

March 25, 2009

Abdu Durar Ph.D.
Public works Department
1101 Poyntz Ave.
Manhattan, KS 66502-5460

Dear Mr. Durar,

I have reviewed your proposed plan for the expansion and improvement of the City of Manhattan wastewater treatment plant. Based on the documents attached to your request, it appears that there are no potential geologic hazards that might interfere with construction or operation of the wastewater treatment system.

The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or countywide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.

If you have questions please do not hesitate to contact me at my office (785 – 864-2068).

Sincerely yours,



P. Allen Macfarlane

March 23, 2009

Dr. William Harrison
Kansas Geological Survey
KU – 1930 Constant Ave.
Campus West
Lawrence, KS 66047

Re: Intergovernmental Review - City of Manhattan Kansas Water Pollution Control Revolving Loan Fund

Dear Mr. Harrison:

This letter is written to comply with the requirements for filing an application to the Kansas Department of Health and Environment (KDHE) for a loan from the Kansas Water Pollution Control Revolving Loan Fund (KWPCRLF) for the City of Manhattan Wastewater Treatment Plant Expansion and Improvement Project. The project will take place for the most part within existing WWTP property and easements in Sections 16 and 17, Township 10 South, Range 8 East. Please find three enclosed site maps. Three acres of what is presently farm ground will be purchased to accommodate a new peak flow storage basin to be located at the west edge of the WWTP.

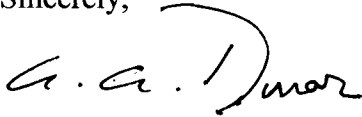
The City's existing Wastewater Treatment Plant (WWTP) was originally constructed in 1974, and a major expansion was completed in 1998. The WWTP provides influent screening, grit removal, conventional activated sludge treatment, and ultraviolet disinfection. Approximately 5.5 MGD of effluent are discharged into the Kansas River. Biosolids are pumped to the City's Biosolids Farm for land application. The City's WWTP currently operates under a National Pollutant Discharge Elimination System (NPDES) permit No. M-KS38-0001 that will expire on March 31, 2010.

In 2007, the City contracted with Carollo Engineers for engineering services for the Wastewater Treatment Plant Upgrade and Expansion Project. Carollo has compiled a Preliminary Design Report (PDR). The PDR includes a detailed evaluation of current and anticipated hydraulic, organic, and nutrient loadings to the WWTP. In general, the Project will increase the hydraulic capacity of the plant from 8.7 to 11 MGD, allow the City to meet present and future treatment demands including Biological Nutrient Removal (BNR), and ensure full compliance with current and anticipated discharge limits for the Wastewater Treatment Plant effluent. The PDR was delivered to KDHE for their review and approval. The PDR will be used as the basis for the preparation of final construction drawings and specifications.

The City of Manhattan respectfully requests that you review these documents and provide any comments in writing within thirty days of the date of this letter. For your convenience we have enclosed an addressed, stamped envelope. Your comments will then be submitted to the KDHE and evaluated by them as part of the intergovernmental review process for this loan application.

If you have any questions or would like any additional information on the project, please do not hesitate to contact me at 785-587-4530 or by e-mail at urar@ci.manhattan.ks.us. Thank you.

Sincerely,



Abdu Durar, Ph. D.
Environmental Compliance Manager

AD/cek
Enc: Three Site Maps

MANHATTAN, KS WASTEWATER TREATMENT PLANT

Located at:

NW1/4, Section 16, Township 10S, Range
8E in Pottawatomie County, Kansas.



