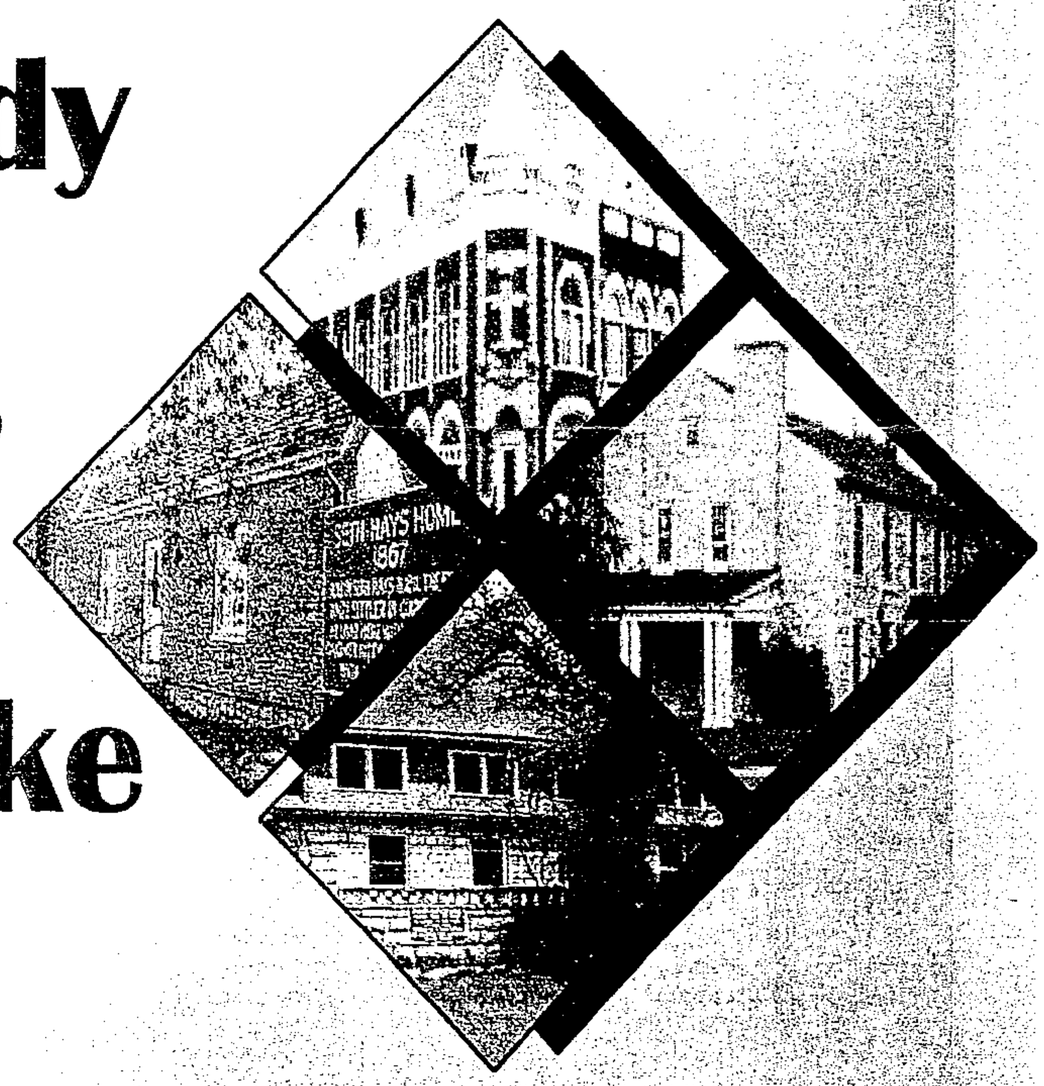
COUNCIL GROVE
KANSAS

Feasibility Study of Extending Water & Sewer Services for the City Lake



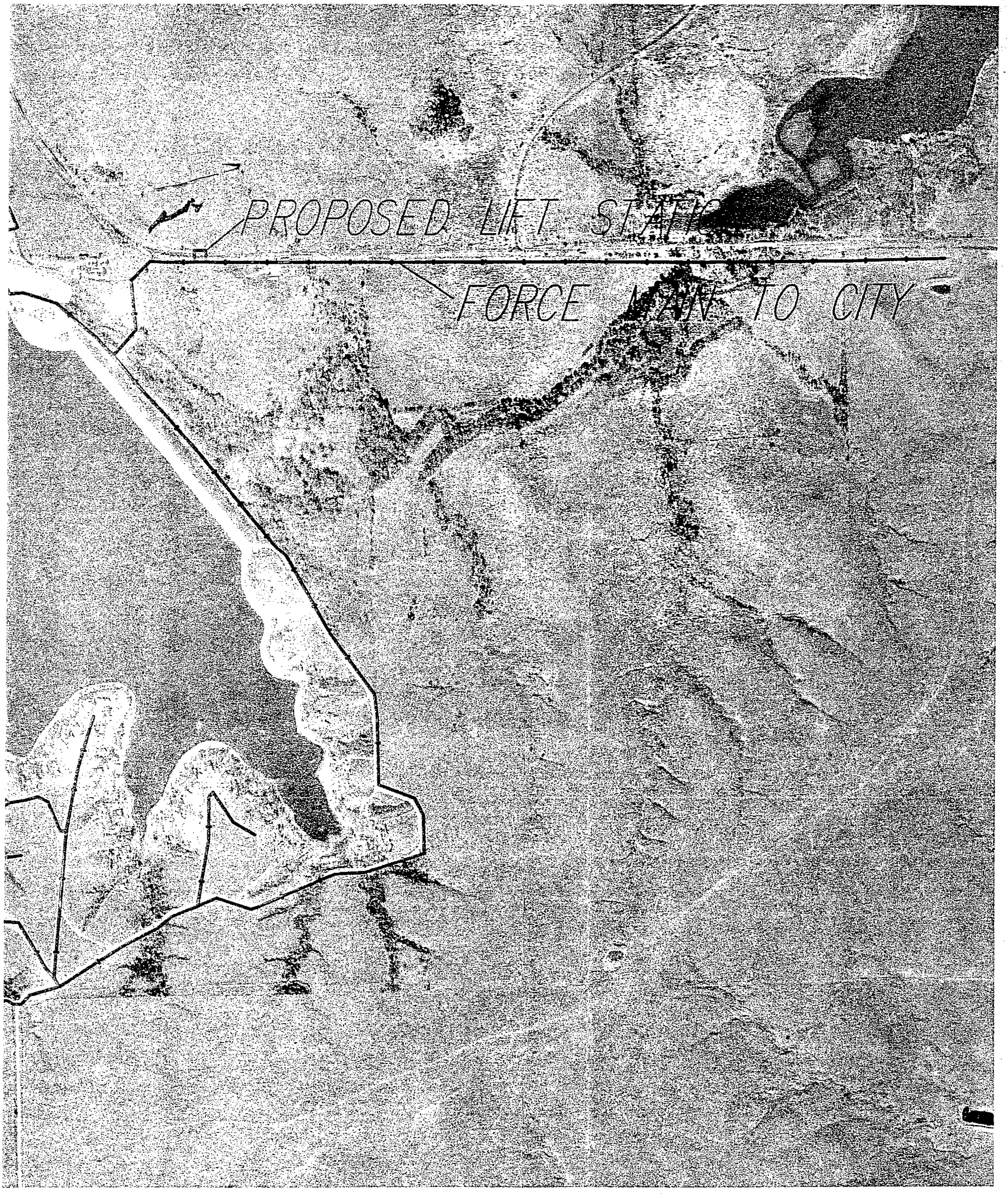
Professional Engineering Consultants, P.A.

Table 1: Sanitary Sewer Cost Estimate

Low Pressure Sanitary Sewer Cost Estimate Council Grove, Kansas					
Item No.	Description	Quantity	Units	Unit Price	Total Cost
1	2" pipe	16,500	LF	$ 9	$ 148,500
2	2.5" pipe	5,500	LF	$ 10	$ 55,000
3	3" pipe	16,000	LF	$ 10	$ 160,000
4	4" pipe	13,500	LF	$ 12	$ 162,000
5	End of Line Cleanout	20	EA	$ 800	$ 16,000
6	In-line Cleanout Assembly	35	EA	$ 1,200	$ 42,000
7	Valves	351	EA	$ 150	$ 52,650
8	Grinder Pump Stations	351	EA	$ 3,300	$ 1,158,300
9	Septic Tank Abandonment	351	EA	$ 1,000	$ 351,000
10	Electrical	351	EA	$ 500	$ 175,500
11	Air Release Valve	8	EA	$ 3,000	$ 24,000
12	4"-6" Force Main	20,000	LF	$ 12	$ 240,000
13	Lift Station	1	EA	$ 150,000	$ 150,000
				Total Construction	$ 2,734,950
