

STORM DRAIN LINE 'A AND E'

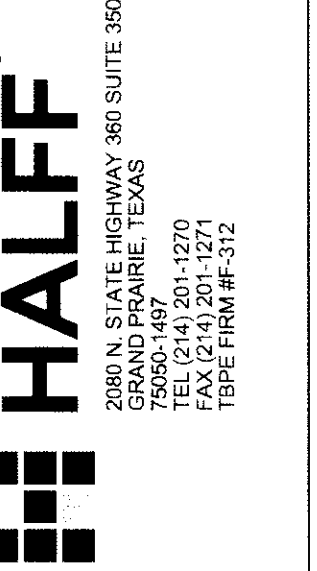
STORM DRAIN																							
LINE	STA.	DESC.	INCREMENTAL AREA ACRES	RUNOFF COEFFICIENT	INTENSITY IN/HR	DIST FT	TOTAL FLOW Q _{tot} CFS	DIA. IN	RISE FT	ROUGHNESS n	PIPE SLOPE S _o %	PIPE CAPACITY Q _{max} CFS	V _{max} Q _{design} /A	V _{partial} FPS	FRICTION SLOPE S _f FT/FT	H _v V _{design} ² /2g	K _i	H FT.	INCOMING PIPE HGL FT	OUTGOING PIPE HGL FT	INCOMING PIPE INVERT FT	OUTGOING PIPE INVERT FT	
LINE A	1+10.20	OUTFALL TO POND				30.00	139.53	54	4.5	0.013	0.67%	160.56	8.77	11.37	0.50%	1.20			558.27		553.00		
	1+40.20	A-1	0.64	0.90	9.80	55.92	133.89	54	4.5	0.013	0.50%	139.05	8.42	9.95	0.46%	1.10	0.40	0.76	559.41	558.65	553.20	553.20	
	1+96.12	C	1.33	0.90	9.80	78.13	122.16	54	4.5	0.013	2.00%	278.10	7.68	16.86	0.38%	0.92	0.40	0.73	560.44	559.71	553.48	553.48	
	2+74.25	45 BEND	0.00	0.90	9.80	128.76	122.16	54	4.5	0.013	1.95%	274.60	7.68	16.64	0.38%	0.92	0.50	0.46	561.20	560.74	555.04	555.04	
	4+03.01	A-2	1.58	0.90	9.80	125.40	108.22	54	4.5	0.013	0.50%	139.05	6.80	9.65	0.30%	0.72	0.40	0.63	562.05	561.70	557.55	557.55	
	5+28.41	45 BEND	0.00	0.90	9.80	13.68	108.22	54	4.5	0.013	0.50%	139.05	6.80	9.65	0.30%	0.72	0.50	0.36	562.88	562.43	558.18	558.18	
	5+42.09	A-3	0.53	0.90	9.80	32.40	103.55	54	4.5	0.013	0.50%	139.05	6.51	9.57	0.28%	0.66	0.40	0.46	562.75	562.72	558.25	558.25	
	5+74.49	B Junction Box	7.39	0.90	9.80	26.16	38.37	33	2.75	0.013	2.50%	83.62	6.46	13.70	0.52%	0.65	0.60	0.27	562.91	562.84	560.16	558.41	
	6+00.65	A-4	0.19	0.90	9.80	83.45	36.69	33	2.75	0.013	1.35%	61.45	6.18	10.75	0.48%	0.59	0.40	0.41	563.57	563.05	560.82	560.82	
	6+84.10	A-5	0.21	0.90	9.80	28.40	34.84	33	2.75	0.013	0.50%	37.40	5.87	7.15	0.43%	0.53	0.40	0.38	564.69	563.96	561.94	561.94	
	7+12.50	Line E	0.43	0.90	9.80	5.00	31.05	33	2.75	0.013	0.50%	37.40	5.23	7.03	0.34%	0.42	0.40	0.36	564.83	564.81	562.08	562.08	
	7+17.50	Pipe Size Change	0.00	0.00	0.00	58.24	31.05	27	2.25	0.013	2.00%	43.80	7.81	11.94	1.00%	0.95	0.40	0.05	564.86	564.85	562.61	562.11	
	7+75.74	A-6	0.43	0.90	9.80	161.46	27.25	27	2.25	0.013	2.00%	43.80	6.85	11.60	0.77%	0.73	0.40	0.65	566.02	565.44	563.77	563.77	
	9+37.20	A-7 In Line Inlet	0.37	0.90	9.80	5.78	23.99	24	2	0.013	1.20%	24.78	7.64	8.99	1.12%	0.91	0.40	0.37	569.25	567.27	567.25	567.00	
	9+42.98	A-8	0.55	0.90	9.80	43.33	19.14	24	2	0.013	1.20%	24.78	6.09	8.67	0.7%	0.58	0.50	0.62	569.32	569.32	567.32	567.32	
	9+86.31	A-9 / A-10	1.09	0.90	9.80	5.00	9.53	24	2	0.013	1.20%	24.78	3.03	7.37	0.18%	0.14	0.60	0.49	569.84	569.63	567.84	567.84	
	9+91.31	Pipe Size Change	0.00	0.00	0.00	58.19	9.53	18	1.5	0.013	1.28%	11.88	5.39	7.45	0.82%	0.45	1.00	-0.31	569.90	569.85	568.40	567.90	
	10+49.50	A-11	1.08	0.90	9.80													125	0.56	570.38		569.15	
