

STORM DRAIN LINE 'B'

LINE	STA.	DESC.	INCREMENTAL AREA	RUNOFF COEFFICIENT	INTENSITY	DIST	TOTAL FLOW	DIA.	RISE	ROUGHNESS	PIPE SLOPE	PIPE CAPACITY	V _{design}	V _{partial}	FRICITION SLOPE	Hv	K _i	H	INCOMING PIPE HGL	OUTGOING PIPE HGL	INCOMING PIPE INVERT	OUTGOING PIPE INVERT
			ACRES		IN/HR	FT	Q _{tot} CFS	IN	FT	n	%	Q _{cap} CFS	Q _{design} /A	FPS	FT/FT	V _{design} ² /2g		FT.	FT	FT	FT	FT
LINE B	1+00.00	CONNECT TO LINE A				113.60	65.18	54	4.5	0.012	110%	223.43	4.10	12.02	0.09%	0.26			562.91		558.51	
	2+13.60	B-1	0.28	0.90	9.80	5.00	62.71	54	4.5	0.012	105%	218.29	3.94	11.74	0.09%	0.24	0.40	0.16	564.26	563.02	559.76	559.76
	2+18.60	Pipe Size Change	0.00	0.00	0.00	97.12	62.71	48	4	0.012	105%	159.45	4.99	11.86	0.16%	0.39	0.50	0.05	564.31	564.27	560.31	559.81
	3+15.72	B-2 / ROOF DRAIN	0.63	0.90	9.80	168.24	57.15	48	4	0.012	0.63%	123.51	4.55	9.57	0.13%	0.32	0.40	0.11	565.33	564.47	561.33	561.33
	4+83.96	45 BEND	0.00	0.90	9.80	6.17	57.15	48	4	0.012	0.63%	123.51	4.55	9.57	0.13%	0.32	0.50	0.16	566.39	565.56	562.39	562.39
	4+90.13	ROOF DRAIN	0.15	0.90	9.80	55.82	55.83	48	4	0.012	0.61%	121.53	4.44	9.41	0.13%	0.31	0.40	0.22	566.43	566.40	562.43	562.43
	5+45.95	B-3 / B-4	1.06	0.90	9.80	38.42	46.48	48	4	0.012	0.40%	98.42	3.70	7.69	0.09%	0.21	0.40	0.11	566.77	566.50	562.77	562.77
	5+84.37	45 BEND	0.00	0.90	9.80	54.72	46.48	48	4	0.012	0.40%	98.42	3.70	7.69	0.09%	0.21	0.40	0.15	566.93	566.81	562.93	562.93
	6+39.09	B-5	0.67	0.90	9.80	36.92	40.57	48	4	0.012	0.40%	98.42	3.23	7.40	0.07%	0.16	0.40	0.15	567.15	566.97	563.15	563.15
	6+76.01	MANHOLE	0.00	0.90	9.80	55.47	40.57	36	3	0.012	0.40%	45.70	5.74	7.30	0.31%	0.51	0.40	-0.04	567.29	567.17	564.29	563.29
	7+31.48	ROOF DRAIN	0.34	0.90	9.80	87.65	37.57	36	3	0.012	0.60%	55.97	5.32	8.44	0.27%	0.44	0.40	0.34	567.51	567.47	564.51	564.51
	8+19.13	B-6	0.17	0.90	9.80	54.69	36.07	33	2.75	0.012	0.60%	44.38	6.07	8.31	0.39%	0.57	0.40	0.21	568.04	567.75	565.29	565.04
	8+73.82	B-7	0.27	0.90	9.80	14.73	33.69	33	2.75	0.012	0.60%	44.38	5.67	8.21	0.34%	0.50	0.40	0.37	568.37	568.26	565.62	565.62
	8+88.55	B-8 / B-9	1.19	0.90	9.80	21.88	23.20	33	2.75	0.012	0.50%	40.51	3.91	7.04	0.16%	0.24	0.50	0.38	568.46	568.42	565.71	565.71
	9+10.43	B-10 / B-11	1.05	0.90	9.80	5.00	13.94	33	2.75	0.012	0.50%	40.51	2.35	6.15	0.06%	0.09	0.60	0.19	568.57	568.49	565.82	565.82
	9+15.43	Change Pipe Size	0.00	0.00	0.00	81.39	13.94	24	2	0.012	0.50%	17.33	4.44	6.11	0.32%	0.31	1.00	-0.22	568.59	568.57	566.59	565.84
	9+96.82	B-12	0.15	0.90	9.80	86.30	12.61	24	2	0.012	0.50%	17.33	4.01	6.01	0.26%	0.25	0.40	0.21	569.00	568.85	567.00	567.00
