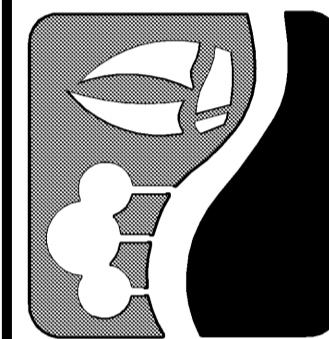


| Fully Developed Drainage Area Calculations | | | | | | |
|--|--------------|----------|-------|-----------------------------|-----------|---------|
| Drainage Area Designation | Acreage (ac) | C Factor | C x A | Time of Concentration (min) | I (in/hr) | Q (cfs) |
| | | | | | 100 Yr | 100 Yr |
| A-1 | 0.28 | 0.90 | 0.25 | 10 | 9.80 | 2.5 |
| A-2 | 0.31 | 0.90 | 0.28 | 10 | 9.80 | 2.7 |
| A-3 | 0.45 | 0.90 | 0.41 | 10 | 9.80 | 4.0 |
| A-4 | 0.49 | 0.90 | 0.44 | 10 | 9.80 | 4.3 |
| A-5 | 0.46 | 0.90 | 0.41 | 10 | 9.80 | 4.1 |
| A-6 | 0.47 | 0.90 | 0.42 | 10 | 9.80 | 4.1 |
| A-7 | 0.63 | 0.90 | 0.57 | 10 | 9.80 | 5.6 |
| A-8 | 0.67 | 0.90 | 0.60 | 10 | 9.80 | 5.9 |
| A-9 | 0.46 | 0.90 | 0.41 | 10 | 9.80 | 4.1 |
| A-10 | 0.42 | 0.90 | 0.38 | 10 | 9.80 | 3.7 |
| A-11 | 0.52 | 0.90 | 0.47 | 10 | 9.80 | 4.6 |
| A-12 | 0.50 | 0.90 | 0.45 | 10 | 9.80 | 4.4 |
| B-1 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| B-2 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| B-3 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| B-4 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| B-5 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| B-6 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| C-1 | 0.29 | 0.90 | 0.26 | 10 | 9.80 | 2.6 |
| C-2 | 0.57 | 0.90 | 0.51 | 10 | 9.80 | 5.0 |
| C-3.1 | 3.34 | 0.90 | 3.01 | 10 | 9.80 | 29.5 |
| C-3.2 | 0.27 | 0.90 | 0.24 | 10 | 9.80 | 2.4 |
| C-4 | 0.72 | 0.90 | 0.65 | 10 | 9.80 | 6.4 |
| C-5 | 0.24 | 0.90 | 0.22 | 10 | 9.80 | 2.1 |
| C-6 | 0.73 | 0.90 | 0.66 | 10 | 9.80 | 6.4 |
| C-8 | 0.62 | 0.90 | 0.56 | 10 | 9.80 | 5.5 |
| C-10 | 0.51 | 0.90 | 0.46 | 10 | 9.80 | 4.5 |
| C-16.1A | 2.48 | 0.90 | 2.23 | 10 | 9.80 | 21.9 |
| C-16.1B | 3.63 | 0.90 | 3.27 | 10 | 9.80 | 32.0 |
| C-16.7 | 0.48 | 0.90 | 0.43 | 10 | 9.80 | 4.2 |
| C-16.9 | 0.61 | 0.90 | 0.55 | 10 | 9.80 | 5.4 |
| D-1* | 0.66 | 0.90 | 0.59 | 10 | 9.80 | 5.8 |
| D-2* | 0.21 | 0.90 | 0.19 | 10 | 9.80 | 1.9 |
| D-3* | 0.53 | 0.90 | 0.48 | 10 | 9.80 | 4.7 |
| D-4* | 0.18 | 0.90 | 0.16 | 10 | 9.80 | 1.6 |
| E-1* | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| E-2* | 1.05 | 0.90 | 0.95 | 10 | 9.80 | 9.3 |
| F-1** | 2.91 | 0.90 | 2.62 | 10 | 9.80 | 25.7 |
| F-2** | 5.39 | 0.90 | 4.85 | 10 | 9.80 | 47.5 |
| G-1** | 2.99 | 0.90 | 2.69 | 10 | 9.80 | 26.4 |
| H-2** | 8.53 | 0.90 | 7.68 | 10 | 9.80 | 75.2 |
| H-3** | 5.16 | 0.90 | 4.64 | 10 | 9.80 | 45.5 |
