FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS
AND ENVIRONMENTAL SERVICES

AUTUMNWOOD PARK RETROFFITS:
BMP RETROFIT AND DRAINAGE IMPROVEMENT

CONTRACT NO. CN10316066
FUND NO. 316
PROJECT NO. SU8001-SU005

STORMWATER MANAGEMENT PROJECT

VICTORY CITY MAP
SCALE 1"=60'
STORMWATER CALCULATIONS

RUNOFF TO OUTLET
EXISTING CONDITIONS
DRAINAGE AREA = 6.874 AC, CN = 80,
Tc = 5 MINUTES

PEAK FLOW RATES
1 YEAR: 10.62 CFS
2 YEAR: 14.52 CFS
10 YEAR: 31.88 CFS
100 YEAR: 51.35 CFS

RUNOFF TO OUTLET
PROPOSED CONDITION
DRAINAGE AREA = 7.211 AC, CN = 77,
Tc = 15 MINUTES

PEAK FLOW RATES
1 YEAR: 7.29 CFS
2 YEAR: 10.41 CFS
10 YEAR: 24.38 CFS
100 YEAR: 40.10 CFS

PRE DEVELOPMENT DA
DA = 6.87 ACRES
CN = 80
Tc = 5 MINUTES

OUTLET POINT
OF INTEREST

1/10 inch = 1 foot