

Drawing name: V:\605230\Drawings\Engineering\Improvements\605230 Imp.dwg Picked on: Aug 07, 2017 - 3:16pm Picked by: mitcher

COBBLESTONE CROSSING  
DRAINAGE AREAS

| Drainage Area | Total Area (AC) | Total 100% Impervious Area (AC) | 15 Year, 20 Min. 100% P.I. Factor | Total 15 Year, 20 Min 100% Q | Total 5% Impervious Area | 15 Year, 20 Min. 5% P.I. Factor | Total 15 Year, 20 Min 5% Q | Total 15 YR Q |
|---------------|-----------------|---------------------------------|-----------------------------------|------------------------------|--------------------------|---------------------------------|----------------------------|---------------|
| 1             | 6.03            | 0.56                            | 3.85                              | 2.16                         | 5.47                     | 1.87                            | 10.23                      | 12.39         |
| 2             | 4.20            | 0.26                            | 3.85                              | 1.00                         | 3.94                     | 1.87                            | 7.37                       | 8.37          |
| 3             | 1.93            | 0.20                            | 3.85                              | 0.77                         | 1.73                     | 1.87                            | 3.24                       | 4.01          |
| 4             | 0.18            | 0.05                            | 3.85                              | 0.19                         | 0.13                     | 1.87                            | 0.24                       | 0.43          |
| 5             | 0.10            | 0.01                            | 3.85                              | 0.04                         | 0.09                     | 1.87                            | 0.17                       | 0.21          |
| 6             | 0.31            | 0.08                            | 3.85                              | 0.31                         | 0.23                     | 1.87                            | 0.43                       | 0.74          |
| 6A            | 0.10            | 0.00                            | 0.00                              | 0.00                         | 0.10                     | 2.64                            | 0.26                       | 0.26          |
| 7             | 0.71            | 0.44                            | 3.85                              | 1.69                         | 0.27                     | 1.87                            | 0.50                       | 2.19          |
| 8             | 0.41            | 0.11                            | 3.85                              | 0.42                         | 0.30                     | 1.87                            | 0.56                       | 0.98          |
| 9             | 0.40            | 0.24                            | 3.85                              | 0.92                         | 0.16                     | 1.87                            | 0.30                       | 1.22          |
| 10            | 0.70            | 0.43                            | 3.85                              | 1.66                         | 0.27                     | 1.87                            | 0.50                       | 2.16          |
| 11            | 0.29            | 0.08                            | 3.85                              | 0.31                         | 0.21                     | 1.87                            | 0.39                       | 0.70          |
| 11A           | 1.27            | 0.00                            | 0.00                              | 0.00                         | 1.27                     | 2.64                            | 3.35                       | 3.35          |
| 12            | 0.29            | 0.08                            | 3.85                              | 0.31                         | 0.21                     | 1.87                            | 0.39                       | 0.70          |
| 12A           | 0.51            | 0.00                            | 0.00                              | 0.00                         | 0.51                     | 2.64                            | 1.35                       | 1.35          |
| 13            | 0.20            | 0.05                            | 3.85                              | 0.19                         | 0.15                     | 1.87                            | 0.28                       | 0.47          |
| 13A           | 0.49            | 0.00                            | 0.00                              | 0.00                         | 0.49                     | 2.64                            | 1.29                       | 1.29          |
| 14            | 0.08            | 0.03                            | 3.85                              | 0.12                         | 0.05                     | 1.87                            | 0.09                       | 0.21          |
| 15            | 0.17            | 0.11                            | 3.85                              | 0.42                         | 0.06                     | 1.87                            | 0.11                       | 0.53          |
| 16            | 0.38            | 0.24                            | 3.85                              | 0.92                         | 0.14                     | 1.87                            | 0.26                       | 1.18          |
| 17            | 0.34            | 0.08                            | 3.85                              | 0.31                         | 0.26                     | 1.87                            | 0.49                       | 0.80          |
| 17A           | 0.03            | 0.00                            | 0.00                              | 0.00                         | 0.03                     | 2.64                            | 0.08                       | 0.08          |
| 18            | 0.01            | 0.00                            | 3.85                              | 0.00                         | 0.01                     | 1.87                            | 0.02                       | 0.02          |
| 18A           | 0.32            | 0.00                            | 0.00                              | 0.00                         | 0.32                     | 2.64                            | 0.84                       | 0.84          |
| 19            | 0.16            | 0.10                            | 3.85                              | 0.39                         | 0.06                     | 1.87                            | 0.11                       | 0.50          |
| 20            | 0.41            | 0.24                            | 3.85                              | 0.92                         | 0.17                     | 1.87                            | 0.32                       | 1.24          |