| H-4** | 5.53 | 0.90 | 4.98 | 10 | 9.80 | 48.8 |
| I-1* | 0.28 | 0.90 | 0.25 | 10 | 9.80 | 2.5 |
| I-2* | 0.74 | 0.90 | 0.67 | 10 | 9.80 | 6.5 |
| J-1* | 27.10 | 0.90 | 24.39 | 10 | 9.80 | 239.0 |
| K-1* | 7.40 | 0.90 | 6.66 | 10 | 9.80 | 65.3 |
| M-1 | 0.40 | 0.90 | 0.36 | 10 | 9.80 | 3.5 |
| M-2 | 0.30 | 0.90 | 0.27 | 10 | 9.80 | 2.6 |
| M-3 | 0.76 | 0.90 | 0.68 | 10 | 9.80 | 6.7 |
| M-4 | 0.76 | 0.90 | 0.68 | 10 | 9.80 | 6.7 |
| N-1 | 0.09 | 0.90 | 0.08 | 10 | 9.80 | 0.8 |
| N-2 | 0.45 | 0.90 | 0.41 | 10 | 9.80 | 4.0 |
| P-1 | 0.38 | 0.90 | 0.34 | 10 | 9.80 | 3.4 |
| P-2 | 1.02 | 0.90 | 0.92 | 10 | 9.80 | 9.0 |
| FUT-1 | 0.42 | 0.90 | 0.38 | 10 | 9.80 | 3.7 |
| FUT-2 | 0.40 | 0.90 | 0.36 | 10 | 9.80 | 3.5 |
| FUT-3 | 0.25 | 0.90 | 0.23 | 10 | 9.80 | 2.2 |
| FUT-3.2 | 1.30 | 0.90 | 1.17 | 10 | 9.80 | 11.5 |
| FUT-4 | 0.23 | 0.90 | 0.21 | 10 | 9.80 | 2.0 |
| T-1 | 0.17 | 0.90 | 0.15 | 10 | 9.80 | 1.5 |
| T-2 | 0.17 | 0.90 | 0.15 | 10 | 9.80 | 1.5 |
| T-3 | 0.43 | 0.90 | 0.39 | 10 | 9.80 | 3.8 |
| T-4 | 0.44 | 0.90 | 0.40 | 10 | 9.80 | 3.9 |
| T-5 | 0.79 | 0.90 | 0.71 | 10 | 9.80 | 7.0 |
| T-6 | 0.79 | 0.90 | 0.71 | 10 | 9.80 | 7.0 |
| U-1 | 18.75 | 0.90 | 16.88 | 10 | 9.80 | 165.4 |
| V-1** | 22.63 | 0.90 | 20.37 | 10 | 9.80 | 199.6 |
| W-1** | 41.90 | 0.90 | 37.71 | 10 | 9.80 | 369.6 |
| X-1 | 0.19 | 0.90 | 0.17 | 10 | 9.80 | 1.7 |
| X-2 | 0.19 | 0.90 | 0.17 | 10 | 9.80 | 1.7 |
| Y-1 | 0.43 | 0.90 | 0.39 | 10 | 9.80 | 3.8 |
| Y-2 | 0.39 | 0.90 | 0.35 | 10 | 9.80 | 3.4 |
| Y-3 | 0.41 | 0.90 | 0.37 | 10 | 9.80 | 3.6 |
| Y-4 | 0.38 | 0.90 | 0.34 | 10 | 9.80 | 3.4 |
| Y-5 | 0.38 | 0.90 | 0.34 | 10 | 9.80 | 3.4 |
| Y-6 | 0.38 | 0.90 | 0.34 | 10 | 9.80 | 3.4 |
| Z-1 | 0.60 | 0.90 | 0.54 | 10 | 9.80 | 5.3 |
| Z-2 | 0.60 | 0.90 | 0.54 | 10 | 9.80 | 5.3 |
| Z-3 | 0.52 | 0.90 | 0.47 | 10 | 9.80 | 4.6 |
| Z-4 | 0.53 | 0.90 | 0.48 | 10 | 9.80 | 4.7 |
| Z-5 | 0.78 | 0.90 | 0.70 | 10 | 9.80 | 6.9 |
| Z-6 | 0.82 | 0.90 | 0.74 | 10 | 9.80 | 7.2 |
| EX-B6 | 1.19 | 0.90 | 1.07 | 10 | 9.80 | 10.5 |
| EX-A3 | 0.45 | 0.90 | 0.41 | 10 | 9.80 | 4.0 |

Remarks:
 *DRAINAGE AREAS "D", "E", "I", "J" & "K" DRAIN TO EXISTING DETENTION PONDS
 **DETENTION REQUIRED, FLOWS MUST BE DETAINED TO PREDEVELOPED
 (C = 0.35, Tc = 20 min, I100 = 8.3)

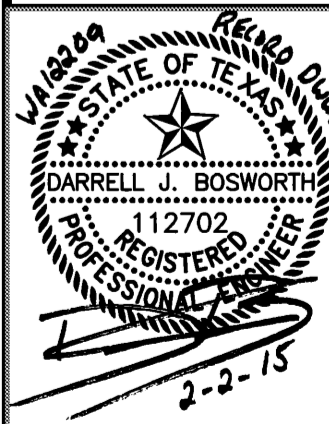
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**ROCKWALL
TECHNOLOGY
PARK
PHASE IV**

**DRAINAGE AREA
CALCULATIONS**



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