**HILLSBOROUGH CITY SCHOOL DISTRICT - CROCKER SCHOOL**

**Table 5.2.1**
**Proposed Hydrology: 100-Year Event**

| Node # (2) | Ground Elevation (1) (ft) | Sump Elevation (ft) | Inlet Area (acres) | Inlet C | Inlet C*A (acres) | Cumulative Area (acres) | Cumulative C*A (acres) | Inlet Tc (minutes) | System Tc (minutes) | Intensity (in/hr) | Additional Flows | **Discharge (cfs)** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-C3-10 | 153.00 | 135.98 | 0.07 | 0.70 | 0.05 | 0.07 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-9-1 | 151.25 | 135.86 | 0.03 | 0.90 | 0.03 | 0.03 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-9 | 152.50 | 135.48 | 0.11 | 0.62 | 0.07 | 0.11 | 0.1 | 10.0 | 10.2 | 2.84 | 0.00 | **0.4** |
| I-C3-8-1 | 151.28 | 134.71 | 0.03 | 0.90 | 0.03 | 0.03 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-8 | 147.50 | 134.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.2 | 0.0 | 10.6 | 2.82 | 0.00 | **0.5** |
| I-C3-7-1 | 151.30 | 137.70 | 0.04 | 0.90 | 0.04 | 0.04 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-7 | 151.60 | 134.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.2 | 0.0 | 10.8 | 2.81 | 0.00 | **0.6** |
| I-C3-6-1 | 146.25 | 134.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C3-6 | 151.50 | 134.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.2 | 0.0 | 10.9 | 2.80 | 0.00 | **0.6** |
| I-C3-5 | 151.50 | 133.64 | 0.06 | 0.43 | 0.03 | 0.06 | 0.2 | 10.0 | 11.1 | 2.79 | 0.00 | **0.7** |
| I-C3-4-1 | 150.88 | 134.02 | 0.02 | 0.90 | 0.02 | 0.02 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-4 | 150.50 | 133.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.3 | 0.0 | 11.3 | 2.78 | 0.00 | **0.7** |
| I-C3-3-1 | 151.14 | 134.28 | 0.02 | 0.90 | 0.02 | 0.02 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-3 | 150.00 | 133.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.3 | 0.0 | 11.5 | 2.76 | 0.00 | **0.8** |
| I-C3-2-7 | 154.00 | 153.00 | 0.05 | 0.76 | 0.04 | 0.05 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-2-6-1 | 152.00 | 151.00 | 0.04 | 0.90 | 0.04 | 0.04 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-2-6 | 152.00 | 151.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 | 0.0 | 10.1 | 2.85 | 0.00 | **0.2** |
| I-C3-2-5-1 | 152.75 | 151.00 | 0.24 | 0.48 | 0.12 | 0.24 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.3** |
| I-C3-2-5 | 152.00 | 150.25 | 0.03 | 0.43 | 0.01 | 0.03 | 0.2 | 10.0 | 10.2 | 2.85 | 0.00 | **0.6** |
