

From: [Hilbert, Hans](#)
To: [Mergen, Elliott](#)
Cc: [Scott Anderson](#); [Balousek, Jeremy](#)
Subject: RE: Cherokee Golf Course - LWRD Comments
Date: Tuesday, October 12, 2021 8:33:38 AM

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Thank you. I'll forward this on to Brian Standing for inclusion with the rezone file.

Hans

From: Mergen, Elliott <Mergen.Elliott@countyofdane.com>
Sent: Monday, October 11, 2021 2:59 PM
To: Hilbert, Hans <hilbert.hans@countyofdane.com>
Cc: Scott Anderson <sanderson@snyder-associates.com>; Balousek, Jeremy <balousek@countyofdane.com>
Subject: Cherokee Golf Course - LWRD Comments

Hans,

Jeremy and I have reviewed the plan drawings and associated documents for the proposed redevelopment of Cherokee Golf Course. The development calls for adding 4 acres of ponded water surface (impervious) and 1.58 acres of golf cart paths, equivalent to 243,000 square feet of impervious surfaces. The majority of the golf course will be disturbed for dredging and filling operations. Most of the existing culverts will be either modified or removed to increase water flow through the site. Based on this, the site will need to obtain both erosion control and stormwater permits. More specific comments are details below.

1. Meeting erosion control standards may be difficult if the DNR (or County) does not allow the existing water bodies to be used as sediment traps.
2. It's expected that most of the site will be exempt from infiltration due to depth to groundwater.
3. 80% Sediment control is required for new cart paths (not ponded water) and will likely be treated with filter strips, but treatment of existing parking areas would also be allowed.
4. It's been discussed with the engineer that HEC-RAS will be used to model peak rate control. A more detailed model than that previously provided in the flood study will need to be created to show this.

Please contact me or Jeremy if you have any other questions or want to discuss further.

Thank you,

Elliott Mergen, P.E.

Dane County Land & Water Resources Department

Water Resource Engineering Division

608-516-8038