

2" Diameter IPGC Pipe - Schedule 40 PVC 20" Square Catch Basin	
Overall Outer Dimensions	
Length	20 Inches
Width	20 Inches
# of Open Slits	75
Open Area per Slit	0.363 In ²
Total Open Slit Area	27.233 In ²



Catch Basin - Pipe Conveyance	
Total Pipe Conveyance Area for Catch Basin	
2-2" Pipes to Tee	6.28 In ²
	0.044 Ft ²

Flowrate		Ponding Depth at Catch Basin		Recommended Discharge Pipe Sizes from Catch Basin		
(GPM)	(CFS)	(In)	(Feet)	Install pipe size listed at indicated slope or steeper.		
5.00	0.011	1.20	0.10	2" at > 0.12%	3" at > 0.01%	4" at > 0.003%
10.00	0.022	1.46	0.12	2" at > 0.47%	3" at > 0.05%	4" at > 0.012%
15.00	0.033	1.79	0.15	2" at > 1.06%	3" at > 0.12%	4" at > 0.026%
20.00	0.045	2.19	0.18	2" at > 1.88%	3" at > 0.22%	4" at > 0.047%
25.00	0.056	2.65	0.22	2" at > 2.94%	3" at > 0.34%	4" at > 0.073%
30.00	0.067	3.18	0.27	2" at > 4.24%	3" at > 0.49%	4" at > 0.11%
35.00	0.078	3.78	0.32	2" at > 5.77%	3" at > 0.66%	4" at > 0.14%
40.00	0.089	4.45	0.37	2" at > 7.53%	3" at > 0.87%	4" at > 0.19%
45.00	0.100	5.19	0.43	2" at > 9.54%	3" at > 1.10%	4" at > 0.24%
50.00	0.111	5.99	0.50	3" at > 1.35%	4" at > 0.29%	6" at > 0.034%
55.00	0.123	6.86	0.57	3" at > 1.64%	4" at > 0.35%	6" at > 0.041%
60.00	0.134	7.80	0.65	3" at > 1.95%	4" at > 0.42%	6" at > 0.048%
65.00	0.145	8.80	0.73	3" at > 2.29%	4" at > 0.49%	6" at > 0.057%
70.00	0.156	9.87	0.82	3" at > 2.65%	4" at > 0.57%	6" at > 0.066%
75.00	0.167	11.02	0.92	3" at > 3.05%	4" at > 0.66%	6" at > 0.076%
80.00	0.178	12.22	1.02	3" at > 3.47%	4" at > 0.75%	6" at > 0.086%