| 21            | 0.46            | 0.11                            | 3.85                              | 0.42                         | 0.35                     | 1.87                            | 0.65                       | 1.07          |
| 21A           | 1.52            | 0.00                            | 0.00                              | 0.00                         | 1.52                     | 2.64                            | 4.01                       | 4.01          |
| 22            | 0.35            | 0.22                            | 3.85                              | 0.85                         | 0.13                     | 1.87                            | 0.24                       | 1.09          |
| 23            | 0.35            | 0.22                            | 3.85                              | 0.85                         | 0.13                     | 1.87                            | 0.24                       | 1.09          |
| 24            | 0.46            | 0.11                            | 3.85                              | 0.42                         | 0.35                     | 1.87                            | 0.65                       | 1.07          |
| 24A           | 0.16            | 0.00                            | 3.85                              | 0.00                         | 0.16                     | 1.87                            | 0.30                       | 0.30          |
| 24B           | 1.07            | 0.00                            | 0.00                              | 0.00                         | 1.07                     | 2.64                            | 2.82                       | 2.82          |
| 25            | 0.36            | 0.12                            | 3.85                              | 0.46                         | 0.24                     | 1.87                            | 0.45                       | 0.91          |
| 26            | 0.32            | 0.00                            | 3.85                              | 0.00                         | 0.32                     | 1.87                            | 0.60                       | 0.60          |
| 27            | 0.24            | 0.17                            | 3.85                              | 0.65                         | 0.07                     | 1.87                            | 0.13                       | 0.78          |
| 28            | 0.66            | 0.40                            | 3.85                              | 1.54                         | 0.26                     | 1.87                            | 0.49                       | 2.03          |
| 29            | 0.15            | 0.05                            | 3.85                              | 0.19                         | 0.10                     | 1.87                            | 0.19                       | 0.38          |
| 30            | 0.23            | 0.08                            | 3.85                              | 0.31                         | 0.15                     | 1.87                            | 0.28                       | 0.59          |
| 31            | 0.34            | 0.05                            | 3.85                              | 0.19                         | 0.29                     | 1.87                            | 0.54                       | 0.73          |
| 31A           | 0.15            | 0.00                            | 0.00                              | 0.00                         | 0.15                     | 3.85                            | 0.58                       | 0.58          |
| 32            | 0.43            | 0.22                            | 3.85                              | 0.85                         | 0.21                     | 1.87                            | 0.39                       | 1.24          |
| 32A           | 4.15            | 0.00                            | 0.00                              | 0.00                         | 4.15                     | 3.85                            | 15.98                      | 15.98         |
| 33            | 0.17            | 0.11                            | 3.85                              | 0.42                         | 0.06                     | 1.87                            | 0.11                       | 0.53          |
| 34            | 0.39            | 0.27                            | 3.85                              | 1.04                         | 0.12                     | 1.87                            | 0.22                       | 1.26          |
| 35            | 0.71            | 0.15                            | 3.85                              | 0.58                         | 0.56                     | 1.87                            | 1.05                       | 1.63          |
| 35A           | 3.57            | 0.00                            | 0.00                              | 0.00                         | 3.57                     | 3.85                            | 13.74                      | 13.74         |
| 35B           | 3.55            | 0.00                            | 0.00                              | 0.00                         | 3.55                     | 3.85                            | 13.67                      | 13.67         |
| 36            | 2.49            | 0.22                            | 3.85                              | 0.85                         | 2.27                     | 1.87                            | 4.24                       | 5.09          |
| 37            | 0.46            | 0.30                            | 3.85                              | 1.16                         | 0.16                     | 1.87                            | 0.30                       | 1.46          |
| 38            | 0.63            | 0.33                            | 3.85                              | 1.27                         | 0.30                     | 1.87                            | 0.56                       | 1.83          |
| 39            | 0.41            | 0.10                            | 3.85                              | 0.39                         | 0.31                     | 1.87                            | 0.58                       | 0.97          |
| 39A           | 0.32            | 0.00                            | 0.00                              | 0.00                         | 0.32                     | 2.64                            | 0.84                       | 0.84          |
| 40            | 0.34            | 0.10                            | 3.85                              | 0.39                         | 0.24                     | 1.87                            | 0.45                       | 0.84          |
| 40A           | 0.28            | 0.00                            | 0.00                              | 0.00                         | 0.28                     | 2.64                            | 0.74                       | 0.74          |
| 41            | 0.52            | 0.17                            | 3.85                              | 0.65                         | 0.35                     | 1.87                            | 0.65                       | 1.30          |
