

**REVISION TO THE “STORMWATER MANAGEMENT IN THE TOKEN CREEK WATERSHED”
SECTION OF THE DRAFT PUMPKIN HOLLOW NEIGHBORHOOD DEVELOPMENT PLAN**

(INSERT TO PAGE 11 OF THE FEBRUARY 22, 2008 RECOMMENDED REVISIONS LISTING)

- Substitute the following revised narrative for the “Stormwater Management in the Token Creek Watershed” section in the Stormwater Management section (Pages 58 and 59):

Stormwater Management in the Token Creek Watershed. Token Creek is an important and sensitive water resource, and relatively restrictive stormwater management regulations are required to protect the Creek’s cold water and steady base flow. These regulations might be more restrictive by the time that development in the Pumpkin Hollow neighborhood reaches this watershed. In any case, an increasing understanding of the resource and more advanced stormwater management techniques should improve the ability to mitigate the impacts of future development on the Creek. Two potential stormwater management techniques applicable to the Token Creek watershed that have been discussed by the new Capital Area Regional Planning Commission are outlined below:

- To help maintain the amount of groundwater reaching Token Creek, some recent developments have been required to infiltrate the same amount of stormwater that was being infiltrated under pre-development conditions. In addition, some developments have been required to infiltrate an additional amount of stormwater equivalent to the amount of potable water that will be used by residents of the development that would presumably be pumped from within the watershed by municipal wells. These recharging requirements are intended to maintain the groundwater source that feeds seeps, springs, tributaries and ultimately the Creek’s base flow. There are indications that these requirements are very difficult to meet.
- Thermal controls may also be required for stormwater runoff from developments in the watershed in order to maintain the cool water temperature of Token Creek and its tributaries, and new developments may be required to demonstrate that future stormwater runoff will not increase the temperature of these waterways. These techniques may be applied to Token Creek and the two primary tributaries located between the Creek and STH 19 that are classified as a Coldwater Community.

These potential stormwater management techniques would make stormwater infiltration the principal approach to groundwater recharge and mitigation of cumulative groundwater impacts. However, the proposed approaches would not be feasible or reasonable in an urban context, particularly in regard to the proposed pumpage offsets---which also ignore important issues related to potential groundwater contamination. A broader strategy is recommended that would take account of many other potential approaches to reducing and reversing groundwater drawdown, both locally and regionally, and to protecting the base flow supporting surface water resources of special quality. It is recommended that the City work with County, Regional Planning Commission, and Wisconsin Department of Natural Resources staff to develop a comprehensive multi-jurisdictional strategy to protect and preserve groundwater resources which includes realistic infiltration requirements that can effectively be implemented in new development areas.

The ability of a particular development to comply with any infiltration recommendations will be partly dependent on specific site characteristics, such as the types of soils and the ability to infiltrate stormwater; and soil conditions could require modifications to the development locations and development densities recommended in the Land Use and Street Plan for the Pumpkin Hollow neighborhood. The possible need for modifications to the neighborhood plan will be considered at the time of future specific development proposals when more-detailed information about soil conditions will be available.