| I-C3-2-4 | 148.25 | 146.50 | 0.06 | 0.43 | 0.03 | 0.06 | 0.2 | 10.0 | 10.4 | 2.84 | 0.00 | **0.7** |
| I-C3-2-3-1 | 151.05 | 147.04 | 0.03 | 0.90 | 0.03 | 0.03 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-2-3 | 148.50 | 144.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.3 | 0.0 | 10.4 | 2.83 | 0.00 | **0.7** |
| I-C3-2-2-1S | 143.70 | 141.80 | 0.22 | 0.43 | 0.09 | 0.22 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.3** |
| I-C3-2-2-1N | 151.10 | 140.83 | 0.03 | 0.90 | 0.03 | 0.03 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-2-2 | 148.50 | 138.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.4 | 0.0 | 10.6 | 2.82 | 0.00 | **1.1** |
| I-C3-2-1-1 | 151.15 | 134.28 | 0.04 | 0.90 | 0.04 | 0.04 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C3-2-1 | 146.92 | 133.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.4 | 0.0 | 10.6 | 2.82 | 0.00 | **1.2** |
| I-C3-2 | 149.00 | 132.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.7 | 0.0 | 11.6 | 2.75 | 0.00 | **1.9** |
| I-C3-1-4 | 157.50 | 156.00 | 0.96 | 0.76 | 0.73 | 0.96 | 0.7 | 10.0 | 10.0 | 2.86 | 0.00 | **2.1** |
| I-C3-1-3 | 157.50 | 155.50 | 0.00 | 0.73 | 0.00 | 0.00 | 0.7 | 10.0 | 10.2 | 2.85 | 0.00 | **2.1** |
| I-C3-1-2 | 156.80 | 155.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.7 | 10.0 | 10.8 | 2.81 | 0.00 | **2.1** |
| I-C3-1-1 | 157.13 | 150.70 | 0.04 | 0.90 | 0.04 | 0.04 | 0.8 | 10.0 | 11.3 | 2.78 | 0.00 | **2.1** |
| I-C3-1 | 146.00 | 129.14 | 0.22 | 0.43 | 0.09 | 0.22 | 1.5 | 10.0 | 11.7 | 2.75 | 0.00 | **4.3** |
| O-C3 | 146.50 | 127.79 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 11.7 | 2.75 | 0.00 | **4.3** |
| I-C2-14 | 185.50 | 184.40 | 0.11 | 0.43 | 0.05 | 0.11 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C2-13-1 | 186.00 | 185.30 | 0.14 | 0.43 | 0.06 | 0.14 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.2** |
| I-C2-13 | 185.50 | 184.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 | 0.0 | 16.6 | 2.48 | 0.00 | **0.3** |
| I-C2-12-1 | 186.00 | 185.30 | 0.17 | 0.43 | 0.07 | 0.17 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.2** |
| I-C2-12 | 185.50 | 184.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.2 | 0.0 | 21.4 | 2.28 | 0.00 | **0.4** |
| I-C2-11-1 | 186.50 | 186.05 | 0.12 | 0.43 | 0.05 | 0.12 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.2** |
| I-C2-11 | 185.50 | 184.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.2 | 0.0 | 24.6 | 2.18 | 0.00 | **0.5** |