| 41A           | 0.11            | 0.00                            | 0.00                              | 0.00                         | 0.11                     | 2.64                            | 0.29                       | 0.29          |
| 42            | 0.30            | 0.10                            | 3.85                              | 0.39                         | 0.20                     | 1.87                            | 0.37                       | 0.76          |
| 43            | 0.13            | 0.05                            | 3.85                              | 0.19                         | 0.08                     | 1.87                            | 0.15                       | 0.34          |
| 44            | 0.40            | 0.25                            | 3.85                              | 0.96                         | 0.15                     | 1.87                            | 0.28                       | 1.24          |
| 45            | 0.43            | 0.29                            | 3.85                              | 1.12                         | 0.14                     | 1.87                            | 0.26                       | 1.38          |
| 46            | 0.28            | 0.12                            | 3.85                              | 0.46                         | 0.16                     | 1.87                            | 0.30                       | 0.76          |
| 47            | 0.30            | 0.19                            | 3.85                              | 0.73                         | 0.11                     | 1.87                            | 0.21                       | 0.94          |
| 48            | 0.21            | 0.11                            | 3.85                              | 0.42                         | 0.10                     | 1.87                            | 0.19                       | 0.61          |
| 49            | 0.50            | 0.31                            | 3.85                              | 1.19                         | 0.19                     | 1.87                            | 0.36                       | 1.55          |
| 50            | 0.13            | 0.09                            | 3.85                              | 0.35                         | 0.04                     | 1.87                            | 0.07                       | 0.42          |
| 51            | 0.37            | 0.22                            | 3.85                              | 0.85                         | 0.15                     | 1.87                            | 0.28                       | 1.13          |
| 52            | 0.34            | 0.20                            | 3.85                              | 0.77                         | 0.14                     | 1.87                            | 0.26                       | 1.03          |
| 53            | 0.74            | 0.17                            | 3.85                              | 0.65                         | 0.57                     | 1.87                            | 1.07                       | 1.72          |
| 54            | 0.33            | 0.20                            | 3.85                              | 0.77                         | 0.13                     | 1.87                            | 0.24                       | 1.01          |
| 55            | 0.15            | 0.11                            | 3.85                              | 0.42                         | 0.04                     | 1.87                            | 0.07                       | 0.49          |
| 56            | 0.32            | 0.21                            | 3.85                              | 0.81                         | 0.11                     | 1.87                            | 0.21                       | 1.02          |
| 57            | 0.44            | 0.22                            | 3.85                              | 0.85                         | 0.22                     | 1.87                            | 0.41                       | 1.26          |
| 58            | 0.58            | 0.13                            | 3.85                              | 0.50                         | 0.45                     | 1.87                            | 0.84                       | 1.34          |
| 59            | 0.46            | 0.12                            | 3.85                              | 0.46                         | 0.34                     | 1.87                            | 0.64                       | 1.10          |
| 60            | 0.46            | 0.11                            | 3.85                              | 0.42                         | 0.35                     | 1.87                            | 0.65                       | 1.07          |
| 61            | 0.65            | 0.13                            | 3.85                              | 0.50                         | 0.52                     | 1.87                            | 0.97                       | 1.47          |
| 62            | 0.50            | 0.32                            | 3.85                              | 1.23                         | 0.18                     | 1.87                            | 0.34                       | 1.57          |
| 63            | 0.49            | 0.30                            | 3.85                              | 1.16                         | 0.19                     | 1.87                            | 0.36                       | 1.52          |
| 64            | 0.21            | 0.05                            | 3.85                              | 0.19                         | 0.16                     | 1.87                            | 0.30                       | 0.49          |
| 65            | 0.21            | 0.05                            | 3.85                              | 0.19                         | 0.16                     | 1.87                            | 0.30                       | 0.49          |
| 66            | 0.81            | 0.22                            | 3.85                              | 0.85                         | 0.59                     | 1.87                            | 1.10                       | 1.95          |
| 67            | 0.75            | 0.45                            | 3.85                              | 1.73                         | 0.30                     | 1.87                            | 0.56                       | 2.29          |
| 68            | 0.69            | 0.41                            | 3.85                              | 1.58                         | 0.28                     | 1.87                            | 0.52                       | 2.10          |
| 69            | 0.08            | 0.03                            | 3.85                              | 0.12                         | 0.05                     | 1.87                            | 0.09                       | 0.21          |
