

Room 116, City-County Building, Madison, Wisconsin 53703
Fax (608) 267-1540

DANE COUNTY PLANNING & DEVELOPMENT

*Housing &
Economic
Development*

(608)266-4270, Rm. 362

Planning

(608)266-4251, Rm. 116

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(608)266-4266, Rm. 116

TO: Town of Rutland

FROM: Dan Everson, Assistant Zoning Adm.

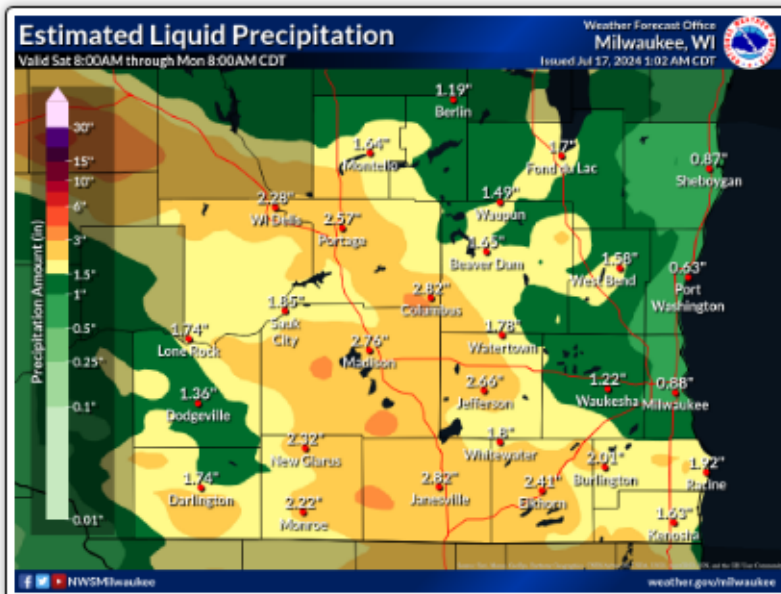
DATE: July 17, 2024

RE: CUP 2582 Mineral extraction summary – Flooding concerns

To whom it may concern,

On July 16, 2024, I received an email from Town of Rutland Chair Kent Knutson expressing concerns about stormwater runoff and pumping stormwater from the quarry to the ditch and ultimately flooding the cemetery. In the afternoon of July 16, I conducted a site inspection to follow up on these concerns.

First off, there was a large storm event on the evening of July 15, 2024 and this entire area experienced more than normal flooding. I noticed standing water throughout the easterly portion of the cemetery as well as a flooded field south of the intersection of Center Rd. and Old Stage Rd. NWS is reporting over 3" in three days in this area.



Observed rainfall between 7:00 AM July 13 and 7:00 AM July 16.

I walked throughout the quarry site and observed a washed out area of rock near the new driveway entrance and breaker stone in the ditch adjacent to the concrete culvert. I also noticed a small dug out pond straight west of the driveway and against the southerly berm to retain surface water from the soybean field. This newly created pond was overflowing and a water was running towards the driveway and to the ditch. No water was being pumped out.





I indicated to the quarry operator, Kevin Hahn that no stormwater is to leave the site other than occasional discharging which is tied to DNR Permit WI-A046515-06. Dewatering is allowed from time to time and may be pumped off-site to the nearby road ditch.

CUP 2582 Condition #23 - Any water pumped off-site shall be in accordance with Wisconsin DNR Stormwater Discharge Permit WI-A046515-06. There shall be no dewatering of groundwater from the site for operations below the watertable.

I understand the reasoning for the small dugout pond is to alleviate flooding of the agricultural field within the CUP boundary. However, with the recent storm events and the current saturation levels within the area, the operator will need to reach out to the Dane County Land & Water Resources department to find a solution and design and engineer a suitable detention pond within the site so nothing leaves the site naturally. This will be critical as a large storage building is being proposed in this same area.

This detention pond is not part of the approved operations plans prepared by Mendota Consulting. In addition, the ditch will need to be cleaned out in order to prevent stormwater further backing up.