| I-C2-10 | 185.50 | 184.30 | 0.03 | 0.43 | 0.01 | 0.03 | 0.3 | 10.0 | 24.9 | 2.17 | 0.00 | **0.5** |
| I-C2-9 | 184.50 | 183.00 | 0.03 | 0.43 | 0.01 | 0.03 | 0.3 | 10.0 | 25.0 | 2.16 | 0.00 | **0.6** |
| I-C2-8-1W | 184.00 | 183.00 | 0.07 | 0.43 | 0.03 | 0.07 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C2-8-1N | 190.50 | 189.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-8 | 184.00 | 182.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.3 | 0.0 | 25.1 | 2.16 | 0.00 | **0.6** |
| I-C2-7-3 | 190.30 | 188.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-7-2 | 180.90 | 178.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.3 | 0.0 | 25.3 | 2.15 | 0.00 | **0.6** |
| I-C2-7-1 | 173.50 | 171.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.3 | 0.0 | 25.3 | 2.15 | 0.00 | **0.6** |
| I-C2-7 | 173.25 | 171.25 | 0.15 | 0.90 | 0.14 | 0.15 | 0.4 | 10.0 | 25.5 | 2.15 | 0.00 | **0.9** |
| I-C2-6-4E | 169.00 | 165.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-3E | 168.00 | 164.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-2E-1 | 169.00 | 165.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-2E | 167.00 | 163.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-1E | 166.50 | 162.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-1D | 167.40 | 165.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-1C | 171.00 | 167.50 | 0.10 | 0.90 | 0.09 | 0.10 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.3** |
| I-C2-6-1B | 165.00 | 163.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6-1A | 163.81 | 160.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | **0.0** |
| I-C2-6 | 162.94 | 160.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.5 | 0.0 | 25.7 | 2.14 | 0.00 | **1.1** |
| I-C2-5 | 164.55 | 160.75 | 0.13 | 0.43 | 0.06 | 0.13 | 0.6 | 10.0 | 25.9 | 2.14 | 0.00 | **1.2** |
| I-C2-4-4 | 172.90 | 168.80 | 0.07 | 0.43 | 0.03 | 0.07 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C2-4-3 | 172.00 | 167.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C2-4-2 | 169.50 | 167.40 | 0.16 | 0.43 | 0.07 | 0.16 | 0.1 | 10.0 | 11.5 | 2.76 | 0.00 | **0.3** |
| I-C2-4-1-1N | 169.00 | 167.40 | 0.07 | 0.43 | 0.03 | 0.07 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C2-4-1 | 170.00 | 163.66 | 0.08 | 0.43 | 0.03 | 0.08 | 0.2 | 10.0 | 11.8 | 2.74 | 0.00 | **0.5** |
| I-C2-4 | 166.50 | 160.60 | 0.04 | 0.43 | 0.02 | 0.04 | 0.8 | 10.0 | 26.3 | 2.12 | 0.00 | **1.6** |
