

## Stormwater Detention Requirements

The Village has a threshold value for the impervious area permitted on a redeveloped lot. If the threshold value is exceeded, then storm water detention is required. The method for calculating the impervious “C” value is shown on the enclosed worksheet.

The Composite C factor calculation formula for Glencoe:

$$C = \frac{\{[\text{Imperv. Area (S.F.)} \times 0.95] + [\text{Semi-Impervious Area (S.F.)} \times 0.70] + [\text{Pervious Area (S.F.)} \times 0.50]\}}{\text{Lot Area}}$$

Some examples of semi-impervious areas may be: gravel (on bare soil), brick pavers with under drains (preliminary detail/section shall be double checked with the Village).

Limiting C factors for different lot sizes are as follows:

- Lot area > 20,000 s.f.                      c = 0.62
- Lot area 10,000- 20,000 s.f.      c = 0.65
- Lot area <10,000 s.f.                      c= 0.67