| 70            | 0.42            | 0.12                            | 3.85                              | 0.46                         | 0.30                     | 1.87                            | 0.56                       | 1.02          |
| 71            | 0.61            | 0.35                            | 3.85                              | 1.35                         | 0.26                     | 1.87                            | 0.49                       | 1.84          |
| 72            | 0.56            | 0.29                            | 3.85                              | 1.12                         | 0.27                     | 1.87                            | 0.50                       | 1.62          |
| 73            | 0.41            | 0.11                            | 3.85                              | 0.42                         | 0.30                     | 1.87                            | 0.56                       | 0.98          |
| 74            | 0.75            | 0.22                            | 3.85                              | 0.85                         | 0.53                     | 1.87                            | 0.99                       | 1.84          |
| 75            | 0.63            | 0.39                            | 3.85                              | 1.50                         | 0.24                     | 1.87                            | 0.45                       | 1.95          |
| 76            | 0.67            | 0.42                            | 3.85                              | 1.62                         | 0.25                     | 1.87                            | 0.47                       | 2.09          |
| 77            | 0.55            | 0.15                            | 3.85                              | 0.58                         | 0.40                     | 1.87                            | 0.75                       | 1.33          |
| 78            | 0.46            | 0.11                            | 3.85                              | 0.42                         | 0.35                     | 1.87                            | 0.65                       | 1.07          |
| 79            | 0.51            | 0.14                            | 3.85                              | 0.54                         | 0.37                     | 1.87                            | 0.69                       | 1.23          |
| 80            | 1.06            | 0.58                            | 3.85                              | 2.23                         | 0.50                     | 1.87                            | 0.94                       | 3.17          |

| Drainage Area | Total Area (AC) | Total 100% Impervious Area (AC) | 15 Year, 20 Min. 100% P.I. Factor | Total 15 Year, 20 Min 100% Q | Total 5% Impervious Area | 15 Year, 20 Min. 5% P.I. Factor | Total 15 Year, 20 Min 5% Q | Total 15 YR Q |
|---------------|-----------------|---------------------------------|-----------------------------------|------------------------------|--------------------------|---------------------------------|----------------------------|---------------|
| 81            | 0.63            | 0.16                            | 3.85                              | 0.62                         | 0.47                     | 1.87                            | 0.88                       | 1.50          |
| 82            | 0.50            | 0.13                            | 3.85                              | 0.50                         | 0.37                     | 1.87                            | 0.69                       | 1.19          |
| 83            | 0.62            | 0.37                            | 3.85                              | 1.42                         | 0.25                     | 1.87                            | 0.47                       | 1.89          |
| 84            | 0.69            | 0.43                            | 3.85                              | 1.66                         | 0.26                     | 1.87                            | 0.49                       | 2.15          |
| 85            | 0.43            | 0.21                            | 3.85                              | 0.81                         | 0.22                     | 1.87                            | 0.41                       | 1.22          |
| 86            | 0.88            | 0.55                            | 3.85                              | 2.12                         | 0.33                     | 1.87                            | 0.62                       | 2.74          |
| 87            | 0.63            | 0.17                            | 3.85                              | 0.65                         | 0.46                     | 1.87                            | 0.86                       | 1.51          |
| 88            | 0.67            | 0.17                            | 3.85                              | 0.65                         | 0.50                     | 1.87                            | 0.94                       | 1.59          |
| 89            | 0.30            | 0.17                            | 3.85                              | 0.65                         | 0.13                     | 1.87                            | 0.24                       | 0.89          |
| 90            | 0.10            | 0.07                            | 3.85                              | 0.27                         | 0.03                     | 1.87                            | 0.06                       | 0.33          |
| 91            | 0.30            | 0.18                            | 3.85                              | 0.69                         | 0.12                     | 1.87                            | 0.22                       | 0.91          |
| 92            | 0.10            | 0.07                            | 3.85                              | 0.27                         | 0.03                     | 1.87                            | 0.06                       | 0.33          |
| 93            | 0.50            | 0.14                            | 3.85                              | 0.54                         | 0.36                     | 1.87                            | 0.67                       | 1.21          |
| 94            | 0.59            | 0.18                            | 3.85                              | 0.69                         | 0.41                     | 1.87                            | 0.77                       | 1.46          |
| 95            | 0.72            | 0.15                            | 3.85                              | 0.58                         | 0.57                     | 1.87                            | 1.07                       | 1.65          |
| 96            | 0.44            | 0.12                            | 3.85                              | 0.46                         | 0.32                     | 1.87                            | 0.60                       | 1.06          |
