



STORM SEWER COMPUTATION SHEET

SHT
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Project: **Dublin HS Additions & Renovations**
 Job No.: **2021-1301**
 Intensity Reference: **Columbus**

Date: 1/10/23
 By: **JTW**
 Checked:

Revised:
 Revised:

2 Yr Design Storm n= **0.012**

5 YEAR HYDRAULIC GRADE LINE

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 Yr Rainfall Intensity	Discharge Q	Slope %	Minor Losses	5 Yr HGL <i>w/o minor losses</i>			
			Trib	Cumul.	C	Cumul CA	Delta t Min.	Sum t Min.																				
6		1+88.67	0.10	0.10	0.90		10.00	10.00	3.91	0.35									901.00	904.50	1.00	DROP						
			0.00		0.90	0.09					18.68	12	0.40%	3.1	2.4	OK						2.33 ft. cover 3.50 ft. depth	4.74	0.43	0.0122	-	902.20	
5		1+69.99	0.02	0.27	1.00		0.10	10.10	3.89	1.01									899.93	900.93	904.58	1.00	DROP					
			0.15		1.00	0.26					37.83	12	0.40%	3.1	2.4	OK							2.48 ft. cover 4.65 ft. depth	4.72	1.23	0.1007	-	902.20
4		1+32.16	0.00	0.27	1.00		0.20	10.30	3.86	1.00									899.78	899.78	904.74	0.00	DROP					
			0.00		1.00	0.26					90.67	12	0.40%	3.1	2.4	OK							3.79 ft. cover 4.96 ft. depth	4.68	1.22	0.0990	-	902.16
3		0+41.49	0.00	0.27	1.00		0.48	10.79	3.78	0.98									899.42	899.42	904.75	0.00	DROP					
			0.00		1.00	0.26					41.49	12	0.40%	3.1	2.4	OK							4.16 ft. cover 5.33 ft. depth	4.59	1.19	0.0950	-	902.07
2		0+00.00	0.00	0.27	1.00		0.22	11.01	3.74	0.97									899.25	899.25	905.94	0.00	DROP					
			0.00		1.00	0.26																	5.52 ft. cover 6.69 ft. depth	4.55	1.18	#DIV/0!	-	902.03
																					904.74	0.00						
7		0+25.64	0.15	0.15	0.90		10.00	10.00	3.91	0.53									900.98		904.50	0.10	DROP					
			0.00		0.90	0.14					25.64	12	0.40%	3.1	2.4	OK							2.35 ft. cover 3.52 ft. depth	4.74	0.64	0.0274	-	902.20
5		0+00.00	0.02	0.27	1.00		0.14	10.14	3.88	0.99									900.78	900.88	904.58	0.10	DROP					
			0.10		1.00	0.26																	2.53 ft. cover 3.80 ft. depth	4.72	1.20	#DIV/0!	-	902.20

