

**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	1.52	0.90	100	10.00	9.80	13.41	COMMERCIAL
A2	0.15	0.90	100	10.00	9.80	1.32	COMMERCIAL
A3	0.72	0.80	100	10.00	9.80	5.64	COMM. BUS. / SF RESIDENTIAL
A4A	0.87	0.73	100	10.00	9.80	6.22	COMM. BUS. / SF RESIDENTIAL
A4B	0.46	0.50	100	10.00	9.80	2.25	SF RESIDENTIAL
A5A	0.12	0.90	100	10.00	9.80	1.06	ROADWAY
A5B	0.20	0.90	100	10.00	9.80	1.76	ROADWAY
A6	0.95	0.50	100	10.00	9.80	4.66	SINGLE FAMILY RESIDENTIAL
A7	0.67	0.50	100	10.00	9.80	3.28	COMM. BUS. / SF RESIDENTIAL
A8	0.37	0.50	100	10.00	9.80	1.81	SINGLE FAMILY RESIDENTIAL
A9	0.45	0.90	100	10.00	9.80	3.97	ROADWAY
A10	0.28	0.90	100	10.00	9.80	2.47	ROADWAY
A11	2.57	0.50	100	10.00	9.80	12.59	SINGLE FAMILY RESIDENTIAL
B1	0.43	0.90	100	10.00	9.80	3.79	COMMERCIAL
B2	0.41	0.90	100	10.00	9.80	3.62	COMMERCIAL
B3	0.83	0.90	100	10.00	9.80	7.32	COMMERCIAL
B4	1.67	0.67	100	10.00	9.80	10.89	COMM. BUS. / SF RESIDENTIAL
B5	0.09	0.90	100	10.00	9.80	0.79	ROADWAY
B6A	0.09	0.90	100	10.00	9.80	0.79	ROADWAY
B6B	0.88	0.50	100	10.00	9.80	4.31	SINGLE FAMILY RESIDENTIAL
B7A	0.23	0.90	100	10.00	9.80	2.03	ROADWAY
B7B	0.29	0.90	100	10.00	9.80	2.56	ROADWAY
C1A	0.26	0.90	100	10.00	9.80	2.29	COMM. BUS.
C1B	0.81	0.50	100	10.00	9.80	3.97	SF RESIDENTIAL
C2A	0.09	0.90	100	10.00	9.80	0.79	ROADWAY
C2B	0.23	0.90	100	10.00	9.80	2.03	ROADWAY
C3	2.48	0.50	100	10.00	9.80	12.15	SINGLE FAMILY RESIDENTIAL
D1	0.44	0.90	100	10.00	9.80	3.88	COMMERCIAL
D2	0.05	0.90	100	10.00	9.80	0.44	ROADWAY
OS 1	5.96	0.90	100	15.00	9.00	48.28	COMMERCIAL
OS 2	9.77	0.50	100	20.00	8.20	40.06	SINGLE FAMILY RESIDENTIAL
OS 3	2.20	0.50	100	10.00	9.80	10.78	SINGLE FAMILY RESIDENTIAL

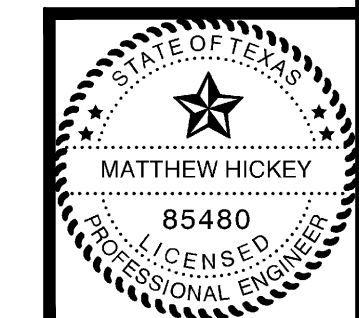
*This record drawing is a compilation of the sealed engineering drawing for this project; modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor or others not associated with the design engineer cannot be verified for accuracy or completeness. This original sealed drawings are on file at the offices of Birkhoff, Hendricks & Conway, L.L.P.*

BY MH DATE 4/25/09

PROP. STORM SEW. LINE "D"  
ST. SEW. & INLETS REMOVED FROM  
PROJECT TO SPEED UP CONSTRUCTION  
(AS PER CITY OF ROCKWALL)

THESE DOCUMENTS ARE FOR  
BIDDING, CONSTRUCTION,  
AND PERMIT PURPOSES.

DATE: 01/19/06



<b>CITY OF ROCKWALL, TEXAS</b>		
<b>FANNIN STREET PROPOSED STORM SEWER CALCULATIONS</b>		
<b>BIRKHOFF, HENDRICKS &amp; CONWAY, L.L.P.</b> CONSULTING ENGINEERS Dallas, Texas		
DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2005-111</u>	SHEET NO. <u>43</u>
DRAWN BY: <u>J.M.</u>	DATE: <u>APRIL, 2006</u>	

PLOTTED BY: GOAVIS ON 4/30/2009  
 PLOT STYLE: ----  
 PLOT SCALE: 1:25849  
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 REVISED: 4/24/09 - GOAVIS