

The following form may be used by the Review Agency/Commission for comments in response to the request for clearance from the proposed Public Water Supply Loan Fund Project.

☐	Army Corps of Engineers
☐	Kansas Biological Survey
☐	State Conservation Commission
☐	Kansas Corporation Commission
☒	Division of Water Resources/Kansas Department of Agriculture
☐	Kansas Geological Survey
☐	Kansas State Historical Society, State Historic Preservation Office
☐	Kansas Water Office
☐	Kansas Department of Wildlife & Parks
☐	US Dept of Agriculture - Natural Resources Conservation Service
☐	Kansas Department of Health and Environment
☐	US Dept of the Interior - Fish and Wildlife Service

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

Comments: The long-term benefits of the improvements to the
water supply system within the City should offset any
adverse impacts during construction.

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.)

Donald Whittenore
Reviewer's Name

KAS
Division/Agency/Commission

9/20/05
Date

Project Title: Public Water Supply Loan Fund Application

Applicant: City of Glade

Contact Person: James Cox, BG Consultants

Address: 4806 Vue du Lac Place

City, State: Manhattan, KS Zip: 66503 Phone: (785)-537-7448

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

August 25, 2005

Re: Glade, Kansas
Kansas Public Water Supply Loan Fund
Project No. 2447

The City of Glade, Kansas 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 referenced project.

This project is located in Sections 23, 24, 25, and 26, T4S, R18W. The proposed project involves replacement of all water mains within the city limits of Glade including approximately 15,990 linear feet of new 4" PVC water lines, new gate valves, new water service connections, removal and replacement of fire hydrants, concrete encasement, removal and replacement of road surfacing, road borings, and miscellaneous construction.

We would appreciate your review of the project description and location, and any comments you may have, within 30 days. A project review form is enclosed for your use.

Please call (contact) James Patrick Cox, P.E. at 1-785-537-7448 Ext. 108 if you have any questions. Mail all correspondence back to:

Mr. James Patrick Cox, P.E.
Senior Project Manager
BG Consultant's, Inc.
4806 Vue Du Lac Place
Manhattan, Kansas 66503

Sincerely;



James Patrick Cox, P.E.
BG Consultant's, Inc.

