

1930 Constant Avenue
Lawrence, KS 66047-3724
October 3, 2007

Clare C. Paul, E. I.
Design Engineer
Professional Engineering Consultants, P. A.
303 S. Topeka
Wichita, KS 67202

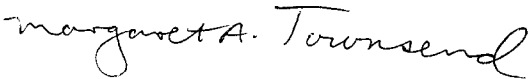
Dear Ms. Paul:

I was asked to comment on the wastewater treatment rehabilitation plans for the City of Goddard. I noticed that the area of the proposed construction is situated on silt clay loams. The soils will have low permeability but may still have the potential for leaching and runoff if flooding should occur. I presume the design of the site construction includes any additional berms around the ponds if needed. In addition, I also assume the discharge rate from the facility is rated appropriately for the streams that will accept the outflow.

Based on the limited information provided to me I see no problem with the project moving forward.

The above comments are based on regional geologic conditions and limited information available to the KGS at the time of writing and cannot be used in substitute for a detailed site characterization. Other geologic conditions, not discussed here, or for which the KGS has no knowledge, may affect the viability or safe operation of this facility or property. Geotechnical engineering and design are outside the purview of the KGS. It is the responsibility of the applicant to produce any detailed site characterizations, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

Sincerely,



Margaret A. Townsend
Hydrogeologist
Geohydrology Section

Goddard Wastewater Treatment Facility Improvements Project Review Form

Kansas Public Water Supply Loan Fund; Project No. C20-1734-01

- ☐ US Department of the Interior, Fish & Wildlife Service, Kansas State Office
- ☐ US Army Corps of Engineers, Kansas State Regulatory Office
- ☐ Kansas Dept. of Wildlife and Parks, Environmental Services Section
- ☐ Kansas Water Office
- ☐ Kansas State Historical Society, State Historical Preservation Office
- ☐ U.S. Department of Agriculture, Natural Resources Conservation Services
- ☐ Kansas Department of Agriculture, Division of Water Resources
- ☐ State Conservation Commission
- ☐ Kansas Biological Survey
- ☐ Kansas Corporation Commission, Conservation Division
- ☐ Kansas Geological Survey

Agency Review Comments: (To be completed by reviewing agency and returned to applicant contact person at name and address shown below.)

Comments: _____

Recommended Action: (To be completed by the reviewing agency and returned to applicant contact person at name and address shown below.)

- ☒ Clearance of project should be granted
- ☐ Clearance of project should not be granted
- ☐ Clearance of project should be delayed until the issues or questions have been clarified
- ☐ Clearance of project should not be delayed, but the applicant (in the application) should address or clarify the questions or concerns indicated above.

<u>Margaret Townsend</u>	<u>KGS</u>	<u>10-3-07</u>
Reviewer's Name	Division/Agency/Commission	Date

Applicant: The City of Goddard, Kansas

Contact Person: Clare Paul

Address: Professional Engineering Consultants, P.A., 303 S. Topeka

City, State: Wichita Zip: 67202 Phone: 316-262-2691



Professional Engineering Consultants, P.A.

August 29, 2007

Kansas Geological Survey
University of Kansas
1930 Constant Ave. - Campus West
Lawrence, KS 66047

Attention: Dr. William Harrison, Director

Reference: Goddard Wastewater Treatment Facility
Kansas Public Water Supply Loan Fund Project C20-1734-01
PEC No. 34-06525-001-0030

Dear Dr. Harrison:

The City of Goddard is planning to build a new wastewater treatment facility and is preparing an application to the Kansas Department of Health and Environment for a loan from the Kansas Public Water Supply Loan Fund for the project. The plant is being designed to treat an average flow of 0.8 million gallons per day for a construction cost of approximately \$4.5 million. The legal description of the Treatment Facility location is the NE ¼ of the SW 1/4 of Section 29, Township 27 S, Range 2W in Sedgwick County, KS.

The improvements include a new administration building, main pump station, headworks with fine screening and grit removal, biological treatment basins including clarification and sludge digestion, intermediate pumping, filtration, ultraviolet disinfection, and a sludge dewatering and storage building. The effluent from the plant will be discharged into an unnamed tributary to Dry Creek and eventually Cowskin Creek. It is discharged through an outfall line to a reaeration cascade. The following drawings are attached for your reference:

- Aerial photograph of project site
- USGS quadrangle map section
- Site improvements

We would appreciate your review and any comments you may have no later than September 30, 2007. A project review form is enclosed for your use.

