



Jeremy Balousek, P.E., Division Manager
Joe Parisi, Dane County Executive

Land Conservation • Office of Lakes & Watersheds • Parks • Water Resource Engineering

Thursday, April 7, 2022

Peter Fortlage, P.E.
Burse Surveying & Engineering, Inc.
2801 International Lane, STE 101
Madison, WI 53704

RE: 533 Waterloo Road- Preliminary Review

Dear Mr. Fortlage:

Per your request I have reviewed the conceptual erosion control and stormwater management plans for the proposed commercial redevelopment located at 533 Waterloo Road in the Town of Medina, Dane County Wisconsin. This preliminary review is based on the information you have provided to date and is consistent with the preliminary review process found in Chapter 14, Dane County Code of Ordinances (DCCO).

The proposed development will require erosion control and stormwater management permits from this office. This site is subject to the erosion control and stormwater management performance standards described in §14.11(3) and §14.12(2) DCCO. The following items will need to be addressed in the erosion control and stormwater management plans:

1. The erosion control plan must be designed to prevent gully and bank erosion, limit total off-site annual sediment yield from sheet and rill erosion to less than 5.0 tons/acre and provide a stable outlet capable of carry the design flow.
2. The proposed commercial redevelopment does not result in the cumulative addition of 20,000 SF of impervious surfaces and therefore is subject to redevelopment stormwater management standards. The stormwater management plan must be designed to provide a 40% TSS reduction and oil and grease control from parking and traffic areas, and capture the first 0.5 inch of runoff from redeveloped imperious surfaces using green infrastructure.
3. The conceptual plan includes a bioretention basin located east of the parking area and in the northeast corner of the site. The bioretention basin bottom area is shown at 735 SF but modeled at 1,223 SF. There appears to be very little room to expand the footprint of the bioretention basin in the event that the 40% TSS reduction is not met.
4. Oil and grease control is not addressed for the portion of the parking lot that does not drain to the bioretention basin. The proposed retaining wall could be constructed such that runoff could pass between open joints and enter the basin.

5. A properly sized culvert should be constructed at the driveway entrance off Waterloo Road in order to maintain the existing drainage pattern within the right-of-way.

It is my opinion that based on the information provided, the minimum performance standards could be met with proper site evaluation and design. The above items will need to be addressed as part of the final design. Completed permit applications and plans will need to be submitted for review, approved and permits prior to commencement of any land disturbing activity.

Sincerely,



Jason Tuggle
Urban Erosion Control Analyst
Water Resource Engineering
Dane County Land & Water Resources
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Cc: Majid Allan, Senior Planner, Dane County Planning & Development (email)
Roger Lane, Dane County Zoning Administrator (email)