

PLOTTED BY: GDAVIS ON 4/30/2009

PLOT STYLE: ----

PLOT SCALE: 1:25849

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REVISED: 4/24/09 - GDAVIS

TYPE INLET	DRAINAGE AREA NO.	INLET NUMBER	LOCATION	TOTAL AREA (Acres)	AREA BY "C" FACTOR			TOTAL CA	TIME OF CONCEN. (min)	STORM YEAR	INT. (in/hr)	TOTAL RUNOFF Q <sub>a</sub> (cfs)	CARRYOVER		ADDED CARRY- OVER (cfs)	TOTAL Q <sub>a</sub> (cfs)	ROADWAY CROSS SLOPE (ft/ft)	Z	Z/N	GUTTER SLOPE "S" (%)	"Y" CHECK FOR SAG (in.)	DEPTH GUT. FLOW Y (ft)	PONDED WIDTH Y * Z (ft)	DROP AT INLET A (ft)	Q <sub>L</sub> (cfs/ft)	INLET LENGTH		L ---	A ---	Q ---	CARRY- OVER (cfs)	Q Captured by Inlet (cfs)	REMARKS					
					RDWY. C=	COMM. C=	RES. C=						FROM	CFS												FROM	CFS							REQD. L (ft)	SELEC. L (ft)			
CURB	A1	A1	FANNIN 0+65 LT	1.52		1.52		1.37	10.00	100	9.80	13.41				13.41	4" Parabolic																					
CURB	A2	A2	FANNIN 1+75 LT	0.15		0.15		0.14	10.00	100	9.80	1.32	A1	0.61		0.61	1.93	0.0303	33	1886	2.25		0.19	6.32	0.25	0.36	5.37	5	0.93	1.31	0.96	0.09	1.85			SEE Y INLET CALCULATIONS		
CURB	A3	A3	POST OFFICE DRIVE	0.72		0.54	0.18	0.58	10.00	100	9.80	5.64				5.64	0.0303	33	1886	1.30		0.32	10.48	0.25	0.47	12.12	10	0.83	0.79	0.90	0.54	5.10			Existing Postoffice Driveway 10' Inlet			
CURB	A4-A			0.87	0.50		0.37	0.64	10.00	100	9.80	6.22	A3	0.54	A2	0.09	0.63	6.85	0.0303	33	1886	2.25		0.31	10.16													
CURB	A4-B			0.46			0.46	0.23	10.00	100	9.80	2.25				2.25	0.0303	33	1886	0.88		0.24	7.99															
CURB	A4-A & A4-B	A4	FANNIN 2+40 LT	1.33	0.50		0.83	0.87	10.00	100	9.80	8.48	A3	0.54	A2	0.09	0.63	9.10	0.0303	33	1886	SAG	3.20	0.27	8.80	0.25	1.15	7.94	20	2.52	0.94	1.00	-	9.10				
CURB	A5A			0.12	0.12			0.11	10.00	100	9.80	1.06				1.06	0.0303	33	1886	2.25		0.15	5.05															
CURB	A5B			0.20	0.20			0.18	10.00	100	9.80	1.76				1.76	0.0303	33	1886	0.88		0.22	7.29															
CURB	A5-A & A5-B	A5	FANNIN 2+40 RT	0.32	0.32			0.29	10.00	100	9.80	2.82				2.82	0.0303	33	1886	SAG	2.40	0.20	6.60	0.25	0.93	3.03	10	3.30	1.25	1.00	-	2.82			SAG INLET			
CURB	A6	A6	ST. MARY PLACE LT	0.95			0.95	0.48	10.00	100	9.80	4.66				4.66	0.0208	48	2747	6.22		0.19	9.19	0.25	0.36	12.97	15	1.16	1.31	1.00	-	4.66			SAG INLET			
CURB	A7	A7	ST. MARY PLACE RT	0.67			0.67	0.34	10.00	100	9.80	3.28				3.28	0.0208	48	2747	6.22		0.17	8.06	0.25	0.34	9.65	10	1.04	1.49	1.00	-	3.28						
CURB	A8	A8	FANNIN 4+20 LT	0.37			0.37	0.19	10.00	100	9.80	1.81				1.81	0.0303	33	1886	0.88		0.22	7.36	0.25	0.38	4.71	5	1.06	1.12	1.00	-	1.81						
CURB	A9	A9	FANNIN 4+95 LT	0.45	0.45			0.41	10.00	100	9.80	3.97				3.97	0.0303	33	1886	0.50		0.33	10.98	0.25	0.48	8.28	10	1.21	0.75	1.00	-	3.97						
CURB	A10	A10	SAINT MARY ST. LT	0.28	0.28			0.25	10.00	100	9.80	2.47				2.47	0.0208	48	2747	6.00		0.15	7.30	0.25	0.33	7.53	10	1.33	1.65	1.00	-	2.47						
CURB	B1	B1	FANNIN 6+85 LT	0.43		0.43		0.39	10.00	100	9.80	3.79				3.79	0.0303	33	1886	0.72		0.31	10.08	0.25	0.46	8.33	10	1.20	0.82	1.00	-	3.79						
