

Tuesday, March 21, 2023

Duane & Candace Swalheim 2011 Rev Tr
C/o Duane Swalheim
436 Connie St
Cottage Grove, WI 53527

Cottage Grove Rural Business Lots - Stormwater Management Permit SM2022-0366

Duane Swalheim:

The stormwater management permit for Cottage Grove Rural Business Lots has been issued. The approved stormwater management plan, dated November 10, 2022, meets the requirements of Dane County's stormwater management ordinance. The development is subject to the following permit requirements:

1. All components of the stormwater management system must be constructed in accordance with the approved plans and applicable WI DNR and Dane County standards.
2. All stormwater management facilities shall be installed prior to Monday, May 15, 2023.
3. Upon completion of construction, as-built certification, bearing the seal of a professional engineer licensed in the State of Wisconsin must be submitted for approval.
4. Stormwater management facilities must be maintained in accordance with the approved plan and stormwater management system maintenance agreement.

Stormwater Management Standards and Proposed Practices

Performance Standard

Proposed Practices and Performance Achieved

Sediment Control
80% Reduction

Two wet ponds are designed to reduce by 80% the average annual total suspended solids load. These ponds have been designed to treat the proposed roadway and future lot development assuming 85% lot coverage (split 30% roof and 70% parking).

Performance Standard

Proposed Practices and Performance Achieved

Oil and Grease Control

Treat first half-inch

The proposed driveway is not a significant source area for oil and grease pollution. Future lot development must satisfy this requirement individually.

Temperature Control

No Increase

This project is not within the watershed of a thermally sensitive water resource.

Runoff Rate Control

Maintain predevelopment peak discharge rates

Two wet ponds are designed to maintain peak runoff rates for the 1, 2, 10, 100 and 200 year, 24 hour design storms. These ponds have been designed to treat the proposed roadway and future lot development assuming 85% lot coverage (split 30% roof and 70% parking).

Infiltration


90% of predevelopment stay-on

The proposed roadway is exempt from this requirement due to the depth of clay soils and the inability to reasonably achieve the minimum required separation distance to groundwater. Future lot development must satisfy this requirement individually.

Any proposed changes to the stormwater management plan or construction schedule must be submitted and approved prior to implementation.

If you have any questions please contact me at your earliest convenience.

Sincerely,



Jason Tuggle
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Water Resource Engineering
Dane County Land & Water Resources
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