Street view August 2023 – new culvert for cemetery



Looking north



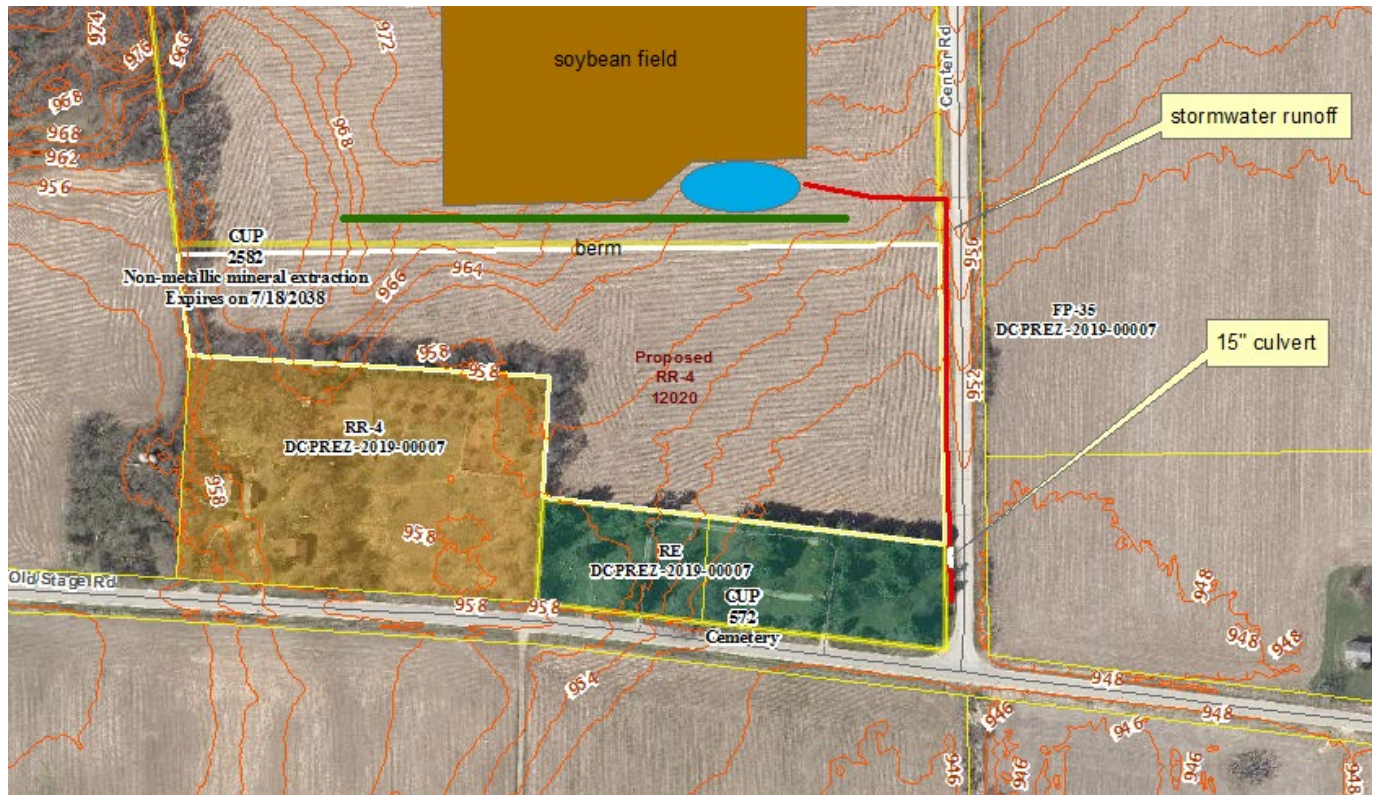
Cemetery entrance



Looking north



Cemetery on site



Contours

My findings suggest that flooding within the cemetery is for a few different reasons.

- Surface water running southerly from the adjacent agricultural field (CSM lot) to the north.
- Internally standing water within the cemetery in low areas near the narrow access roads. Water can't leave and either evaporates or naturally drains.
- The newly placed culvert along Center Rd. in my opinion is undersized. It has been somewhat flattened on the south end and slightly damaged on the north side. Perhaps an 18" minimum or even greater diameter pipe should be installed.

Dan Everson
Assistant Zoning Administrator
267-1541

CC:
K & D Stone
Jeremy Balousek – Land & Water