| I-C2-3 | 158.52 | 153.50 | 0.70 | 0.69 | 0.48 | 0.70 | 1.2 | 10.0 | 26.8 | 2.11 | 0.00 | **2.6** |
| I-C2-2 | 157.13 | 150.70 | 1.08 | 0.80 | 0.86 | 1.08 | 2.1 | 10.0 | 26.9 | 2.11 | 0.00 | **4.5** |
| I-C2-1-1 | 151.50 | 150.20 | 0.28 | 0.52 | 0.15 | 0.28 | 0.2 | 10.0 | 10.0 | 2.86 | 0.00 | **0.4** |
| I-C2-1 | 154.50 | 150.10 | 0.10 | 0.43 | 0.04 | 0.10 | 2.3 | 10.0 | 27.1 | 2.10 | 0.00 | **4.8** |
| O-C2 | 149.00 | 144.60 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 27.2 | 2.10 | 0.00 | **4.8** |
| I-C1-W | 177.00 | 174.44 | 0.04 | 0.43 | 0.02 | 0.04 | 0.0 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C1-E | 172.00 | 170.00 | 0.11 | 0.43 | 0.05 | 0.11 | 0.1 | 10.0 | 10.0 | 2.86 | 0.00 | **0.1** |
| I-C1 | 172.66 | 170.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 | 0.0 | 14.6 | 2.58 | 0.00 | **0.2** |
| O-C1 | 173.25 | 169.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 | 0.0 | 14.7 | 2.58 | 0.00 | **0.2** |

(1) Elevations estimated from construction plans and Survey points.

**HILLSBOROUGH CITY SCHOOL DISTRICT - CROCKER SCHOOL**

**Table 5.2.2**
**Proposed Hydraulics: 100-Year Event**

| Pipe # (1) | Upstream Node | Downstream Node | Total Discharge (cfs) 1/ | Capacity @ Constructed Slope (cfs) | Pipe Size (inches) | Length (feet) | Constructed Slope (ft/ft) | Invert Elevation | | Ground/Rim Elevation | | HGL Elevation | | **Freeboard (feet)** | Upstream Cover (feet) | Velocity (ft/s) 1/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Upstream | Downstream | Upstream | Downstream | Upstream | Downstream | | | |
| P-C3-10 | I-C3-10 | I-C3-9 | 0.1 | 1.0 | 6 inch | 17 | 0.029 | 135.98 | 135.48 | 153.00 | 152.50 | **136.37** | 136.36 | **16.6** | 16.5 | 3.5 |
| P-C3-9-1 | I-C3-9-1 | I-C3-9 | 0.1 | 0.3 | 4 inch | 13 | 0.029 | 135.86 | 135.48 | 151.25 | 152.50 | **136.38** | 136.36 | **14.9** | 15.1 | 0.9 |
| P-C3-9 | I-C3-9 | I-C3-8 | 0.4 | 0.8 | 6 inch | 39 | 0.021 | 135.48 | 134.68 | 152.50 | 147.50 | **136.36** | 136.15 | **16.1** | 16.5 | 2.1 |
| P-C3-8-1 | I-C3-8-1 | I-C3-8 | 0.1 | 0.1 | 4 inch | 12 | 0.003 | 134.71 | 134.68 | 151.28 | 147.50 | **136.17** | 136.15 | **15.1** | 16.2 | 0.9 |
| P-C3-8 | I-C3-8 | I-C3-7 | 0.5 | 0.3 | 6 inch | 38 | 0.003 | 134.68 | 134.58 | 147.50 | 151.60 | **136.15** | 135.86 | **11.4** | 12.3 | 2.5 |
| P-C3-7-1 | I-C3-7-1 | I-C3-7 | 0.1 | 0.9 | 4 inch | 13 | 0.240 | 137.70 | 134.58 | 151.30 | 151.60 | **137.88** | 135.86 | **13.4** | 13.3 | 7.1 |