Three acres to be purchased by
the City to accommodate a peak
flow holding basin

1.4 ac m/l

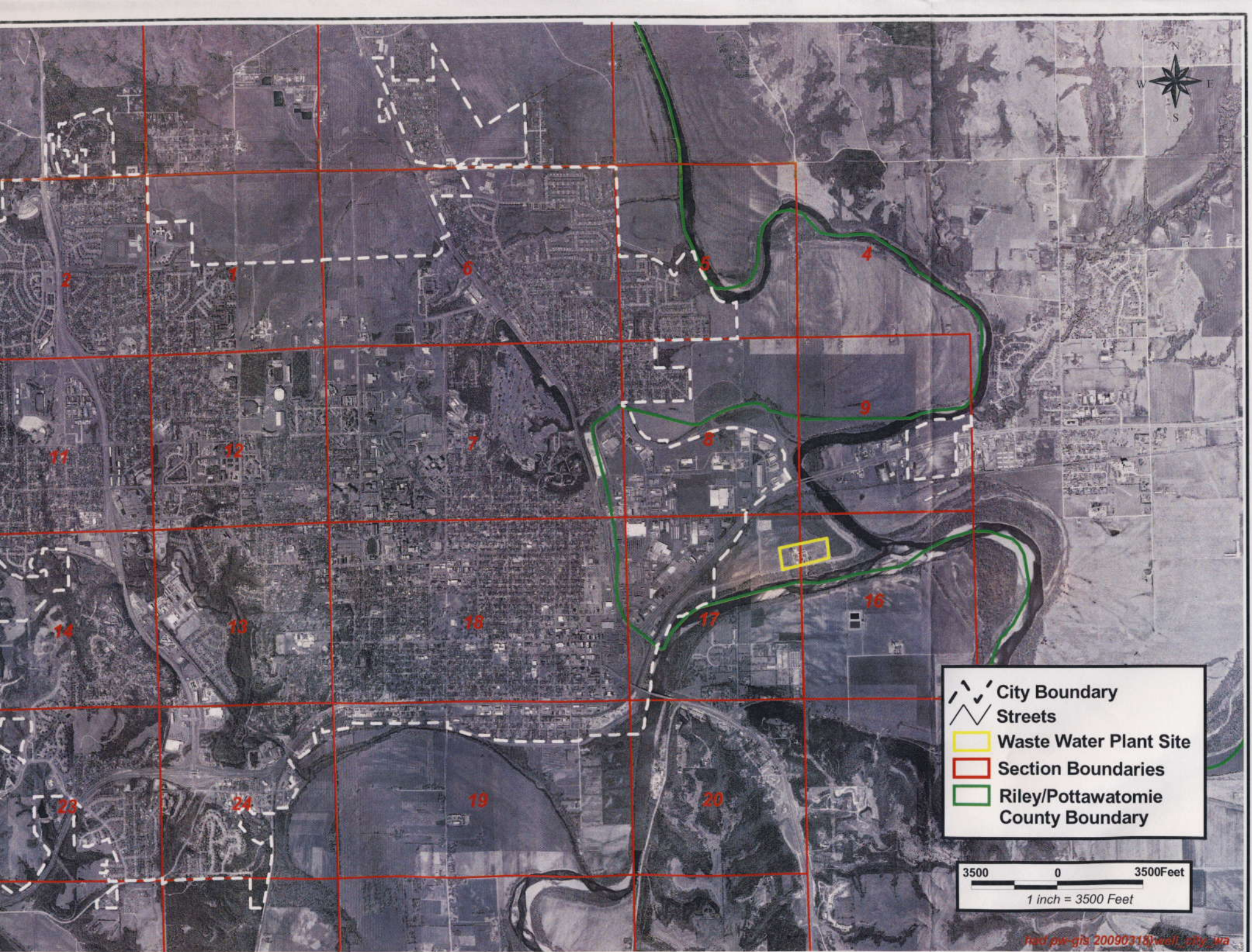
WESTAR
Easement

1.5 ac m/l

PEAK FLOW
HOLDING BASIN
NO. 1

Lleve
Centerline

Kansas River





NOTE:

1. EXISTING SITE PLAN MODIFIED FROM OCTOBER 2004 CH2MHILL SHEET 9, DRAWING C-1. EXISTING STRUCTURE SIZES AND LOCATIONS ARE APPROXIMATE.

2. WASTEWATER PUMP STATION UPGRADES INCLUDE BAR SCREEN REPLACEMENT, ADDITIONAL INFLUENT PUMP, MCC REPLACEMENT, AND REPLACEMENT OF ELEVATOR CONTROLS.

