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November 8, 2018

Mr. Timothy R. Asplund
Monitoring Section Chief
WDNR – Bureau of Water Quality
101 S. Webster Street
Madison, WI 53707-7921

Re: Water Quality Management Letter for Sewer Service Area Amendment Request #1706 – Verona USA

Dear Mr. Asplund:

The City of Verona has submitted a sewer service area amendment application to the Capital Area Regional Planning Commission requesting an expansion of the Verona Urban Service Area. The proposed amendment is located in the Badger Mill Creek watershed. The proposed amendment includes the addition of approximately 32.3 acres of land to the Verona Urban Service Area. There are no environmentally sensitive areas requiring placement in environmental corridors in accordance with the adopted environmental corridor policies and criteria of the *Dane County Water Quality Plan*. A public hearing was held on the proposed amendment at the October 11, 2018 Regional Planning Commission meeting. The City's application and the Commission staff's analysis report of the proposed amendment have been submitted to the Department's Surface Water Integrated Monitoring System.

It is the Capital Area Regional Planning Commission staff's opinion that the proposed amendment is consistent with water quality standards under Wis. Stat. § 281.15, with the conditions of approval identified below. Additional actions have also been recommended below to further improve water quality and environmental resource management.

At our November 8, 2018 meeting, the Capital Area Regional Planning Commission voted to recommend approval of this amendment to the Wisconsin Department of Natural Resources, based on the land uses and services proposed, and conditioned on the continued commitment of the City of Verona to pursue the following:

1. Submit a detailed stormwater management plan for Regional Planning Commission staff review and approval (in conjunction with DCL&WCD staff) prior to any land disturbing activities in the amendment area. The stormwater management plan shall include the following:

- a. Install stormwater and erosion control practices prior to other land disturbing activities. Protect infiltration practices from compaction and sedimentation during land disturbing activities.
 - b. Control peak rates of runoff for the 1-, 2-, 10-, and 100-year 24-hour design storms to “pre-settlement” rates, in accordance with the City of Verona Stormwater Ordinance.
 - c. Provide at least 80% sediment control for the amendment area based on the for the 1-year, 24-hour design storm, with a minimum of 60% of that control occurring prior to infiltration, in accordance with the City of Verona Stormwater Ordinance.
 - d. Maintain the post development stay-on volume to at least 90% of the pre-development stay-on volume for the average annual rainfall period, in accordance with the City of Verona Stormwater Ordinance.
 - e. Include provisions and practices to reduce the temperature of runoff, in accordance with the City of Verona Stormwater Ordinance.
 - f. Treat the first 0.5 inches of run-off using best management practices to provide oil and grease control at commercial and industrial sites, in accordance with the City of Verona Stormwater Ordinance.
 - g. Maintain pre-development groundwater recharge rates from the Wisconsin Geological and Natural History Survey’s 2012 report, *Groundwater Recharge in Dane County, Wisconsin, Estimated by a GIS-Based Water-Balance Model* (a range of 9.5 to 10 inches/year for the amendment area) or by a site specific analysis, in accordance with the Dane County Stormwater Ordinance.
2. Stormwater management facilities shall be placed in public outlots whenever feasible and designated as environmental corridor. Easements and perpetual legal maintenance agreements with the City, to allow the City to maintain stormwater management facilities if owners fail to do so, shall be provided for any facilities located on private property.
 3. Delineate environmental corridors to include any parks and stormwater management areas to meet the Environmental Corridor Policies and Criteria adopted in the *Dane County Water Quality Plan*. Submit plats showing environmental corridors for Regional Planning Commission staff review prior to recording.
 4. Design and/or operate the water supply such that the water meets drinking water standards, including nitrates given the proximity to nitrate contamination in the upper aquifer, and does not result in contamination of the deep aquifer.

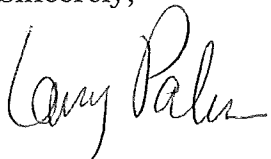
It is also recommended that the City of Verona pursue the following:

1. The municipal well should be cased and grouted through the Eau Claire Formation to reduce the potential for high nitrate levels in the water supply well as well as reduce the possibility of cross contamination by not cross connecting the shallow and deep aquifers across the Eau Claire aquitard as recommended in the *Groundwater Protection Planning Framework of the Dane County Water Quality Plan*.

2. Continue to encourage the responsible use of deicers and water softeners as an active participant in the Wisconsin Salt Wise Partnership.
3. Collaborate with watershed-wide efforts to examine and address the concern of higher water levels in Badger Mill Creek.
4. Participate in the Green Tier Clear Waters Initiative, which aims to reduce the sediment and nutrient delivery to Dane County's lakes and streams from construction activities, beyond the current state and local requirements.
5. Work together with the Regional Planning Commission and other communities to address the issues of stormwater runoff volume control and flooding in the region. Consider formation of a drainage district or equivalent agreement to remove obstructions and maintain flow through Badger Mill Creek.