| P-C3-7 | I-C3-7 | I-C3-6 | 0.6 | 0.4 | 6 inch | 24 | 0.004 | 134.58 | 134.48 | 151.60 | 151.50 | **135.86** | 135.60 | **15.7** | 16.5 | 3.0 |
| P-C3-6-1 | I-C3-6-1 | I-C3-6 | 0.0 | 1.0 | 6 inch | 7 | 0.031 | 134.70 | 134.48 | 146.25 | 151.50 | **135.60** | 135.60 | **10.7** | 11.1 | 0.0 |
| P-C3-6 | I-C3-6 | I-C3-5 | 0.6 | 1.0 | 6 inch | 26 | 0.032 | 134.48 | 133.64 | 151.50 | 151.50 | **135.60** | 135.32 | **15.9** | 16.5 | 3.0 |
| P-C3-5 | I-C3-5 | I-C3-4 | 0.7 | 0.0 | 6 inch | 33 | 0.000 | 133.64 | 133.64 | 151.50 | 150.50 | **135.32** | 134.87 | **16.2** | 17.4 | 3.3 |
| P-C3-4-1 | I-C3-4-1 | I-C3-4 | 0.1 | 0.4 | 4 inch | 11 | 0.035 | 134.02 | 133.64 | 150.88 | 150.50 | **134.88** | 134.87 | **16.0** | 16.5 | 0.6 |
| P-C3-4 | I-C3-4 | I-C3-3 | 0.7 | 0.6 | 6 inch | 48 | 0.010 | 133.64 | 133.14 | 150.50 | 150.00 | **134.87** | 134.12 | **15.6** | 16.4 | 3.6 |
| P-C3-3-1 | I-C3-3-1 | I-C3-3 | 0.1 | 0.6 | 4 inch | 11 | 0.104 | 134.28 | 133.14 | 151.14 | 150.00 | **134.41** | 134.12 | **16.7** | 16.5 | 4.3 |
| P-C3-3 | I-C3-3 | I-C3-2 | 0.8 | 1.0 | 6 inch | 33 | 0.030 | 133.14 | 132.14 | 150.00 | 149.00 | **134.12** | 133.53 | **15.9** | 16.4 | 3.8 |
| P-C3-2-7 | I-C3-2-7 | I-C3-2-6 | 0.1 | 0.6 | 4 inch | 22 | 0.091 | 153.00 | 151.00 | 154.00 | 152.00 | **153.19** | 151.26 | **0.8** | 0.7 | 5.1 |
| P-C3-2-6-1 | I-C3-2-6-1 | I-C3-2-6 | 0.1 | 0.0 | 4 inch | 9 | 0.000 | 151.00 | 151.00 | 152.00 | 152.00 | **151.29** | 151.26 | **0.7** | 0.7 | 1.2 |
| P-C3-2-6 | I-C3-2-6 | I-C3-2-5 | 0.2 | 0.4 | 4 inch | 21 | 0.036 | 151.00 | 150.25 | 152.00 | 152.00 | **151.26** | 150.64 | **0.7** | 0.7 | 4.3 |
| P-C3-2-5-1 | I-C3-2-5-1 | I-C3-2-5 | 0.3 | 0.8 | 6 inch | 34 | 0.022 | 151.00 | 150.25 | 152.75 | 152.00 | **151.29** | 150.64 | **1.5** | 1.3 | 4.0 |
| P-C3-2-5 | I-C3-2-5 | I-C3-2-4 | 0.6 | 1.4 | 6 inch | 62 | 0.060 | 150.25 | 146.50 | 152.00 | 148.25 | **150.64** | 146.91 | **1.4** | 1.3 | 6.7 |
| P-C3-2-4 | I-C3-2-4 | I-C3-2-3 | 0.7 | 1.4 | 6 inch | 34 | 0.059 | 146.50 | 144.49 | 148.25 | 148.50 | **146.91** | 144.92 | **1.3** | 1.3 | 6.9 |
| P-C3-2-3-1 | I-C3-2-3-1 | I-C3-2-3 | 0.1 | 0.7 | 4 inch | 22 | 0.116 | 147.04 | 144.49 | 151.05 | 148.50 | **147.19** | 144.92 | **3.9** | 3.7 | 5.0 |
| P-C3-2-3 | I-C3-2-3 | I-C3-2-2 | 0.7 | 1.8 | 6 inch | 58 | 0.108 | 144.49 | 138.23 | 148.50 | 148.50 | **144.92** | 138.71 | **3.6** | 3.5 | 8.8 |
| P-C3-2-2-1S | I-C3-2-2-1S | I-C3-2-2 | 0.3 | 1.9 | 6 inch | 33 | 0.108 | 141.80 | 138.23 | 143.70 | 148.50 | **142.06** | 138.71 | **1.6** | 1.4 | 6.7 |
