



Department of Public Works

August 16, 2005

Mr. Greg Allison, P. E.
MKEC Engineering Consultants, Inc.
411 N. Webb Road
Wichita, KS 67206

SUBJECT: Drainage Plan
Auburn Hills Commercial 4th Addition
Wichita, Kansas

Greg:

We have completed our first review of the submittal for the subject site with regards to the City of Wichita's stormwater and floodplain policies. The items submitted for our review were as follows:

1. Bound Report entitled "Drainage Plan, Auburn Hills Commercial 4th Addition, Wichita, Sedgwick County, Kansas" prepared by Baughman Company and submitted on August 3, 2005.

Based upon the above item, we offer the following comments:

1. The plan sheets and report should be stamped and signed by a Kansas Licensed Professional Engineer, including the P. E. expiration date.
2. The proposed stormwater pipe system should be either sized to have the capacity for the 100-year storm event or the plan sheet should be noted to have final site grades established that will be tributary to the proposed detention facility.
3. The existing and proposed contours should be clearly labeled and coincide with the areas used in the stage-storage-discharge relationship found in the calculations. This relationship should be included on the plan sheet for future reference.
4. The detention facilities shall provide an overflow structure and overflow path that can safely pass excess flows through the development site. The location of the proposed overflow from the detention facility should be shown on the plan set. The capacity of the overflow channel structure/channel should have a minimum of 1 cfs/acre.

Engineering Division

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5. A detail of the overflow weir or emergency flow path should be included on the plan set including all relevant dimensions and elevations.
6. The City of Wichita requires a minimum of one-foot free board to be provided on all detention facilities. There is not enough information on the plan to verify the freeboard requirements.
7. As a reminder, Drainage Easements need to be provided over/about the on-site storm sewer system, and the over land drainage swales, which are necessary to convey the 100-year storm event to the detention facility.
8. As a reminder, An electronic copy of the drainage plan, grading plan, supporting documentation, and input files for the modeling should be included on a CD and enclosed in the bound report.

We are requesting a comment and response letter to be bound behind the cover of the resubmitted drainage report. If you have any questions or concerns regarding this review, please contact me by phone at 268-4624 or email at slindebak@wichita.gov.

Sincerely,



Scott C. Lindebak, P.E.
Civil Engineer

cc: file

Vicky Huang, Subdivision Engineer

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