All responses may be sent to:

Clare C. Paul, E.I.
Professional Engineering Consultants, P.A.
303 S. Topeka
Wichita, KS 67202

Please feel free to contact me at (316) 262-2691 if you have any further questions.

Very truly yours,

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

Clare C. Paul, E.I.
Design Engineer

CCP/tac

Encl: As noted

DIRECTORS:

D.E. MALTBY, P.E.
M.D. SCHOMAKER, P.E.
J.H. BAILEY, P.E., Ph.D.
D.I. NORTON, P.E.
B.E. REMSBERG, P.E.
G.K. GREENWOOD, P.E.
D.E. HAGER, P.E.
M.W. BERRY, P.E.
J.B. GEORGE, P.E.
R.A. SCHLITT, P.E.
R.R. YOUNG, P.E.
W.G. BRITSON, P.E.

ASSOCIATE

DIRECTORS:

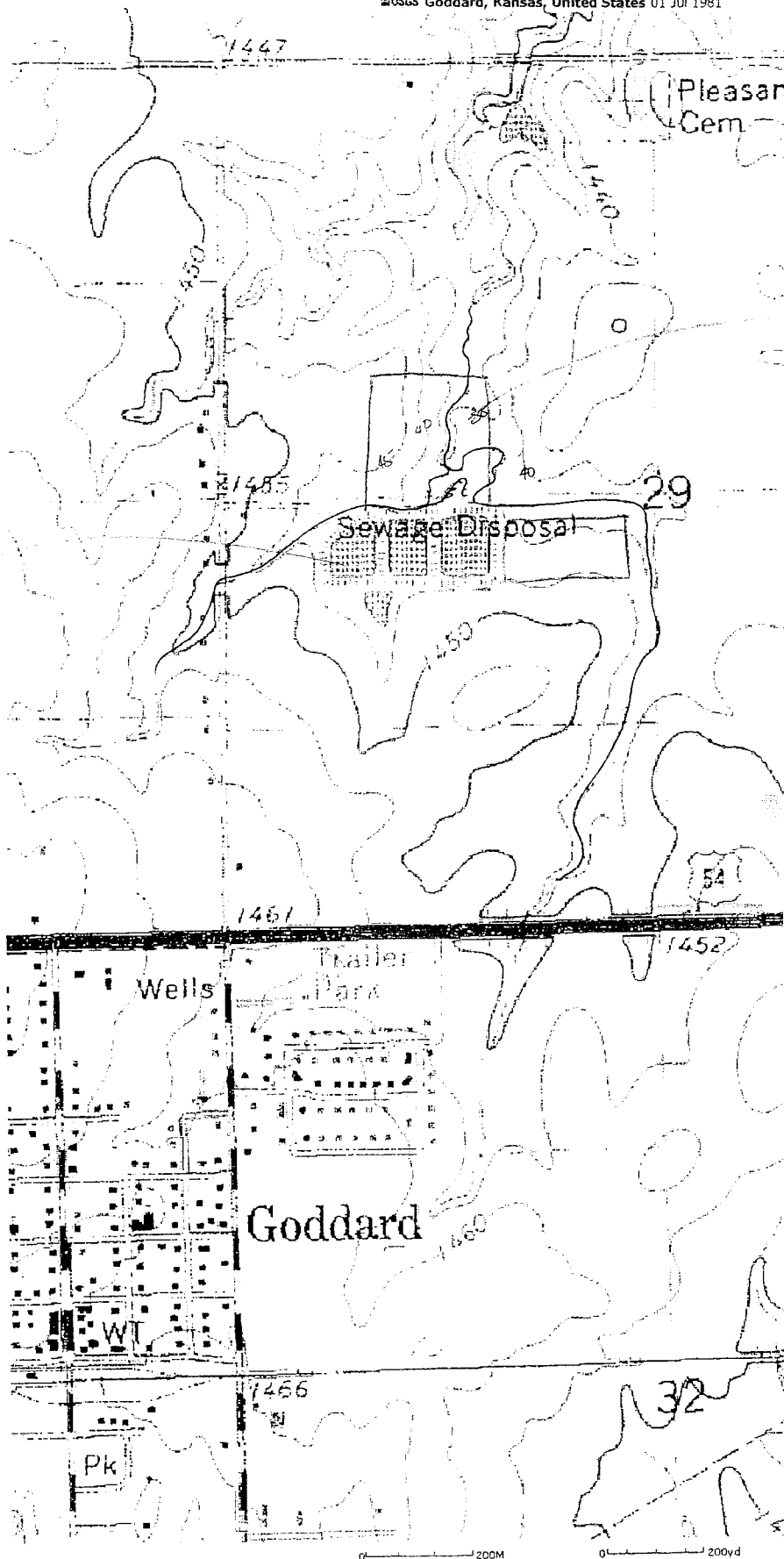
K.L. ROOD, P.E.
T.M. LENZ, P.E.
J.P. MOORE, P.E.
J.L. MARTIN, P.E.
W.G. MOHR, P.E.
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316-262-3003 FAX
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CONSTRUCTION IN THIS CELL