CURB	B2	B2	FANNIN 7+85 LT	0.41		0.41		0.37	10.00	100	9.80	3.62				3.62	0.0303	33	1886	0.72		0.30	9.90	0.25	0.45	8.03	10	1.25	0.83	1.00	-	3.62						
CURB	B3	B3	FANNIN 9+26 LT	0.83		0.83		0.75	10.00	100	9.80	7.32				7.32	0.0303	33	1886	0.72		0.39	12.90	0.25	0.53	13.74	15	1.09	0.64	1.00	-	7.32						
CURB	B4	B4	STORRS LT	1.67		0.69	0.98	1.11	10.00	100	9.80	10.89				10.89	0.0208	48	2747	4.88		0.28	13.23	0.25	0.43	25.38	20	0.79	0.91	0.87	1.39	9.50						
CURB	B5	B5	STORRS RT	0.09		0.09		0.08	10.00	100	9.80	0.79				0.79	0.0208	48	2747	4.88		0.10	4.96	0.25	0.29	2.73	5	1.83	2.43	1.00	-	0.79						
CURB	B6-A			0.09	0.09			0.08	10.00	100	9.80	0.79	B4	1.39		1.39	2.18	0.0303	33	1886	0.72		0.25	8.20														
CURB	B6-B			0.88			0.88	0.44	10.00	100	9.80	4.31				4.31	0.0303	33	1886	2.34		0.26	8.48															
CURB	B6	B6	FANNIN 10+17 LT	0.97	0.09		0.88	0.52	10.00	100	9.80	5.11	B4	1.39		1.39	6.50	0.0303	33	1886	SAG	2.70	0.23	7.43	0.25	1.01	6.43	20	3.11	1.11	1.00	-	6.50					
CURB	B7-A			0.23	0.23			0.21	10.00	100	9.80	2.03				2.03	0.0303	33	1886	0.72		0.24	7.97															
CURB	B7-B			0.29	0.29			0.26	10.00	100	9.80	2.56				2.56	0.0303	33	1886	2.34		0.21	6.97															
CURB	B7	B7	FANNIN 10+17 RT	0.52	0.52			0.47	10.00	100	9.80	4.59				4.59	0.0303	33	1886	SAG	2.60	0.22	7.15	0.25	0.98	4.66	15	3.22	1.15	1.00	-	4.59						
CURB	C1-A			0.26		0.26		0.23	10.00	100	9.80	2.29				2.29	0.0303	33	1886	0.50		0.27	8.94	0.25														
CURB	C1-B			0.81			0.81	0.41	10.00	100	9.80	3.97				3.97	0.0151	66	3784	0.92		0.23	15.14	0.25														
CURB	C1	C1	FANNIN 17+25 LT	1.07		0.26	0.81	0.64	10.00	100	9.80	6.26				6.26	0.0303	33	1886	SAG	3.20	0.27	8.80	0.25	1.15	5.46	15	2.75	0.94	1.00	-	6.26						
CURB	C2-A			0.09	0.09			0.08	10.00	100	9.80	0.79				0.79	0.0303	33	1886	0.50		0.18	6.00	0.25														
CURB	C2-B			0.23	0.23			0.21	10.00	100	9.80	2.03				2.03	0.0151	66	3784	0.92		0.18	11.77	0.25														
CURB	C2	C2	FANNIN 17+25 RT	0.32	0.32			0.29	10.00	100	9.80	2.82				2.82	0.0303	33	1886	SAG	2.40	0.20	6.60	0.25	0.93	3.03	10	3.30	1.25	1.00	-	2.82						
GRATE	D1	D1	WASHINGTON (SOUTH)	0.35	0.35			0.32	10.00	100	9.80	3.09				3.09																						6 GRATE INLET
GRATE	D2	D2	WASHINGTON (NORTH)	1.66		1.66		1.49	10.00	100	9.80	14.64				14.64																						6 GRATE INLET
CURB	D3	D3	FANNIN 21+80 LT	0.44		0.44		0.40	10.00	100	9.80	3.88				3.88	0.0303	33	1886	0.50		0.33	10.89	0.25	0.48	8.13	10	1.23	0.76	1.00	-	3.88						
CURB	D4	D4	FANNIN 22+05 RT	0.05	0.05			0.05	10.00	100	9.80	0.44				0.44	0.0303	33	1886	0.50		0.15	4.82	0.25	0.32	1.36	5	3.67	1.71	1.00	-	0.44						

**"Y" Inlet Calculations**

DRAINAGE AREA NO.	INLET NUMBER	SIZE	LOCATION	Q CFS	LENGTH LF	DEPTH H	REMARKS
A11	A11	3' x 3'		12.59	12	0.50	Into Storm Sew A-1
C3	C3	4' x 4'		12.15	16	0.40	Into Lateral C-3

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

*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

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