



**Resolution CARPC No. 2016-10-A**

**Recommending to the Wisconsin Department of Natural Resources amendment of the Areawide Water Quality Management Plan for Dane County by revising the Central Urban Service Area boundaries in the Village of McFarland**

WHEREAS, the Capital Area Regional Planning Commission (CARPC) is a duly created regional planning commission under Wis. Stats. § 66.0309; and

WHEREAS, the CARPC has an agreement with the Wisconsin Department of Natural Resources (WDNR) to provide water quality management planning assistance to the WDNR; and

WHEREAS, the CARPC has adopted, reaffirmed, and recommended amendment of the *Water Quality Management Plan for Dane County*; and

WHEREAS, said plan delineates urban and limited service areas and environmental corridors as amended through June 2016; and

WHEREAS, the Village of McFarland has requested an addition to the Central Urban Service Area; and

WHEREAS, a staff analysis of the proposed amendment has been prepared, which indicates that the amendment is consistent with the water quality standards under Wis. Stats. § 281.15.

NOW, THEREFORE, BE IT RESOLVED that in accordance with Wis. Stats. § 66.0309, and Sec. 208 of Public Law 92-500, the Capital Area Regional Planning Commission recommends the amendment of the *Water Quality Management Plan for Dane County* by revising the Central Urban Service Area boundaries as shown on the attached map.

The recommendation for approval of this amendment is based on the land use and urban service plans submitted in support of this amendment, and conditioned on the Village of McFarland pursuing the following:

1. Submit a detailed stormwater management plan for CARPC and DCL&WCD staff review and approval 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. 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.

- d. 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 (an average of 9.6 in./yr. for the amendment area) or by a site specific analysis.
  - e. Provide at least 80% sediment control for the amendment area based on the average annual rainfall record, with a minimum of 60% of that control occurring in a retention pond prior to infiltration, in accordance with the Dane County Stormwater Ordinance.
  - f. Treat the first 0.5 inch of runoff from parking lots to control oil and grease, in accordance with the Dane County Stormwater Ordinance.
  - g. Continue to work with the adjacent property owner to the east on a drainage easement.
2. Easements and perpetual legal maintenance agreements with the Village shall be provided to allow the Village to maintain the stormwater management facilities if the school district fails to do so.

It is also recommended that the Village of McFarland / McFarland School Board pursue the following measures:

