



**STORM SEWER COMPUTATION SHEET**

SHT  
1

2 Yr Design Storm n= 0.013

Project: Light Bridge  
Job No.: 2023-1033  
Intensity Reference: Columbus

Date: 3/29/24  
By: JTS  
Checked: KSB

Revised:  
Revised:

Struc.	Struc. Index	Sta.	Drainage Area				Time		Intensity in/hr	Des Q CFS	Length ft.	Dia. In	Slope%	Vel	Cap. Flowing Full	Status	In	Out	TC	Remarks	5 YEAR HYDRAULIC GRADE LINE				
			Trib	Cumul.	C	Cumul CA	Delta t Min.	Sum t Min.													5 Yr Rainfall Intensity	Discharge Q	Slope %	Minor Losses	5 Yr HGL w/o minor losses
Ex 27		4+76.50	0.47	0.47	0.93		10.00	3.91	1.71	161.82	12	0.44%	3.0	2.4	OK	864.17		866.99	1.65 ft. cover 2.82 ft. depth	4.74	2.07	0.3370	-	865.40	
			0.00		0.93	0.44													DROP					ok	
Ex 26		3+14.68	0.21	0.99	0.93		0.89	10.89	3.46	59.36	18	0.19%	2.6	4.5	OK	863.24	863.45	867.14	2.19 ft. cover 3.90 ft. depth	4.57	4.21	0.1594	-	864.86	
			0.31		0.93	0.92													DROP					ok	
Ex 25		2+55.32	0.20	1.19	0.90		0.39	11.28	3.70	76.01	18	0.26%	3.0	5.4	OK	863.13	863.13	866.93	2.09 ft. cover 3.80 ft. depth	4.50	4.95	0.2208	-	864.76	
			0.00		0.90	1.10													DROP					ok	
Ex 24		1+79.31	0.22	1.71	0.90		0.42	11.69	3.64	29.21	24	0.24%	3.5	11.0	OK	862.46	862.93	867.41	2.70 ft. cover 4.95 ft. depth	4.42	6.94	0.0935	-	864.60	
			0.30		0.90	1.57													DROP					ok	
2		1+50.10	0.04	1.75	0.90		0.14	11.83	3.62	89.77	24	0.24%	3.5	11.0	OK	862.39	862.39	867.29	2.65 ft. cover 4.90 ft. depth	4.40	7.06	0.0968	-	864.57	
			0.00		0.90	1.60													DROP					ok	
Ex 23		0+60.33	0.33	2.37	0.90		0.43	12.26	3.56	60.33	24	0.20%	3.2	10.1	OK	862.11	862.18	866.78	2.35 ft. cover 4.67 ft. depth	4.32	9.35	0.1700	-	864.48	
			0.29		0.90	2.16													DROP					ok	
Ex HW3		0+00.00	0.00	2.37	0.90		0.31	12.57	3.51	0.01	24	0.20%	3.2	10.1	OK	861.99	861.99		-864.24 ft. cover -861.99 ft. depth	4.27	9.24	0.1660	-	864.38	
			0.00		0.90	2.16													DROP					problem	
1		1+26.19	0.16	0.16	0.90		10.00	10.00	3.91	62.28	12	0.45%	3.1	2.4	OK	862.41		866.80	3.22 ft. cover 4.39 ft. depth	4.74	0.68	0.0366	-	864.46	
			0.00		0.90	0.14													DROP					ok	
Ex 28		0+63.91	0.23	1.66	0.90		0.34	10.34	3.85	63.91	24	0.30%	4.0	12.4	OK	862.13	862.13	866.83	2.45 ft. cover 4.70 ft. depth	4.68	6.98	0.0948	-	864.44	
			1.27		0.90	1.49													DROP					ok	
HW4		0+00.00	0.00	1.66	0.00		0.27	10.61	3.81	0.01	24	0.20%	3.2	10.1	OK	861.94	861.94		-864.19 ft. cover -861.94 ft. depth	4.62	6.91	0.0927	-	864.38	
			0.00		0.00	1.49													DROP					problem	