| P-C3-2-2-1N | I-C3-2-2-1N | I-C3-2-2 | 0.1 | 0.6 | 4 inch | 24 | 0.108 | 140.83 | 138.23 | 151.10 | 148.50 | **140.98** | 138.71 | **10.1** | 9.9 | 4.9 |
| P-C3-2-2 | I-C3-2-2 | I-C3-2-1 | 1.1 | 1.9 | 6 inch | 47 | 0.108 | 138.23 | 133.14 | 148.50 | 146.92 | **138.71** | 135.01 | **9.8** | 9.8 | 9.8 |
| P-C3-2-1-1 | I-C3-2-1-1 | I-C3-2-1 | 0.1 | 0.4 | 4 inch | 21 | 0.054 | 134.28 | 133.14 | 151.15 | 146.92 | **135.08** | 135.01 | **16.1** | 16.5 | 1.2 |
| P-C3-2-1 | I-C3-2-1 | I-C3-2 | 1.2 | 1.0 | 6 inch | 34 | 0.029 | 133.14 | 132.14 | 146.92 | 149.00 | **135.01** | 133.53 | **11.9** | 13.3 | 6.0 |
| P-C3-2 | I-C3-2 | I-C3-1 | 1.9 | 1.8 | 6 inch | 31 | 0.097 | 132.14 | 129.14 | 149.00 | 146.00 | **133.53** | 130.01 | **15.5** | 16.4 | 9.6 |
| P-C3-1-4 | I-C3-1-4 | I-C3-1-3 | 2.1 | 2.9 | 10 inch | 34 | 0.015 | 156.00 | 155.50 | 157.50 | 157.50 | **157.09** | 156.83 | **0.4** | 0.7 | 3.9 |
| P-C3-1-3 | I-C3-1-3 | I-C3-1-2 | 2.1 | 1.4 | 10 inch | 140 | 0.004 | 155.50 | 155.00 | 157.50 | 156.80 | **156.83** | 155.65 | **0.7** | 1.2 | 3.9 |
| P-C3-1-2 | I-C3-1-2 | I-C3-1-1 | 2.1 | 3.4 | 10 inch | 205 | 0.021 | 155.00 | 150.70 | 156.80 | 157.13 | **155.64** | 151.36 | **1.2** | 1.0 | 6.6 |
| P-C3-1-1 | I-C3-1-1 | I-C3-1 | 2.1 | 30.6 | 10 inch | 13 | 1.658 | 150.70 | 129.14 | 157.13 | 146.00 | **151.36** | 130.01 | **5.8** | 5.6 | 32.3 |
| P-C3-1 | I-C3-1 | O-C3 | 4.3 | 11.1 | 12 inch | 14 | 0.096 | 129.14 | 127.79 | 146.00 | 146.50 | **130.01** | 128.30 | **16.0** | 15.9 | 13.2 |
| P-C2-14 | I-C2-14 | I-C2-13 | 0.1 | 0.0 | 12 inch | 69 | 0.000 | 184.40 | 184.40 | 185.50 | 185.50 | **184.89** | 184.89 | **0.6** | 0.1 | 0.2 |
| P-C2-13-1 | I-C2-13-1 | I-C2-13 | 0.2 | 0.8 | 4 inch | 8 | 0.113 | 185.30 | 184.40 | 186.00 | 185.50 | **185.54** | 184.89 | **0.5** | 0.4 | 7.5 |
| P-C2-13 | I-C2-13 | I-C2-12 | 0.3 | 0.0 | 12 inch | 98 | 0.000 | 184.40 | 184.40 | 185.50 | 185.50 | **184.89** | 184.87 | **0.6** | 0.1 | 0.3 |
| P-C2-12-1 | I-C2-12-1 | I-C2-12 | 0.2 | 0.8 | 4 inch | 8 | 0.113 | 185.30 | 184.40 | 186.00 | 185.50 | **185.56** | 184.87 | **0.4** | 0.4 | 7.9 |
| P-C2-12 | I-C2-12 | I-C2-11 | 0.4 | 0.0 | 12 inch | 102 | 0.000 | 184.40 | 184.40 | 185.50 | 185.50 | **184.87** | 184.73 | **0.6** | 0.1 | 0.5 |
| P-C2-11-1 | I-C2-11-1 | I-C2-11 | 0.2 | 1.2 | 4 inch | 7 | 0.236 | 186.05 | 184.40 | 186.50 | 185.50 | **186.27** | 184.73 | **0.2** | 0.1 | 9.4 |
| P-C2-11 | I-C2-11 | I-C2-10 | 0.5 | 2.2 | 12 inch | 38 | 0.003 | 184.40 | 184.30 | 185.50 | 185.50 | **184.73** | 184.60 | **0.8** | 0.1 | 2.3 |
