAL BUSINESS
A3	0.28	0.90	100	10.00	9.80	2.47	COMMERCIAL BUSINESS
A4	2.30	0.58	100	10.00	9.80	13.07	COMM. BUS. / SF RESIDENTIAL
A5	0.36	0.90	100	10.00	9.80	3.18	St. Mary's
A6	0.23	0.90	100	10.00	9.80	2.03	Clark St
A7	0.32	0.90	100	10.00	9.80	2.82	COMM. BUS. / SF RESIDENTIAL
A8-1	0.11	0.90	100	10.00	9.80	0.97	Clark St.
A8-2	0.10	0.90	100	10.00	9.80	0.88	Clark St.
A9-1	0.16	0.90	100	10.00	9.80	1.41	COMM. BUS. / SF RESIDENTIAL
A9-2	0.10	0.90	100	10.00	9.80	0.88	Clark St.
A10	42.55	0.50	100	20.00	8.30	176.58	SINGLE FAMILY RESIDENTIAL
A11	61.51	0.50	100	20.00	8.30	255.27	SINGLE FAMILY RESIDENTIAL
B1	0.32	0.90	100	10.00	9.80	2.82	Storrs St.
B2	0.57	0.90	100	10.00	9.80	5.03	Storrs St.
B3	0.65	0.50	100	10.00	9.80	3.19	SINGLE FAMILY RESIDENTIAL
B4	1.04	0.50	100	10.00	9.80	5.10	SINGLE FAMILY RESIDENTIAL
B5	1.09	0.50	100	10.00	9.80	5.34	SINGLE FAMILY RESIDENTIAL
B6	2.23	0.50	100	10.00	9.80	10.93	SINGLE FAMILY RESIDENTIAL
B7	0.72	0.90	100	10.00	9.80	6.35	Munson St.
B8	0.13	0.90	100	10.00	9.80	1.15	Clark St.
B9	1.06	0.50	100	10.00	9.80	5.19	SINGLE FAMILY RESIDENTIAL
B10	0.39	0.90	100	10.00	9.80	3.44	Clark St.
B11	22.31	0.50	100	20.00	8.30	92.59	SINGLE FAMILY RESIDENTIAL
C1	1.17	0.50	100	10.00	9.80	5.73	SINGLE FAMILY RESIDENTIAL
C2	0.10	0.90	100	10.00	9.80	0.88	Clark St.
C3	0.29	0.90	100	10.00	9.80	2.56	W. Washington St.
C4	6.40	0.56	100	10.00	9.80	35.24	COMM. BUS. / SF RESIDENTIAL
C5	0.10	0.90	100	10.00	9.80	0.88	W. Washington St.
C6	1.03	0.50	100	10.00	9.80	5.05	SINGLE FAMILY RESIDENTIAL
D1	2.53	0.65	100	10.00	9.80	16.20	W. Rusk St.
D2	0.26	0.90	100	10.00	9.80	2.29	W. Rusk St.
E1	1.00	0.50	100	10.00	9.80	4.90	SINGLE FAMILY RESIDENTIAL
E2	0.56	0.68	100	10.00	9.80	3.72	COMM. BUS. / SF RESIDENTIAL
E3A	1.43	0.50	100	20.00	8.30	5.93	SINGLE FAMILY RESIDENTIAL
E3B	11.31	0.50	100	20.00	8.30	46.94	SINGLE FAMILY RESIDENTIAL
E3C	12.26	0.50	100	20.00	8.30	50.88	SINGLE FAMILY RESIDENTIAL
E4	8.88	0.50	100	10.00	9.80	43.51	SINGLE FAMILY RESIDENTIAL
E5	0.92	0.50	100	10.00	9.80	4.51	SINGLE FAMILY RESIDENTIAL
E6	0.91	0.50	100	10.00	9.80	4.46	SINGLE FAMILY RESIDENTIAL
E7	0.45	0.90	100	10.00	9.80	3.97	Clark St.
E8	1.92	0.35	100	10.00	9.80	6.59	Open
E9	4.58	0.48	100	10.00	9.80	21.54	School / Open
F1	0.98	0.60	100	10.00	9.80	5.76	SINGLE FAMILY RESIDENTIAL
F2	3.26	0.50	100	10.00	9.80	15.97	SINGLE FAMILY RESIDENTIAL
F3	2.57	0.50	100	10.00	9.80	12.59	SINGLE FAMILY RESIDENTIAL

H:\ROCKWALL\2003120\PLAN-SHEETS\2003120-RUNOFF.DWG SCALE: 1"=20' BLOCKS: ROCKWALL\2003120.V.V. XREF: ROCKWALL\2003120.V.V. 08/04/04 LBS

REVISED TO CONFORM
 TO CONSTRUCTION RECORDS
 BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
 BIDDING, CONSTRUCTION,
 AND PERMIT PURPOSES.
Matthew Hickey
 DATE: 8/2/04



CITY OF ROCKWALL, TEXAS CLARK STREET STORM SEWER RUNOFF CALCULATIONS BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS Dallas, Texas	
DESIGNED BY: <u>M.H.</u> DRAWN BY: <u>L.B.S.</u>	PROJECT: <u>2003-120</u> DATE: <u>AUGUST, 2004</u>
SHEET NO. <u>57</u> OF <u>X</u> SHEETS	