

	AREA & FLOW COMPUTATIONS											
Area	Co	llection Point	Area	Wtd. C	CA	Tc	I ₁₀	Q ₁₀	1 ₁₀₀	Q ₁₀₀		
No.	Туре	Location	(acres)	With. C		(min)	(in/hr)	(cfs)	(in/hr)	(cfs)		
A1	20' std curb inlet	Stm Line A Sta 2+92.50	2.89	0.5	1.45	10.00	7.20	10.40	9.80	14.16		
A2	10' sag inlet	Stm Line A Sta 0+49.94	6.22	0.5	3.11	10.00	7.20	22.39	9.80	30.48		

INLET	
A1	
A2	

	H,						
STATION FROM TO -0+40.00 0+00.00 0+00.00 0+49.94 0+49.94 2+92.50							
TO							
0+00.00							
0+49.94							
2+92.50							
	TO 0+00.00 0+49.94						

		1	12/17/14	RECORD DRAWINGS
	RECORD			
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	RUNOFF			TOTAL GUTTE					CURB INLET DESIGN				
LOCATION			CARRY	GUTTER	SLOPE	CROWN TYPE	GUTTER						CARRY
LOCATION	DA	Qa	OVER	FLOW	S		CAPACITY	INLET TYPE	L re qd	Lact	L/	Q _{cap}	OVER
	NO	(cfs)	(cfs)	(cfs)	(ft/ft)		(cfs)		(ft)	(ft)	Lreq	(cfs)	(cfs)
Stm Line A Sta 2+92.50	A1	14.16	0.00	14.16	0.030	28' Parabolic	22.500	std ongrade curb	21	20	-	13.70	0.46
Stm Line A Sta 0+49.94	A2	30.48	0.46	30.94	0.005	28' Parabolic	22.500	rec sag curb	10	10	-	31.00	0.00

	STORM SEWER LINE A												
DRAULIC PIPE PIPE PIPE FLOWLINE ELEVATION HGL HGL ELEVATION FULL-FLOW ACTUAL VEL												/ELOCITY	
ENGTH	Q ₁₀	Q ₁₀₀	DIAMETER	LENGTH	SLOPE	D/S	U/S	SLOPE	D/S	U/S	CAPACITY	V ₁₀	V ₁₀₀
(ft)	(cfs)	(cfs)	(in)	(ft)	(%)	(ft)	(ft)	(%)	(ft)	(ft)	(cfs)	(ft/s)	(ft/s)
40.00	32.80	44.64	21.00	36.00	19.81	467.38	474.51	7.89	471.00	474.16	67.08	13.63	18.56
49.94	32.80	44.64	27.00	45.94	2.26	474.51	475.55	2.07	475.14	476.17	44.81	11.03	11.75
242.56	10.40	13.70	21.00	242.56	4.01	476.05	485.78	0.74	476.27	478.07	31.82	10.21	11.11