| 97            | 0.53            | 0.18                            | 3.85                              | 0.69                         | 0.35                     | 1.87                            | 0.65                       | 1.34          |
| 98            | 0.29            | 0.06                            | 3.85                              | 0.23                         | 0.23                     | 1.87                            | 0.43                       | 0.66          |
| 99            | 0.23            | 0.13                            | 3.85                              | 0.50                         | 0.10                     | 1.87                            | 0.19                       | 0.69          |
| 100           | 0.23            | 0.13                            | 3.85                              | 0.50                         | 0.10                     | 1.87                            | 0.19                       | 0.69          |
| 101           | 0.04            | 0.01                            | 3.85                              | 0.04                         | 0.03                     | 1.87                            | 0.06                       | 0.10          |
| 102           | 0.56            | 0.35                            | 3.85                              | 1.35                         | 0.21                     | 1.87                            | 0.39                       | 1.74          |
| 103           | 0.55            | 0.35                            | 3.85                              | 1.35                         | 0.20                     | 1.87                            | 0.37                       | 1.72          |
| 104           | 0.26            | 0.16                            | 3.85                              | 0.62                         | 0.10                     | 1.87                            | 0.19                       | 0.81          |
| 105           | 0.26            | 0.16                            | 3.85                              | 0.62                         | 0.10                     | 1.87                            | 0.19                       | 0.81          |
| 106           | 0.72            | 0.44                            | 3.85                              | 1.69                         | 0.28                     | 1.87                            | 0.52                       | 2.21          |
| 107           | 0.51            | 0.30                            | 3.85                              | 1.16                         | 0.21                     | 1.87                            | 0.39                       | 1.55          |
| 108           | 0.35            | 0.22                            | 3.85                              | 0.85                         | 0.13                     | 1.87                            | 0.24                       | 1.09          |
| 109           | 0.35            | 0.22                            | 3.85                              | 0.85                         | 0.13                     | 1.87                            | 0.24                       | 1.09          |
| 110           | 0.64            | 0.40                            | 3.85                              | 1.54                         | 0.24                     | 1.87                            | 0.45                       | 1.99          |
| 110A          | 0.00            | 0.00                            | 3.85                              | 0.00                         | 0.00                     | 1.87                            | 0.00                       | 0.00          |
| 111           | 0.22            | 0.12                            | 3.85                              | 0.46                         | 0.10                     | 1.87                            | 0.19                       | 0.65          |
| 111A          | 0.00            | 0.00                            | 3.85                              | 0.00                         | 0.00                     | 1.87                            | 0.00                       | 0.00          |
| 112           | 0.23            | 0.03                            | 3.85                              | 0.12                         | 0.20                     | 1.87                            | 0.37                       | 0.49          |
| 112A          | 0.29            | 0.00                            | 0.00                              | 0.00                         | 0.29                     | 2.64                            | 0.77                       | 0.77          |
| 113           | 0.37            | 0.11                            | 3.85                              | 0.42                         | 0.26                     | 1.87                            | 0.49                       | 0.91          |
| 113A          | 0.37            | 0.00                            | 0.00                              | 0.00                         | 0.37                     | 2.64                            | 0.98                       | 0.98          |
| 114           | 0.11            | 0.03                            | 3.85                              | 0.12                         | 0.08                     | 1.87                            | 0.15                       | 0.27          |
| 114A          | 0.11            | 0.00                            | 0.00                              | 0.00                         | 0.11                     | 2.64                            | 0.29                       | 0.29          |
| 115           | 0.16            | 0.03                            | 3.85                              | 0.12                         | 0.13                     | 1.87                            | 0.24                       | 0.36          |
| 116           | 0.05            | 0.04                            | 3.85                              | 0.15                         | 0.01                     | 1.87                            | 0.02                       | 0.17          |
| 117           | 0.05            | 0.04                            | 3.85                              | 0.15                         | 0.01                     | 1.87                            | 0.02                       | 0.17          |
| 118           | 0.31            | 0.09                            | 3.85                              | 0.35                         | 0.22                     | 1.87                            | 0.41                       | 0.76          |
| 119           | 1.18            | 0.00                            | 3.85                              | 0.00                         | 1.18                     | 1.87                            | 2.21                       | 2.21          |
| 120           | 0.44            | 0.13                            |                                   |                              |                          |                                 |                            |               |