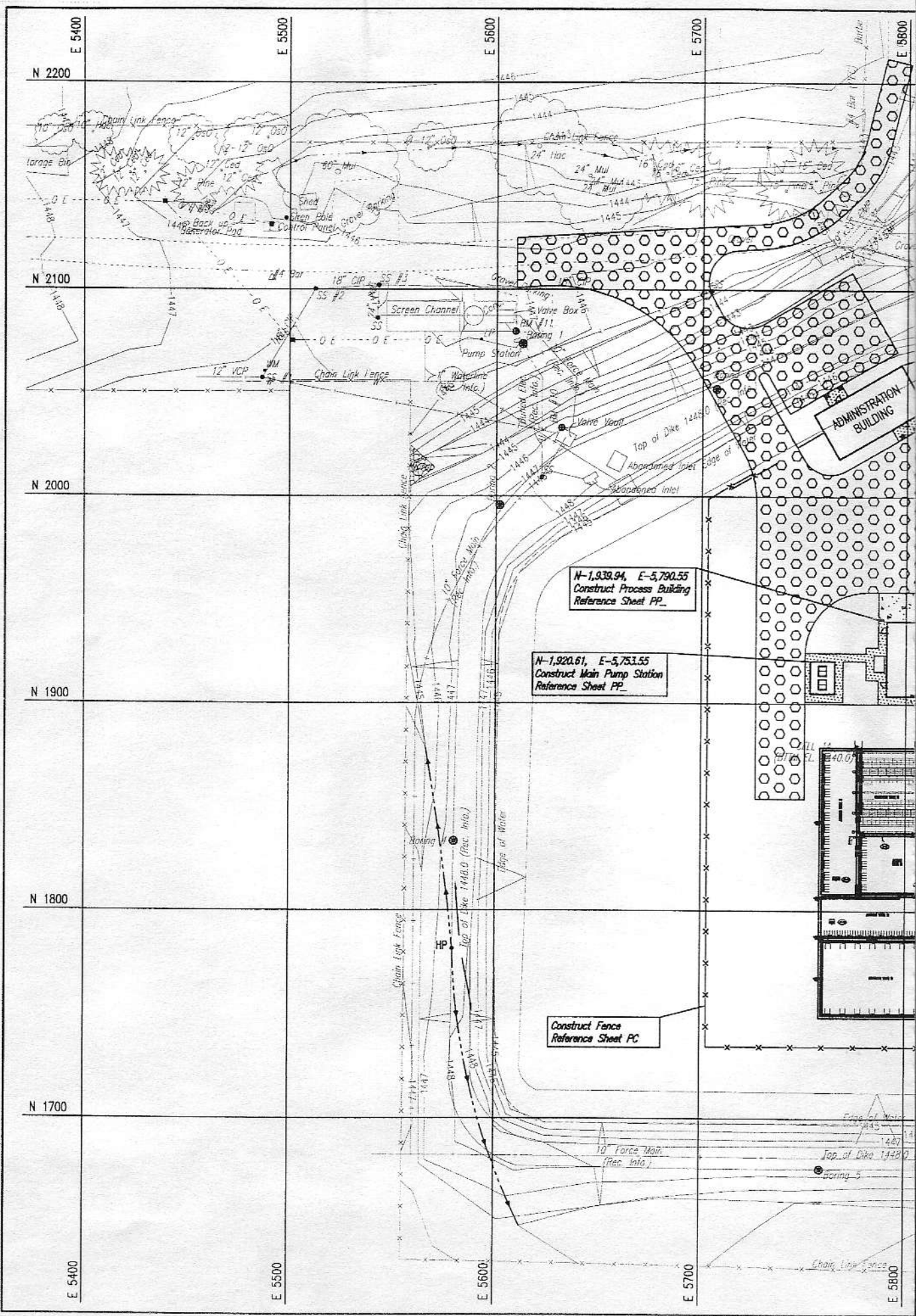
ADDITIONAL
LAGOON CELLS

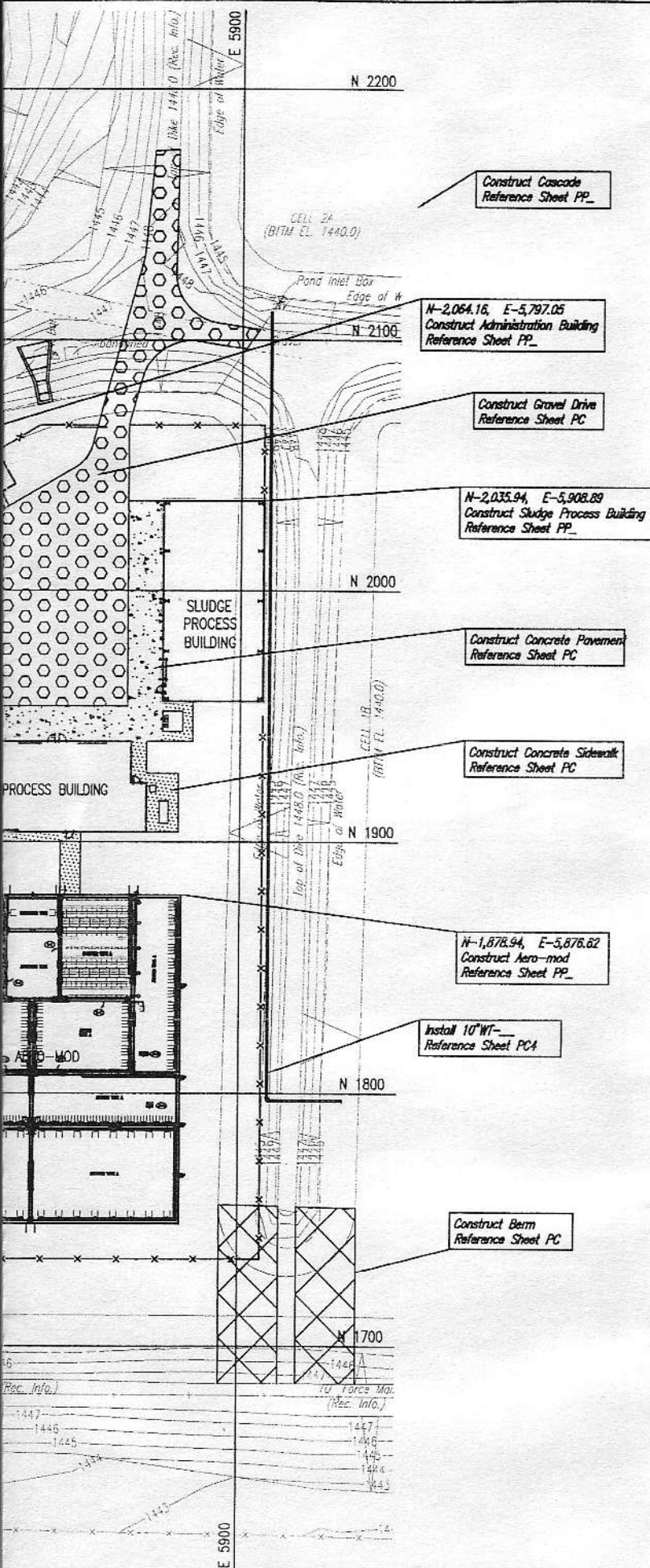




2003 Aerial Photograph from Sedgwick County GIS (Goddard, KS, T27S - R2W)

Sheet 08-27-2007 9:31:58 AM by G.V.
 Plot Scale: 1"=50' (800' x 800')
 1:250,000 (800' x 800')
 1:250,000 (800' x 800')





LEGEND

- GRAVEL DRIVE (ASPHALT MILLINGS ADD ALTERNATE)
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK

50% DESIGN REVIEW
NOT FOR CONSTRUCTION



No.	Revision	By	Date
CITY OF GODDARD, KANSAS			
SITE IMPROVEMENT PLAN			
WASTEWATER TREATMENT FACILITY			
Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	KLR	Job No.	34-06525-001
Drawn by	CAE	Date	AUGUST 2007
			Sht. PC3 of —