



May 1, 2019

Paul Martens
JSD Professional Services, Inc.
W238 N1610 Busse Rd Suite 100
Waukesha, WI 53188

Dear Paul,

Thank you for contacting me regarding the proposed wet detention pond for the Avid Hotel site.

Based on the location of the proposed pond located approximately 0.55 miles west-southwest of the Waukesha Airport at the Avid Hotel site, the pond would be considered a wildlife attractant per FAA guidelines and would be located within the 10,000 feet separation criteria for airports and wildlife attractants.

Due to the proximity of your site to the approach course to our main runway, we would greatly prefer to have you design and install a dry detention pond. However, based on our conversations and a review of your site plans, I've attached an analysis and list of recommendations for your proposed wet detention pond.

If you have any questions or concerns please let me know. After construction is completed, I would like to inspect the site to ensure the planned mitigation techniques are in place.

Sincerely,

Kurt Stanich
Manager

Encl: Analysis

Avid Hotel Analysis

Location:

The proposed pond would be located just north of an existing pond. The pond would not be considered unique habitat for the area where wildlife (i.e. migratory birds) would be attracted to in relation to other ponds. With other numerous water sources closer to the Airport, the proposed pond is not expected to provide ample nesting or feeding opportunities which would attract waterfowl, water birds, or other shorebirds that are not already present in the surrounding environment.

However, the detention pond does not preclude the fact that transient species of birds may stop over to loaf and rest at the proposed pond location. There is potential for birds that are moving from this pond to other surrounding ponds to be flying within the airspace of the Waukesha Airport. This proposed pond at the Avid Hotel site would not necessarily increase the bird presence in the area given the similar habitat around this location.

Installation Recommendations:

- Reviewing the proposed wildlife mitigation plans for your proposed wet pond in lieu of constructing a dry detention pond and considering the normal water levels shown on the drawing, our wildlife biologist believes the height of the rip rap on the bank is sufficient.
 - o That rip rap will discourage wildlife from loafing on the edge of the pond.
 - o Having the wire grid above the pond is an acceptable wildlife deterrent that will further discourage use of the pond surface. The drawing shows the grid spacing at 10' x 10'.
 - If that is correct, grid spacing at that size would discourage larger birds from flying into the pond. However, smaller birds especially waterfowl/ducks would still be able to maneuver through those spaces.
 - The grid would be more successful in deterring wildlife if the grid squares were made smaller to further reduce attractiveness to waterfowl.

- At the proposed pond site, maintenance of turf vegetation surrounding the pond:
 - o Should be kept to within 6 to 12 inches in length within
 - o Any grasses, shrubs, or other landscaping planted should be small seed producing varieties to discourage the area from becoming a food source for hazardous wildlife.
- The pond will require seasonal monitoring to determine if significant numbers of birds are being attracted to the location and if their flying presence could impact traveling aircraft. If so, mitigation/management should be considered for this proposed pond.