

Figure 3-4 – IDF Curves by Development Type; Storm Duration < 3 Hours

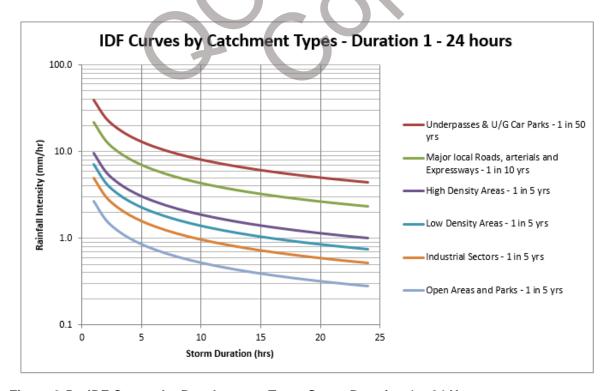


Figure 3-5 – IDF Curves by Development Type; Storm Duration 1 – 24 Hours

For Al Ain Municipality refer to appendix 4 for IDF Curves and other related information.

3.3. Rational Method

The Rational Method is based on assumptions that the rainfall intensity is uniform across the catchment and for the duration of the storm, and that the time of concentration is less than or equal to the storm duration. These assumptions mean that the catchment reaches a steady state toward the end of the storm, and therefore the flow out of the catchment depends only on the area, rainfall intensity and runoff coefficient. The rational method