EXISTING STORM SEWER CALCULATIONS

	Runoff Co	llection Point	Distance		Incre	emental C	rainage /	Area	Time of	Concentrat	tion (MIN.)	Design			Actual	Slope of	No	Selected	Вох	Вох	Cor.	Velocity	Upstream I	Minor Loss	es	Flow Time	Time at	
ł	Ttanon oo		Between		Drainage				Inlet	Along	Used in	Storm	Intensity	Runoff	Q from	Hydraulic	of	Storm	Width	Depth	Clip	Between	Upstream	Head Loss	_	1 1	Downstream	
Storm Sewer\	Uostream	Downstream	i			Coeff.	1	i .	1	Sewer Line	e Design	Freq.	(1)	(Q)	Imlet	Gradient	Pipes/	Sewer				Points	Point of Turbulence	Coeff.	Head Loss	(Vel*60)	Station	
Lateral Number	Station	Station	Points	No.	(Ac,)	"C"	"CA"		4	(MIN.)	_		(In./Hr.)	(c.f.s.)	(c.f.s.)	(Ft./Ft.)	Boxes	Pipe Size	(Ft.)	(Ft.)	(ln.)	(f.p.s.)		"K"	(Feet)	(Min.)	(Min.)	
EXIST. BOYDSTUN	270.00	0.00	270.00	OS 1	5.96	0.70	4.17	4.17	15.00	0.00	15.00	100	9.00	37.55		0.0196	1	27.0				9.44				0.48	15.48	EXIST. BOYDSTON STORM SEW FRO POST OFFICE TO FANNIN
ST. MARY POND	345.00	168.00	177.00	OS 2	9.77	0.50	4.89	4.89	20.00	0.00	20.00	100	8.20	40.06		0.0032	2	30.0			. <u>.</u> .	4.08	60 Degree Wye	0.60	0.26	0.72	20.72	
SI. MART PUND	168.00	0.00	168.00	A1-A11; B1-B7; OS 1 - OS 3	 	0.66	21.24	26.12	20.00	0.72	20.72	100	8.15	212.91		0.0055	2	48.0				8.47				0.33	21.05	
														1		ĺ				1								

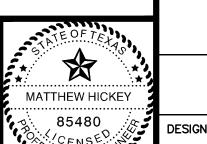
This record drawing is a compilation of the sealed engineering drawing for this project; modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor or others not associated with the design engineer cannot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

BY <u>MH</u> DATE <u>4/25/09</u>

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES. Watthen Like x

DATE: 0/19106





CITY OF ROCKWALL, TEXAS

FANNIN STREET PROPOSED STORM SEWER CALCULATIONS

APRIL, 2006

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.

CONSULTING ENGINEERS

Dallas, Texas

PROJECT: 2005-111 SHEET NO. DESIGNED BY: M.H.