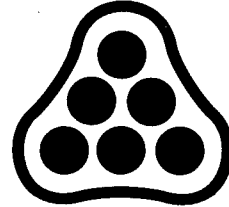


APR 15 1993

April 14, 1993



PROFESSIONAL
ENGINEERING
CONSULTANTS
PROFESSIONAL ASSOCIATION

Mr. Stephen R. Lackey, P.E.
Director of Public Works
City of Wichita
455 N. Main, 8th Floor
Wichita, KS 67202

Reference: Lake in Lake Ridge Estates
Block 1, Reflection Ridge Addition
PEC File No. 36-93004-2273

Dear Mr. Lackey:

As discussed in our telecon of April 12, 1993, we hereby request on behalf of Reflection Ridge, Inc. your approval to install a submersible pumping system in an existing storm water sewer manhole lying at the southwest corner of Lot 17, Block 1, Reflection Ridge Addition.

The purpose of this pump would be to provide a means of drawing down the existing storm water detention rate to the revised static pool elevation of 158.0. The existing siphon discharge line from this lake has proved to be inadequate over the wet period we had last summer. We estimate the existing capacity of discharge to be 60 gallons/minute. The proposed system would be more positive in that it would provide 200 gallon/minute capacity and would overcome the limitations of a siphon system. Reflection Ridge, Inc. would be responsible for the installation and maintenance of this pumping plan over its life. This request is merely to use the existing structure to serve as a wet well and the existing storm sewer pipe to serve as a suction line from the lake. The manhole in question is constructed at Sta. 1+08 on Line No. 2 of the City's Storm Water Sewer No. 346 project.

The design consideration for the lake was to store the entire 100-year storm of 3.2 acre-feet in the lake. As reported in a letter dated February 27, 1991, PEC provided data to show that the storage volume above elevation 158 is available to store the entire 100-year storm. This is the operating condition which we would propose for this system. Under this system, therefore, the entire 100-year storm can be stored and discharged from the lake in 4 days, thereby providing complete storage volume for the next storm.

We also would like to formally state our question on a related matter: Does the City have statutory powers to take a drainage easement, by condemnation if necessary, outside the Corporate Limits? As you know, the purpose of the easement would be to alleviate a potential flooding hazard to homes in Block 1 of Reflection Ridge Addition. After you have an opportunity to consult with legal staff regarding this question, please contact us with their opinion.

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Mr. Stephen R. Lackey, P.E.
City of Wichita
April 14, 1993
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Your review of this request at your earliest convenience is requested and your favorable consideration would be appreciated. If you have any questions regarding the technical matters, please contact Mr. Michael Berry or Mr. Michael Schomaker at PEC at 262-2691. Any other questions can be addressed to Mr. Marvin Schellenberg of Reflection Ridge, Inc. or Mr. John Wright at 721-2153.

Very truly yours,

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.



Michael W. Berry, P.E.
Manager
Land Development Division

MWB:st

cc: John Wright, Reflection Ridge, Inc.
Marvin Schellenberg, Reflection Ridge, Inc.
RDP - Lake Ridge File