

Friday, August 16, 2024

Sarah Church  
Vierbicher Associates  
999 Fourier Drive, STE 201  
Madison, WI 53717

**RE: Van Holten's Tank Yard- Preliminary Review**

Dear Sarah Church:

Per your request, I have reviewed the conceptual erosion control and stormwater management plans dated July 16, 2024 for Van Holten's Tank Yard, located in the Town of Medina, Dane County Wisconsin. This preliminary review is based on the information 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 shoreland 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 stormwater management plan includes Phase I development only. Impervious area assumptions have not been made for the future tank yard expansion. It is not clear if additional areas will need to be dedicated to stormwater management.
2. The proposed bioretention basin does not meet DNR Technical Standard 1004. The maximum contributing drainage area allowed by the standard is 2 acres. You may want to consider a wet pond to infiltration basin design.
3. A site evaluation for infiltration per DNR Technical Standard 1002 is not included in the report. This will be required at the time of application.
4. 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. Limiting the disturbed area, and the duration of soil exposure will be key elements in the plan.
5. The proposed swale must be designed for capacity and stability for a 10 year, 24-hr storm. Velocity and stability calculations will be required at the time of application.

Items 1 and 2 need to be addressed before I can reasonably state that the site can meet minimum performance standards. All 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  
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Water Resource Engineering  
Dane County Land & Water Resources  
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Cc: Rachel Holloway (Dane County Zoning)  
Majid Allan (Dane County Planning & Development)  
Matthew Miller (Vierbicher Associates)  
Brian Barritt (Vierbicher Associates)