	10+83.12	B-13	1.43	0.90	9.80														569.23		567.43	
LAT B1	1+00.00					24.00	2.47	18	15	0.012	20.16%	51.10	1.40	14.32	0.05%	0.03			564.26		561.26	
	1+24.00	INLET	0.28	0.90	9.80														564.27	564.27		566.10
LAT B2	1+00.00					40.15	3.79	18	15	0.012	13.49%	41.80	2.15	14.55	0.11%	0.07			565.33		562.83	
	1+40.15	INLET	0.43	0.90	9.80														565.38		568.25	
LAT B3	1+00.00					21.39	4.94	18	15	0.012	11.49%	38.57	2.80	14.94	0.19%	0.12			566.77		564.02	
	1+21.39	INLET	0.56	0.90	9.80														566.81		566.48	
LAT B4	1+00.00					192.85	4.41	21	1.75	0.012	0.80%	15.35	1.83	5.46	0.07%	0.05			566.77		563.90	
	2+92.85	B3	0.50	0.90	9.80														566.90	566.90		565.44
LAT B5	1+00.00					177.26	5.91	24	2	0.012	0.72%	20.78	1.88	5.66	0.06%	0.05			567.15		564.15	
	2+77.26	INLET	0.67	0.90	9.80														567.25		565.42	
LAT B7	1+00.00					35.38	2.38	18	15	0.012	7.08%	30.29	1.35	9.90	0.04%	0.03			568.37		566.24	
	1+35.38	INLET	0.27	0.90	9.80														568.38		568.75	
LAT B8	1+00.00					141.10	5.47	24	2	0.012	0.49%	17.22	1.74	4.82	0.05%	0.05			568.64		566.32	
	2+41.10	INLET	0.62	0.90	9.80														568.71		567.02	
LAT B9	1+00.00					40.14	10.50	24	2	0.012	0.60%	19.01	3.34	6.20	0.18%	0.17	0.50	0.11	568.46		566.08	
	1+40.14	B8	0.62	0.90	9.80	137.38	5.03	18	1.5	0.012	0.60%	8.83	2.85	5.15	0.19%	0.13	0.40	0.11	568.64	568.53	566.82	566.32
	2+77.52	INLET	0.57	0.90	9.80														569.06	568.91		567.15
LAT B10	1+00.00					8.96	5.38	18	1.5	0.012	7.82%	31.82	3.04	13.18	0.22%	0.14			569.65		567.50	
	1+08.96	INLET	0.61	0.90	9.80														569.67		568.20	
LAT B11	1+00.00					105.80	9.26	18	1.5	0.012	1.00%	11.38	5.24	7.16	0.66%	0.43	0.60	0.38	569.65	569.26	567.50	567.50
	2+05.80	B10	0.61	0.90	9.80	31.45	3.88	18	1.5	0.012	4.63%	24.49	2.20	9.93	0.12%	0.07	0.60	0.04	570.46	569.68	568.96	568.96
	2+37.25	60 BEND	0.00	0.90	9.80	17.15	3.88	18	1.5	0.012	4.63%	24.49	2.20	9.93	0.12%	0.07	1.25	0.09		570.48		569.75
	2+54.40	INLET	0.44	0.90	9.80														569.00		567.25	
LAT B12	1+00.00					7.36	1.32	18	1.5	0.012	23.80%	55.51	0.75	12.60	0.01%	0.01						569.00
	1+07.36	INLET	0.15	0.90	9.80															569.00		569.00

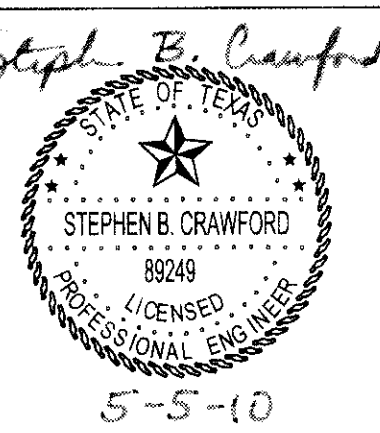
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Revision No.	Date	Description
1	04/06/2010	SITE PLAN REVISIONS

RECORD DRAWING
APRIL, 2011
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RECORD DRAWING SUBMITTAL



Project No.: 26244
Issued: APRIL 2011
Drawn By: BJG
Checked By: SBC
Scale: AS NOTED

Sheet Title
STORM DRAIN CALCULATIONS

C5.09
Sheet Number

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