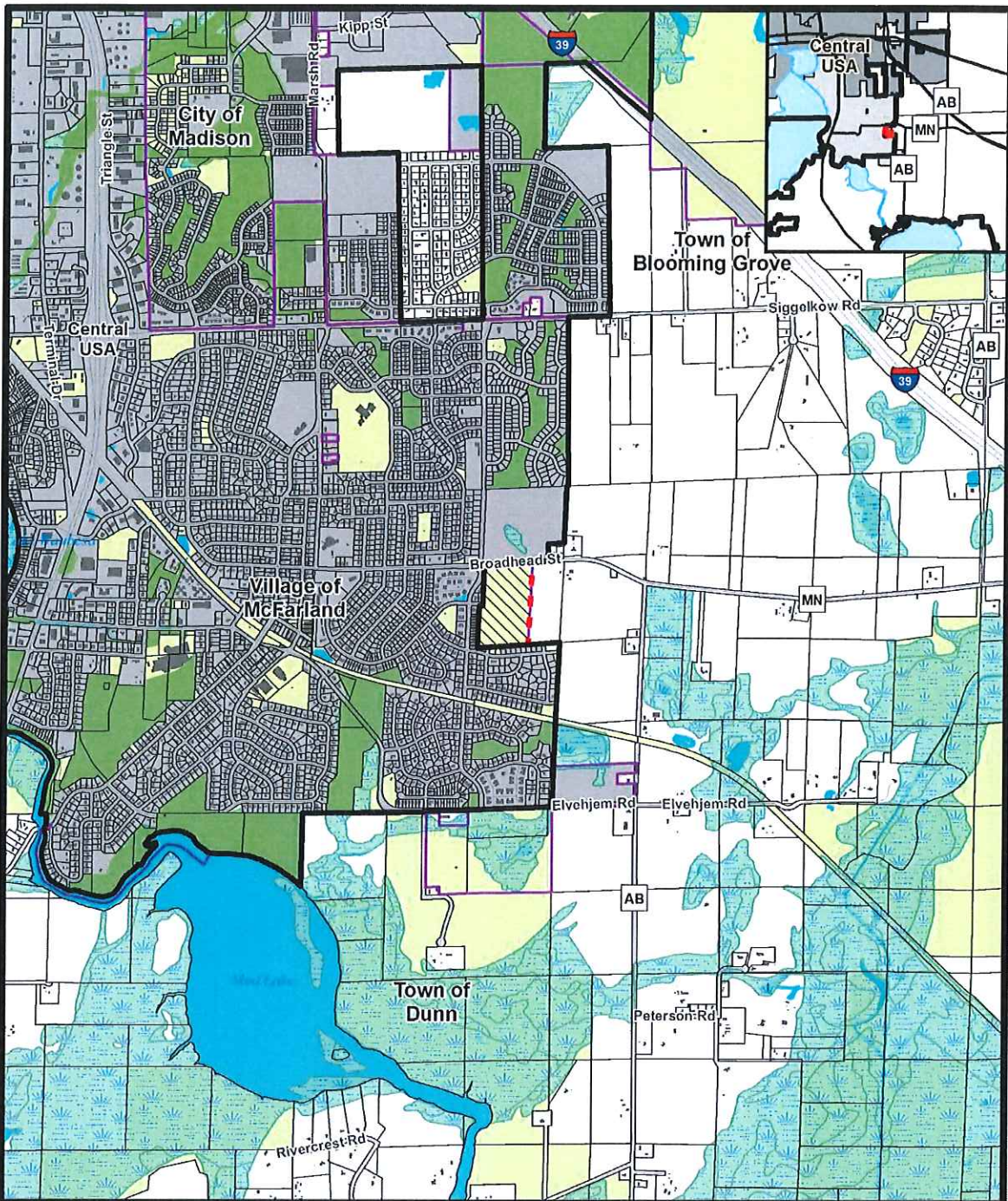
1. The McFarland School Board should consider designing stormwater management practices in the amendment area to maintain the post development stay-on volume to 100% of the pre-development stay-on volume for the one-year average annual rainfall period, as defined by WDNR.
2. Consider amending the Village's stormwater ordinance to require maintaining 100% of the pre-development stay-on volume for the one-year average annual rainfall period, as a means of contributing to a reduced potential for high lake levels and flooding on Lake Kegonsa, as well as, increased baseflow in the Yahara River. The effectiveness of this approach will ultimately depend on the collaboration of other municipalities within the watershed to adopt the same standard. This standard has been adopted in the Village of Cross Plains, Village of DeForest, and Town of Westport and will be considered by a joint Technical Advisory Committee of CARPC and the Dane County Lakes and Watersheds Commission.
3. Request a formal Endangered Resources review by the WDNR (<http://dnr.wi.gov/topic/ERReview/Review.html>) or one of their certified reviewers and take necessary habitat protection measures if species are found.
4. Develop a water loss control plan to reduce the amount of groundwater pumping and water distribution necessary to serve the community.

July 14, 2016  
Date Adopted

  
Larry Palm, Chairperson

  
Kris Hampton, Secretary



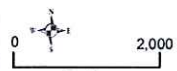


**Map 1 Amendment Area**

**Proposed Amendment to the  
Dane County Land Use and Transportation Plan  
and Dane County Water Quality Plan, Revising  
the Central Urban Service Area Boundary  
in the Village of McFarland**

- Incorporated Area
- Service Area to be Added (23.3 acres)
- Existing Service Area
- Existing Environmental Corridors
- Public Land

Date: 6/6/2016



Feet  
Prepared by staff  
of the CARPC.