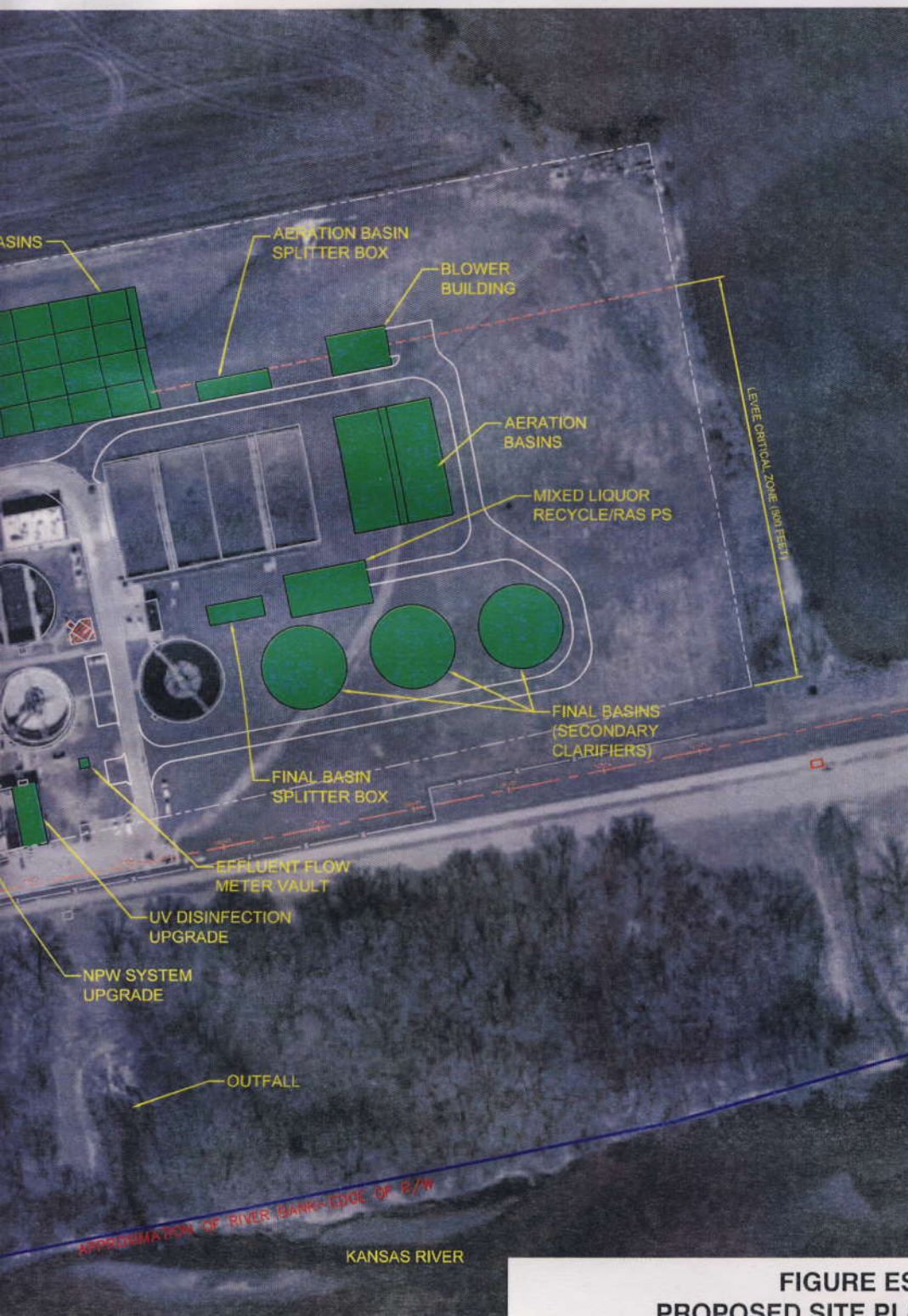


FIGURE ES.6
PROPOSED SITE PLAN (AERIAL)
WWTP UPGRADE AND EXPANSION PROJECT
CITY OF MANHATTAN, KANSAS

LEGEND:
EXISTING FACILITIES

EXPANSION
DEMO

