

**3" Diameter IPGC Pipe - Schedule 40 PVC
30" Square Catch Basin**

| | |
|---------------------------------|------------------------|
| Overall Outer Dimensions | |
| Length | 30 Inches |
| Width | 30 Inches |
| # of Open Slits | 106 |
| Open Area per Slit | 0.387 In ² |
| Total Open Slit Area | 40.969 In ² |



| | |
|--------------------------------------------|-----------------------|
| Catch Basin - Pipe Conveyance | |
| Total Pipe Conveyance Area for Catch Basin | |
| 2-3" Pipes to Tee | 14.14 In ² |
| | 0.098 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. | | |
| 10.00 | 0.022 | 1.67 | 0.14 | 3" at > 0.05% | 4" at > 0.012% | 6" at > 0.001% |
| 20.00 | 0.045 | 1.89 | 0.16 | 3" at > 0.22% | 4" at > 0.047% | 6" at > 0.005% |
| 30.00 | 0.067 | 2.17 | 0.18 | 3" at > 0.49% | 4" at > 0.11% | 6" at > 0.012% |
| 40.00 | 0.089 | 2.50 | 0.21 | 3" at > 0.87% | 4" at > 0.19% | 6" at > 0.021% |
| 50.00 | 0.111 | 2.88 | 0.24 | 3" at > 1.35% | 4" at > 0.29% | 6" at > 0.034% |
| 60.00 | 0.134 | 3.32 | 0.28 | 3" at > 1.95% | 4" at > 0.42% | 6" at > 0.048% |
| 70.00 | 0.156 | 3.80 | 0.32 | 3" at > 2.65% | 4" at > 0.57% | 6" at > 0.066% |
| 80.00 | 0.178 | 4.35 | 0.36 | 3" at > 3.47% | 4" at > 0.75% | 6" at > 0.086% |
| 90.00 | 0.200 | 4.94 | 0.41 | 3" at > 4.39% | 4" at > 0.95% | 6" at > 0.11% |
| 100.00 | 0.223 | 5.59 | 0.47 | 3" at > 5.42% | 4" at > 1.17% | 6" at > 0.13% |
| 110.00 | 0.245 | 6.30 | 0.52 | 3" at > 6.55% | 4" at > 1.41% | 6" at > 0.16% |
| 120.00 | 0.267 | 7.05 | 0.59 | 3" at > 7.80% | 4" at > 1.68% | 6" at > 0.19% |
| 130.00 | 0.290 | 7.86 | 0.66 | 3" at > 9.15% | 4" at > 1.97% | 6" at > 0.23% |
| 140.00 | 0.312 | 8.72 | 0.73 | 4" at > 2.29% | 6" at > 0.26% | 8" at > 0.057% |
| 150.00 | 0.334 | 9.64 | 0.80 | 4" at > 2.63% | 6" at > 0.30% | 8" at > 0.065% |
| 160.00 | 0.356 | 10.61 | 0.88 | 4" at > 2.99% | 6" at > 0.34% | 8" at > 0.074% |
| 170.00 | 0.379 | 11.63 | 0.97 | 4" at > 3.38% | 6" at > 0.39% | 8" at > 0.084% |
| 180.00 | 0.401 | 12.71 | 1.06 | 4" at > 3.78% | 6" at > 0.43% | 8" at > 0.094% |