If you have any questions regarding this matter, please do not hesitate to contact Mike Rupiper, the Commission's Director of Environmental Resources Planning.

Sincerely,

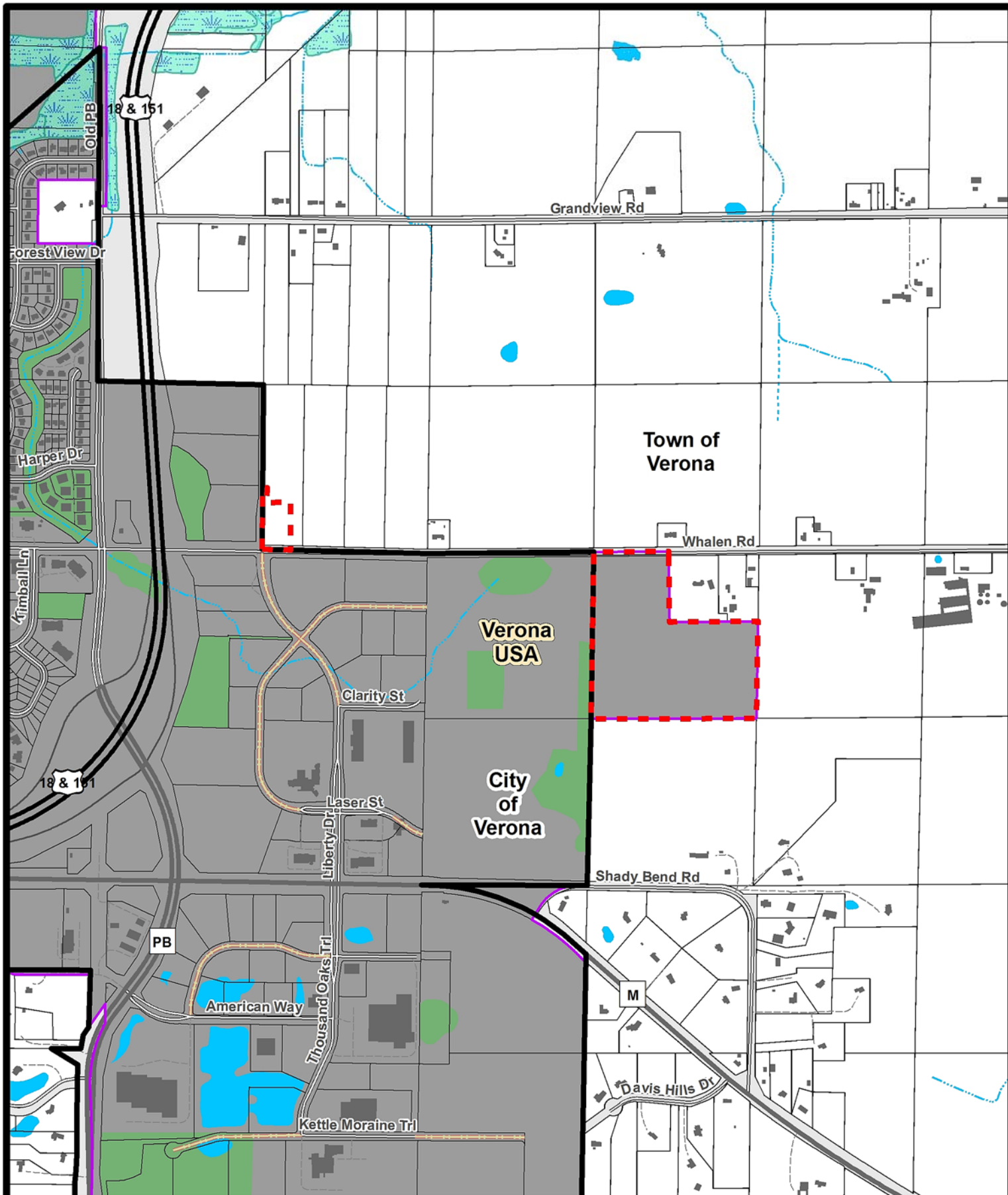


Larry Palm
Executive Chairperson



Kris Hampton
Secretary

cc: Mr. Adam Sayre, Director of Planning & Development, City of Verona



Map 1 Amendment Area

**Proposed Amendment to the
Dane County Water Quality Plan,
Revising the Sewer Service Area Boundary
in the Verona Urban Service Area**

- Service Area to be Added (32.3 acres)
- Incorporated Area
- Existing Service Area
- Environmental Corridor to be Added
- Existing Environmental Corridors

Date: 10/18/2018

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Prepared by staff
of the CARPC.