| P-C2-10 | I-C2-10 | I-C2-9 | 0.5 | 11.2 | 14 inch | 30 | 0.043 | 184.30 | 183.00 | 185.50 | 184.50 | **184.59** | 183.30 | **0.9** | 0.0 | 5.4 |
| P-C2-9 | I-C2-9 | I-C2-8 | 0.6 | 6.9 | 14 inch | 30 | 0.017 | 183.00 | 182.50 | 184.50 | 184.00 | **183.30** | 182.83 | **1.2** | 0.3 | 3.9 |
| P-C2-8-1W | I-C2-8-1W | I-C2-8 | 0.1 | 14.7 | 12 inch | 5 | 0.100 | 183.00 | 182.50 | 184.00 | 184.00 | **183.12** | 182.83 | **0.9** | 0.0 | 5.1 |
| P-C2-8-1N | I-C2-8-1N | I-C2-8 | 0.0 | 22.5 | 14 inch | 37 | 0.176 | 189.00 | 182.50 | 190.50 | 184.00 | **189.00** | 182.83 | **1.5** | 0.3 | 0.0 |
| P-C2-8 | I-C2-8 | I-C2-7-2 | 0.6 | 9.7 | 12 inch | 83 | 0.043 | 182.50 | 178.90 | 184.00 | 180.90 | **182.83** | 179.07 | **1.2** | 0.5 | 6.9 |
| P-C2-7-3 | I-C2-7-3 | I-C2-7-2 | 0.0 | 23.0 | 12 inch | 38 | 0.247 | 188.30 | 178.90 | 190.30 | 180.90 | **188.30** | 179.23 | **2.0** | 1.0 | 0.0 |
| P-C2-7-2 | I-C2-7-2 | I-C2-7-1 | 0.6 | 23.0 | 12 inch | 30 | 0.247 | 178.90 | 171.50 | 180.90 | 173.50 | **179.23** | 171.61 | **1.7** | 1.0 | 12.7 |
| P-C2-7-1 | I-C2-7-1 | I-C2-7 | 0.6 | 3.6 | 12 inch | 41 | 0.006 | 171.50 | 171.25 | 173.50 | 173.25 | **171.83** | 171.65 | **1.7** | 1.0 | 3.5 |
| P-C2-7 | I-C2-7 | I-C2-6 | 0.9 | 13.7 | 12 inch | 119 | 0.088 | 171.25 | 160.80 | 173.25 | 162.94 | **171.65** | 161.34 | **1.6** | 1.0 | 9.9 |
| P-C2-6-4E | I-C2-6-4E | I-C2-6-3E | 0.0 | 0.8 | 4 inch | 11 | 0.091 | 165.00 | 164.00 | 169.00 | 168.00 | **165.00** | 164.00 | **4.0** | 3.7 | 0.0 |
| P-C2-6-3E | I-C2-6-3E | I-C2-6-2E | 0.0 | 6.8 | 12 inch | 11 | 0.022 | 164.00 | 163.76 | 168.00 | 167.00 | **164.00** | 163.76 | **4.0** | 3.0 | 0.0 |
| P-C2-6-2E-1 | I-C2-6-2E-1 | I-C2-6-2E | 0.0 | 1.0 | 4 inch | 12 | 0.162 | 165.70 | 163.76 | 169.00 | 167.00 | **165.70** | 163.76 | **3.3** | 3.0 | 0.0 |
| P-C2-6-2E | I-C2-6-2E | I-C2-6-1E | 0.0 | 0.8 | 4 inch | 8 | 0.100 | 163.76 | 162.96 | 167.00 | 166.50 | **163.76** | 162.96 | **3.2** | 2.9 | 0.0 |
| P-C2-6-1E | I-C2-6-1E | I-C2-6 | 0.0 | 0.6 | 4 inch | 34 | 0.064 | 162.96 | 160.80 | 166.50 | 162.94 | **162.96** | 161.34 | **3.5** | 3.2 | 0.0 |
| P-C2-6-1D | I-C2-6-1D | I-C2-6 | 0.0 | 1.0 | 4 inch | 28 | 0.164 | 165.40 | 160.80 | 167.40 | 162.94 | **165.40** | 161.34 | **2.0** | 1.7 | 0.0 |
| P-C2-6-1C | I-C2-6-1C | I-C2-6 | 0.3 | 18.7 | 12 inch | 41 | 0.163 | 167.50 | 160.80 | 171.00 | 162.94 | **167.71** | 161.34 | **3.3** | 2.5 | 8.5 |
