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August 8, 2019

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 #1902 –  
Dane USA

Dear Mr. Asplund,

The Village of Dane has submitted a sewer service area amendment application to the Capital Area Regional Planning Commission requesting an expansion of the Dane Urban Service Area. The proposed amendment is located in the Waunakee Marsh-Sixmile Creek watershed (HUC 12: 070900020601). It includes the addition of approximately 28.1 acres of land, including approximately 9.7 acres of proposed environmental corridor (for park, open space, and stormwater management) for a net of approximately 18.4 developable acres to the Dane Urban Service Area. There are no environmentally sensitive areas requiring placement in environmental corridors in accordance with the adopted policies and criteria of the *Dane County Water Quality Plan*. A public hearing was held on the proposed amendment at the July 11, 2019 Regional Planning Commission meeting. The Village'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 August 8, 2019 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 Village of Dane 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-development levels, in accordance with the Dane County Stormwater Ordinance.
  - c. Provide at least 80% sediment control for the amendment area based on the 1-year, 24-hour design storm, with a minimum of 60% of that control occurring prior to infiltration, in accordance with the Dane County Stormwater Ordinance.
  - d. Maintain the post development stay-on volume to at least 90% of the pre-development stay-on volume for the one-year average annual rainfall period, in accordance with the Dane County Stormwater Ordinance.
  - e. 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 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 Village, to allow the Village 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 the stormwater management areas, park, and open space, to meet *Dane County Water Quality Plan* criteria for the delineation of environmental corridors. Submit plats showing environmental corridors for Regional Planning Commission staff review and concurrence prior to recording.
  4. Work with the downstream property owner (Ripp) to address their concern of existing stormwater basin discharge through their property by doing some combination of the following options:
    - a. Coordinate and participate in the design and installation of a grassed waterway on their property.
    - b. Obtain an easement or other agreement for the discharge of stormwater from the Village through their property.
    - c. Mitigate the increased volume of discharge on their property prior to discharge through the Capitol Valley Way culvert by implementing stormwater practices that match the pre-development volumetric discharges from the Village to other private lands not under their control in storm events including the 1, 2, 5 & 10-year storms.
    - d. Stabilize the outlet of the culvert discharge under Capital Valley Way.

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- e. Improve the performance of the existing storm water management basins by modifying the outlet structures and possibly expanding the capacity in combination with new development.

It is also recommended that the Village of Dane pursue the following:

1. Encourage the responsible use of deicers and water softeners by participating in the trainings and outreach activities of the WI Salt Wise Partnership.

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,

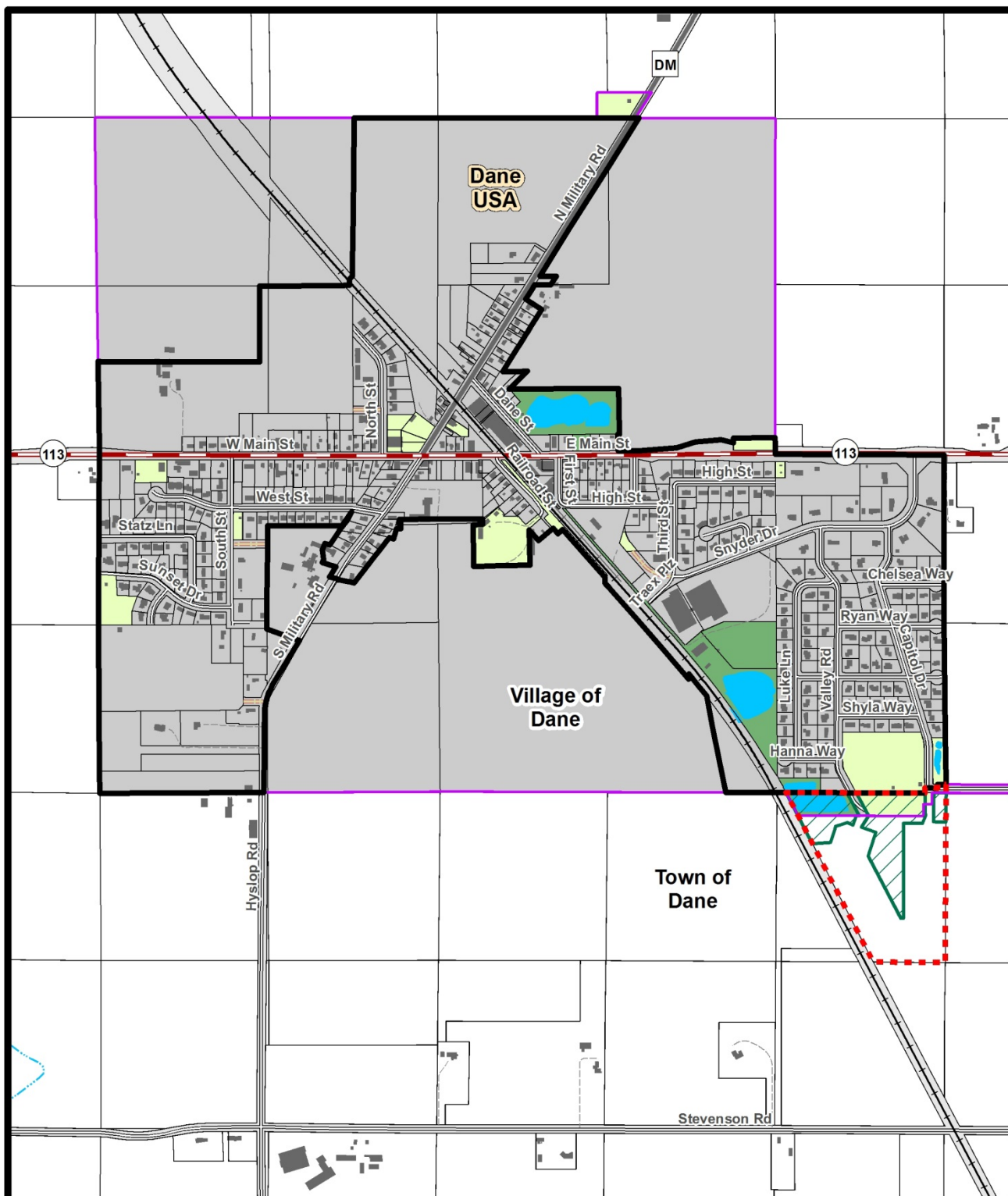


Larry Palm  
Executive Chairperson



Kris Hampton  
Secretary

cc: Mr. Roger Schmidt, Village President, Village of Dane  
Mr. Andrew Bremer, MSA Professional Services, Inc.



# Map 1 Amendment Area

Proposed Amendment to the  
Dane County Water Quality Plan,  
Revising the Sewer Service Area  
Boundary and Environmental Corridors  
in the Dane Urban Service Area

- Incorporated Area
- Service Area To Be Added (28.1 acres)
- Existing Service Area
- Environmental Corridor to be Added (9.7 acres)
- Existing Environmental Corridors

Date: 06/03/2019

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Feet



Prepared by staff  
of the CARPC.