



P.O. Box 226 • Seneca, KS 66538 • 785/336-3760
FAX 785/336-2751 • <http://www.krwa.net>

February 15, 2010

Dennis Stigge
City of Washington
PO Box 296
Washington KS 66968

Dear Dennis,

As requested, we discussed issues associated with a drainage ditch east of the lagoons and adding a new area to sewer the system. That section may include the new hospital.

In reviewing the lagoon, there is noticeable erosion in the drainage ditch. I recommended that small five (5) to eight (8)-inch diameter riprap be placed in the ditch. I suggest that you may want to slope the ditch sides and then add riprap to reduce further erosion.

Presently, the erosion does not affect the lagoon dikes; it certainly may in the future. Doing some grading and riprap addition each year would be a cost effective approach on the problem before it becomes the erosion becomes a real issue. Ideally, if the city can afford it, it would be best to do all work at one time. There are several contractors in your area that could give you prices on estimated cost of this project.

We also discussed the potential for the new hospital and housing on the east side of town. I recommend that the developer include a design for the water and sewer system for the additions with city input prior to approval. You may also want to contact KDHE for their review in case of rule changes for these potential additions. I believe that any additional sewer system that the city will have and maintain, either installed by developer or city, must be designed by engineer and approved by KDHE.

Please call if you have any questions. KRWA appreciates the opportunity to provide assistance to your system and your support as members.

Sincerely,

Charlie Schwindamann
Wastewater Tech

CS: ejr

C: Denise Powell, City Clerk
Marsha Carpenter, KDHE Salina