| P-C2-6-1B | I-C2-6-1B | I-C2-6 | 0.0 | 0.9 | 4 inch | 16 | 0.138 | 163.00 | 160.80 | 165.00 | 162.94 | **163.00** | 161.34 | **2.0** | 1.7 | 0.0 |
| P-C2-6-1A | I-C2-6-1A | I-C2-6 | 0.0 | 2.8 | 12 inch | 28 | 0.004 | 160.90 | 160.80 | 163.81 | 162.94 | **161.34** | 161.34 | **2.5** | 1.9 | 0.0 |
| P-C2-6 | I-C2-6 | I-C2-5 | 1.1 | 2.8 | 14 inch | 19 | 0.003 | 160.80 | 160.75 | 162.94 | 164.55 | **161.34** | 161.30 | **1.6** | 1.0 | 2.4 |
| P-C2-5 | I-C2-5 | I-C2-4 | 1.2 | 2.6 | 14 inch | 62 | 0.002 | 160.75 | 160.60 | 164.55 | 166.50 | **161.30** | 161.14 | **3.3** | 2.6 | 2.4 |
| P-C2-4-4 | I-C2-4-4 | I-C2-4-3 | 0.1 | 0.8 | 4 inch | 11 | 0.118 | 168.80 | 167.50 | 172.90 | 172.00 | **168.96** | 167.70 | **3.9** | 3.8 | 5.9 |
| P-C2-4-3 | I-C2-4-3 | I-C2-4-2 | 0.1 | 0.5 | 8 inch | 93 | 0.001 | 167.50 | 167.40 | 172.00 | 169.50 | **167.70** | 167.64 | **4.3** | 3.8 | 1.0 |
| P-C2-4-2 | I-C2-4-2 | I-C2-4-1 | 0.3 | 3.2 | 8 inch | 74 | 0.051 | 167.40 | 163.66 | 169.50 | 170.00 | **167.64** | 163.94 | **1.9** | 1.4 | 5.6 |
| P-C2-4-1-1N | I-C2-4-1-1N | I-C2-4-1 | 0.1 | 11.2 | 12 inch | 38 | 0.098 | 167.40 | 163.66 | 169.00 | 170.00 | **167.52** | 163.94 | **1.5** | 0.6 | 4.2 |
| P-C2-4-1 | I-C2-4-1 | I-C2-4 | 0.5 | 21.3 | 12 inch | 12 | 0.255 | 163.66 | 160.60 | 170.00 | 166.50 | **163.94** | 161.14 | **6.1** | 5.3 | 10.9 |
| P-C2-4 | I-C2-4 | I-C2-3 | 1.6 | 8.1 | 12 inch | 235 | 0.030 | 160.60 | 153.50 | 166.50 | 158.52 | **161.14** | 154.19 | **5.4** | 4.9 | 8.0 |
| P-C2-3 | I-C2-3 | I-C2-2 | 2.6 | 10.8 | 12 inch | 52 | 0.054 | 153.50 | 150.70 | 158.52 | 157.13 | **154.19** | 151.66 | **4.3** | 4.0 | 11.3 |
| P-C2-2 | I-C2-2 | I-C2-1 | 4.5 | 4.1 | 12 inch | 77 | 0.008 | 150.70 | 150.10 | 157.13 | 154.50 | **151.66** | 150.98 | **5.5** | 5.4 | 5.7 |
| P-C2-1-1 | I-C2-1-1 | I-C2-1 | 0.4 | 1.1 | 12 inch | 101 | 0.001 | 150.20 | 150.10 | 151.50 | 154.50 | **150.96** | 150.95 | **0.5** | 0.3 | 1.3 |
| P-C2-1 | I-C2-1 | O-C2 | 4.8 | 40.4 | 18 inch | 63 | 0.087 | 150.10 | 144.60 | 154.50 | 149.00 | **150.95** | 144.96 | **3.6** | 2.9 | 15.4 |
| P-C1-W | I-C1-W | I-C1 | 0.1 | 23.8 | 15 inch | 32 | 0.136 | 174.44 | 170.10 | 177.00 | 172.66 | **174.53** | 170.26 | **2.5** | 1.3 | 3.9 |
| P-C1-E | I-C1-E | I-C1 | 0.1 | -1.6 | 12 inch | 48 | -0.002 | 170.00 | 170.10 | 172.00 | 172.66 | **170.38** | 170.26 | **1.6** | 1.0 | 0.2 |
| P-C1 | I-C1 | O-C1 | 0.2 | 14.8 | 15 inch | 21 | 0.052 | 170.10 | 169.00 | 172.66 | 173.25 | **170.26** | 169.09 | **2.4** | 1.3 | 4.0 |

(1) Pipe Locations can be found on Figure A5.1