



**STORMWATER MANAGEMENT COMMISSION**

September 9, 2019

John W. Koffel  
100 Old School Road  
Mettawa, IL 60045

Subject: Watershed Development Permit No. 14-31-094  
Sound Isolation Berm  
**NOTICE OF ORDINANCE VIOLATION**

Dear Mr. Koffel:

Thank you for providing emails and attachments on August 5, 2019 and September 3, 2019. Comments from our July 12, 2019 letter remain outstanding as included below. In order to allow sufficient review time prior to the October 14, 2019 hearing date, we request the following items by **October 7, 2019**:

1. Please provide a single Plat document containing, at a minimum, the following items:
  - a. Boundary survey for property lines adjoining the Tollway right-of-way and Trelka property.
  - b. 1-foot topographic elevations showing the location and limits of the entire berm.
  - c. Due to the tree canopy obstruction in the aerial topography, additional field survey is needed. Please include survey points, elevations, and a delineation of the toe of the berm with setback dimensions along the Tollway right-of-way and Trelka property.
  - d. Certification and signature by an Illinois Registered Land Surveyor, in accordance with State of Illinois requirements.
  - e. Signed statement(s) by Registered Professional Engineer(s) that account for the constructed conditions and the likelihood of damage to adjoining properties.

2. As confirmed in the August 2, 2019 EDI letter, the southern drainage ditch along the Trelka property is outside of your property ownership. A drainage easement is required for the clouded portion shown on the April 22, 2018 photograph below.



3. The Global Stability Analysis report, prepared by Wang Engineering, was received on September 3, 2019. Please enhance the report to address the following comments:
  - a. The report shall be signed and sealed by an Illinois Registered Professional Engineer or Structural Engineer.
  - b. Please include the unit weights for the cohesive soil profiles on the boring logs.
  - c. The report includes slope stability calculations assuming a 1:1.5 (V:H) slope. There appear to be non-uniform slopes steeper than 1:1.5 (V:H) indicated on the July 29, 2019 Contour Exhibit. Please include this exhibit in the report along with additional analyses and re-calculated factors-of-safety, as applicable.
  - d. Please provide SMC a CAD or DGN file of the exhibit.dgn contours (July 29, 2019).
  - e. A failure has occurred in the recent past causing earthen material to collide with and damage Tollway fencing. Localized areas where slopes exceed 1:1.5 (V:H) may have a greater potential for failure than a global slope failure. Please enhance the report to include a narrative section on the berm's potential for localized slides.
  - f. The Village of Green Oaks has received complaints about unusual turbidity of the water in the west pond in the Lucky Lake Development. This pond is on the east side of the Tollway, directly downstream of western Tollway right-of-way adjacent to the berm. Continued rill erosion or localized slides may be contributing sediment to the Tollway drainage system and causing the turbidity issue in the Lucky Lake Development. SMC and the Village of Green Oaks will continue to monitor the turbidity issue. If the berm is the contributing source, we anticipate the occurrence to lessen as the berm progresses toward full stabilization.

Should you have any questions, please feel free to contact me any time.

Sincerely,

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION



Kurt Woolford, P.E., CFM  
Chief Engineer / Enforcement Officer

C: Bob Irvin – Mettawa Village Administrator  
Dan Krill – Code Enforcement Manager, Lake County  
Larry Clark – State's Attorney, Lake County