LAT A1	1+00.00					10.68	5.64	18	1.5	0.013	5.35%	24.29	3.19	11.05	0.29%	0.16			559.41		554.70		
	1+10.68	45d Bend	0.00	0.90	9.80	79.09	5.64	18	1.5	0.013	5.35%	24.29	3.19	11.05	0.29%	0.16	0.50	0.08	559.52	559.44	555.27	555.27	
	1+87.77	INLET	0.64	0.90	9.80													125	0.20	559.74	559.74	559.50	559.50
LAT A2	1+00.00					62.07	13.94	21	1.75	0.013	6.24%	39.57	5.79	14.84	0.77%	0.52			562.05		558.93		
	1+62.07	INLET	1.58	0.90	9.80													125	0.65	562.53		562.80	
LAT A3	1+00.00					15.00	4.67	18	1.5	0.013	15.00%	40.69	2.65	14.98	0.20%	0.11			562.75		559.75		
	1+15.00	INLET	0.53	0.90	9.80													125	0.14	562.78		562.00	
LAT A4	1+00.00					32.01	1.68	18	1.5	0.013	20.80%	47.91	0.95	12.20	0.03%	0.01			563.57		561.44		
	1+32.01	INLET	0.19	0.90	9.80													125	0.02	563.57		568.10	
LAT A5	1+00.00					26.89	1.85	18	1.5	0.013	22.06%	49.34	1.05	13.21	0.03%	0.02			564.69		562.57		
	1+26.89	INLET	0.21	0.90	9.80													125	0.02	564.70		568.50	
Line E	1+00.00					102.00	3.79	18	1.5	0.013	0.42%	6.78	2.15	3.93	0.13%	0.07			564.83		562.71		
	2+02.00	15 DEGREE BEND	0.00	0.90	9.80	58.00	3.79	18	1.5	0.013	0.42%	6.78	2.15	3.93	0.13%	0.07	0.40	0.04	565.01	564.97	563.13	563.13	
	2+60.00	60 DEGREE BEND	0.00	0.90	9.80	30.00	3.79	18	1.5	0.013	0.42%	6.78	2.15	3.93	0.13%	0.07	0.60	0.03	565.11	565.08	563.38	563.38	
	2+90.00	INLET	0.43	0.90	9.80													125	0.09	565.24	565.15	563.50	
LAT A6	1+00.00					54.57	3.79	18	1.5	0.013	7.97%	29.66	2.15	11.49	0.13%	0.07			566.02		564.15		
	1+54.57	INLET	0.43	0.90	9.80													125	0.09	566.09		568.50	
LAT A8	1+00.00					73.83	4.85	18	1.5	0.013	2.30%	15.93	2.75	7.82	0.2%	0.12			569.25		567.57		
	1+73.83	INLET	0.55	0.90	9.80													125	0.15	569.41		569.27	
LAT A9	1+00.00					9.02	5.56	21	1.75	0.013	4.05%	31.89	2.31	9.90	0.12%	0.08			570.09		568.34		
	1+09.02	INLET	0.63	0.90	9.80													125	0.10	570.11		568.71	
LAT A10	1+00.00					50.31	9.61	21	1.75	0.013	0.75%	13.72	4.00	6.15	0.37%	0.25			569.84		567.97		
	1+50.31	A9	0.63	0.90	9.80	27.75	4.06	18	1.5	0.013	1.32%	12.05	2.30	6.07	0.15%	0.08	0.60	0.20	570.09	570.03	568.59	568.34	
	1+78.06	60D BEND	0.00	0.90	9.80	25.86	4.06	18	1.5	0.013	1.32%	12.05	2.30	6.07	0.15%	0.08	0.60	0.05	570.46	570.14	568.96	568.96	
	2+03.92	INLET	0.46	0.90	9.80													125	0.10	570.50		569.30	

\$PLTDRVSS

\$MODELNAME\$

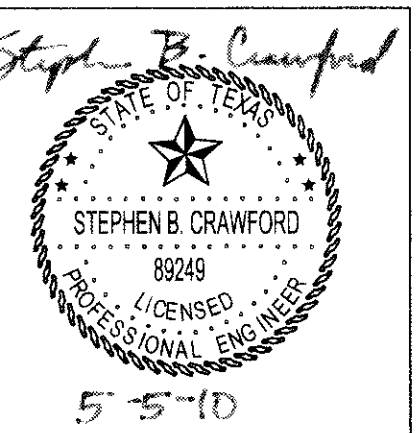
\$DATES \$TIMES \$SUBSECSCLIENTS \$FILES

ROCKWALL COUNTY
COURTHOUSE
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Revision No.	Date	Description
1	04/06/2010	SITE PLAN REVISIONS

RECORD DRAWING
APRIL, 2011
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Project No.:	26244
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