

FIGURE B-1

Gravel / Stone Impervious Area Reduction Factor				
Hydrologic Soil Group	A	B	C	D
Reduction Factor	0.58	0.77	0.85	0.89

Sample Impervious Area Calculation

GIVEN: Property Size (parent tract) = 5+ acres
Hydrologic Soil Group = C
Existing Impervious Areas (paving, rooftops, etc.) = 2,500 SF
Proposed Impervious Areas = 8,000 SF
Existing Gravel / Stone Areas = 1,000 SF
Proposed Gravel / Stone Areas = 3,000 SF

FIND: Total impervious area to determine if the project is eligible for an exemption review by the Township based on the criteria in Section 905.3

SOLUTION:

1. For hydrologic soil group C, the gravel / stone area impervious reduction factor is 0.85.
2. Total Impervious Area = (2,500 SF + 8,000 SF) + [(1,000 SF + 3,000 SF) x 0.85]
$$= 10,500 \text{ SF} + 3,400 \text{ SF}$$
$$= \underline{13,900 \text{ SF}}$$
3. 13,900 SF < 15,000 SF therefore, in accordance with Section 905.3, this site may be exempt from the stormwater management requirements, subject to the review of the Township Engineer and at the sole discretion of the Township Supervisors.