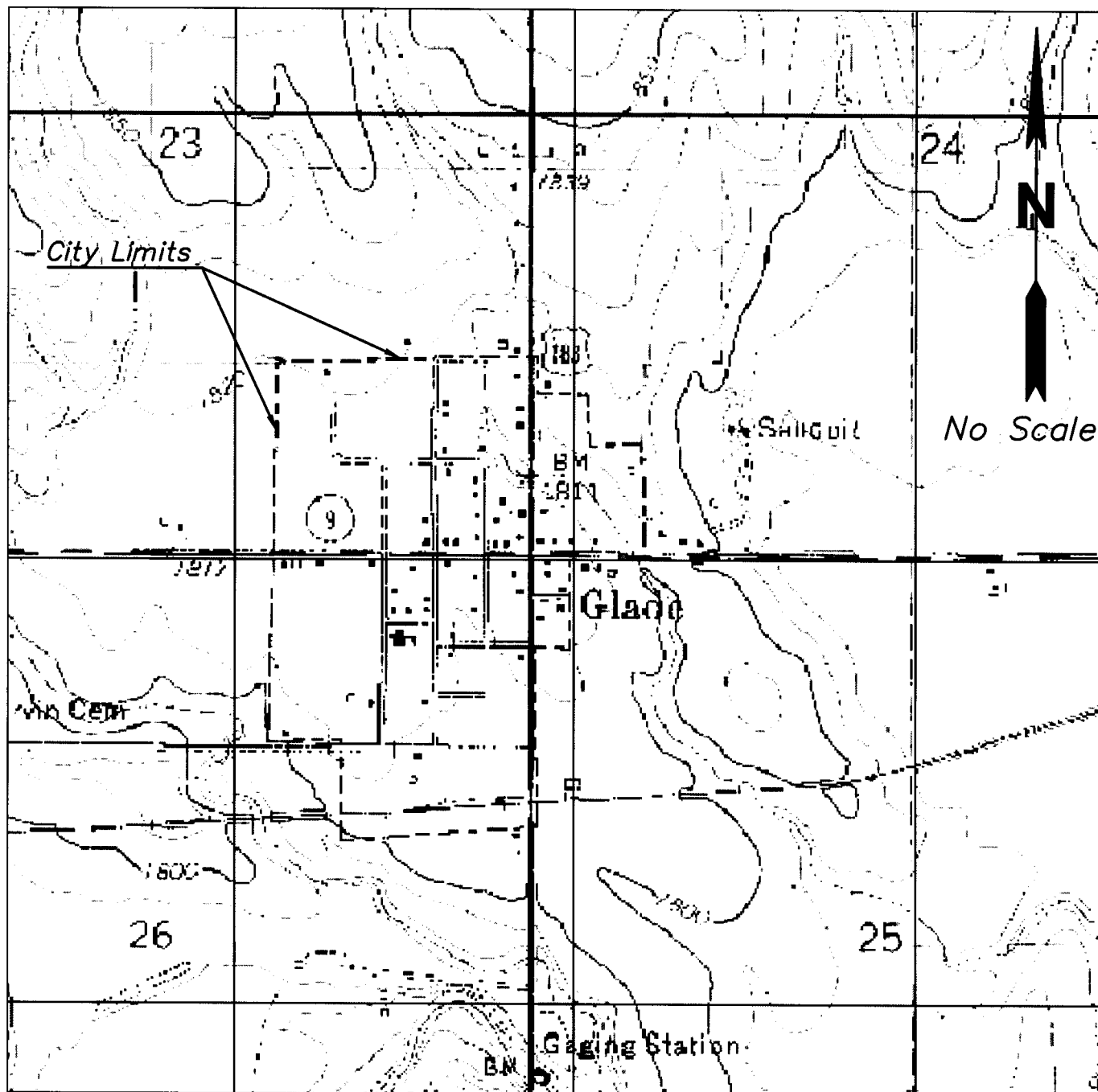
JPC:jpc



Also

Lawrence, Ks. • Hutchinson, Ks. • Emporia, Ks.

Project No. 2447



Glade, Kansas

Waterline Improvements

Kansas Public Water Supply Loan Fund

Project No. 2447



WATERLINE IMPROVEMENTS
OPINION OF PROBABLE PROJECT COST
CITY OF GLADE, KANSAS

12-Jul-05

ITEM	ESTIMATED QUANTITIES	UNITS	UNIT PRICE	TOTAL PRICE
1. Mobilization	Lump Sum	L.S.	\$25,000.00	\$25,000.00
2. Clearing & Grubbing	Lump Sum	L.S.	\$16,000.00	\$16,000.00
3. 4" PVC Waterline (In Place) SDR 21 - Class 200	15,990	Lin. Ft.	\$10.00	\$159,900.00
4. 8" Continuous Highway Bore (Certa-Lok)	200	Lin. Ft.	\$50.00	\$10,000.00
5. 4 1/2" Fire Hydrant Setting (4.0" Bury)	11	Each	\$2,500.00	\$27,500.00
6. Remove Existing Fire/Flushing Hydrant Assembly	11	Each	\$500.00	\$5,500.00
7. Remove and Replace Fire Hydrant Assembly	2	Each	\$800.00	\$1,600.00
8. Connection to Existing Waterline (4")	Lump Sum	Lump Sum	\$2,000.00	\$2,000.00
9. Air Release Valve w/ Marker	5	Each	\$1,700.00	\$8,500.00
10. 4" 90 Deg. Bend w/ Friction block	8	Each	\$300.00	\$2,400.00
11. 4" Gate Valve w/ Valve Box	26	Each	\$750.00	\$19,500.00
12. 4" Plug w/ Friction Block	9	Each	\$350.00	\$3,150.00
13. 4"x4"x4" Tee w/ Friction Block	15	Each	\$400.00	\$6,000.00
14. 4"x4" Cross w/ Friction Block	1	Each	\$450.00	\$450.00
15. Concrete Encasement	200	Lin. Ft.	\$50.00	\$10,000.00
16. Water Service Connection (5/8" - 1" meter)	49	Each	\$100.00	\$4,900.00
17. Water Meter w/ Meter Pit & Setter (5/8"-1")	1	Each	\$650.00	\$650.00
18. Corporation Stop (3/4"-1")	49	Each	\$150.00	\$7,350.00
19. Copper Service Line (3/4"-1")	3,795	Lin. Ft.	\$13.00	\$49,335.00
20. Tracer Wire	15,990	Lin. Ft.	\$0.35	\$5,596.50
21. Remove & Replace Surfacing	Lump Sum	L.S.	\$15,363.89	\$15,363.89
22. Contractor Construction Staking	Lump Sum	L.S.	\$8,500.00	\$8,500.00
23. Seeding	Lump Sum	L.S.	\$12,850.00	\$12,850.00
24. Cleanup	Lump Sum	L.S.	\$7,000.00	\$7,000.00
25				\$0.00
26				\$0.00
27				\$0.00
28				\$0.00
29				\$0.00
SUBTOTAL				\$409,045.39
CONSTRUCTION CONTINGENCY (10%)				\$40,904.54
ESTIMATED CONSTRUCTION COST				\$449,949.93
ENGINEERING & CONSTRUCTION ADM., LEGAL, GRANT ADM.				\$99,739.07
ESTIMATED TOTAL PROJECT COST				\$549,689.00

SURVEY POPULATION Max. Grant/ Person

MAXIMUM CDBG GRANT	97	\$2,000.00	\$194,000.00
MATCHING FUNDS REQUIRED			\$355,689.00
STATE REVOLVING LOAN FUND (3.46%, 20 YRS.)			
Bi-Annual Loan Payment (2 per Year)			\$12,394.72
Average Monthly Cost Increase per Meter (49 meters) w/grant			\$42.17
100% SRL Funding			\$65.17