APPENDIX K

Hydrologic Soil Groups for Washtenaw County

Soil properties influence the process of generation of runoff from rainfall and must be considered in methods of runoff estimation. The soils are classified on the basis of water intake at the end of the long-duration storms occurring after prior wetting and after an opportunity for swelling, and without the protective effects of vegetation. The hydrologic soil groups, as defined by the NRCS are:

A. Soils having high infiltration rates even when thoroughly wetted and consisting chiefly of deep, well to excessively drained sands or gravels. These soils have a high rate of water transmission and low runoff potential.

B. Soils having moderate infiltration rates when thoroughly wetted and consisting chiefly of moderately deep to deep, moderately well to well drained soils with moderately fine to moderately coarse textures. These soils have a moderate rate of water transmission.

C. Soils having slow infiltration rates when thoroughly wetted and consisting chiefly of soils with a layer that impedes downward movement of water, or soils with moderately fine to fine texture. These soils have a slow rate of water transmission.

D. Soils having very slow infiltration rates when thoroughly wetted and consisting chiefly of clay soils with a high swelling potential, soils with a permanent high water table, soils with a clay-pan or clay layer at or near the surface, and shallow soils over nearly impervious material. These soils have a very slow rate of water transmission and high runoff potential.

Soil Series	Group	Soil Series	Group	Soil Series	Group
Adrian	D/A	Kendallville	B	Pewamo	D/C
Blount	C	Kibbie	B	Riddles	B
Boyer	B	Kidder	B	Sebewa	D/B
Boyer-Kidder	B	Lamson-Colwood	D/B	Seward	B
Brookston	D/B	Macomb	B	Sisson	B
Cohoctah	D/B	Matherton	B	Sloan	D/B
Conover	C	Metamora	B	Spinks	A
Conover-Brookston	D/B	Miami	B	Spinks-Oshtemo	B
Dixboro-Kibbie	B	Morley	C	St. Clair	D
Edwards	D/B	Nappanee	D	Tedrow	B
Fox	B	Oakville	A	Thetford	A
Gilford	D/B	Oshtemo	B	Wasepi	B
Granby	D/A	Owosso	B	Wauseon	D/B
Houghton	D/A	Palms	D/A	Ypsi	C
Hoytville	D/C	Pella	D/B		

The first group is the native or undrained classification when the water intake has not been changed by artificial drainage. The second group is the classification after artificial drainage improvements. For use in the determination of developed runoff only the undrained classification will be accepted.