				Contingencies (20%)	$ 546,990
				Project Costs (20%)	$ 546,990
				Total Project Costs	$ 3,828,930

Table 2: Sanitary Sewer Cost Estimate (2 houses/pump)

Low Pressure Sanitary Sewer Cost Estimate: 2 houses/pump Council Grove, Kansas					
Item No.	Description	Quantity	Units	Unit Price	Total Cost
1	2" pipe	16,500	LF	$ 9	$ 148,500
2	2.5" pipe	5,500	LF	$ 10	$ 55,000
3	3" pipe	16,000	LF	$ 10	$ 160,000
4	4" pipe	13,500	LF	$ 12	$ 162,000
5	End of Line Cleanout	20	EA	$ 800	$ 16,000
6	In-line Cleanout Assembly	35	EA	$ 1,200	$ 42,000
7	Valves	176	EA	$ 150	$ 26,400
8	Grinder Pump Stations	176	EA	$ 3,300	$ 580,800
9	Septic Tank Abandonment	350	EA	$ 1,000	$ 350,000
10	Electrical	176	EA	$ 500	$ 88,000
11	Air Release Valve	8	EA	$ 3,000	$ 24,000
12	4"-6" Force Main	20,000	EA	$ 12	$ 240,000
13	Lift Station	1	EA	$ 150,000	$ 150,000
				Total Construction	$ 2,042,700
				Contingencies (20%)	$ 408,540
				Project Costs (20%)	$ 408,540
				Total Project Costs	$ 2,859,780



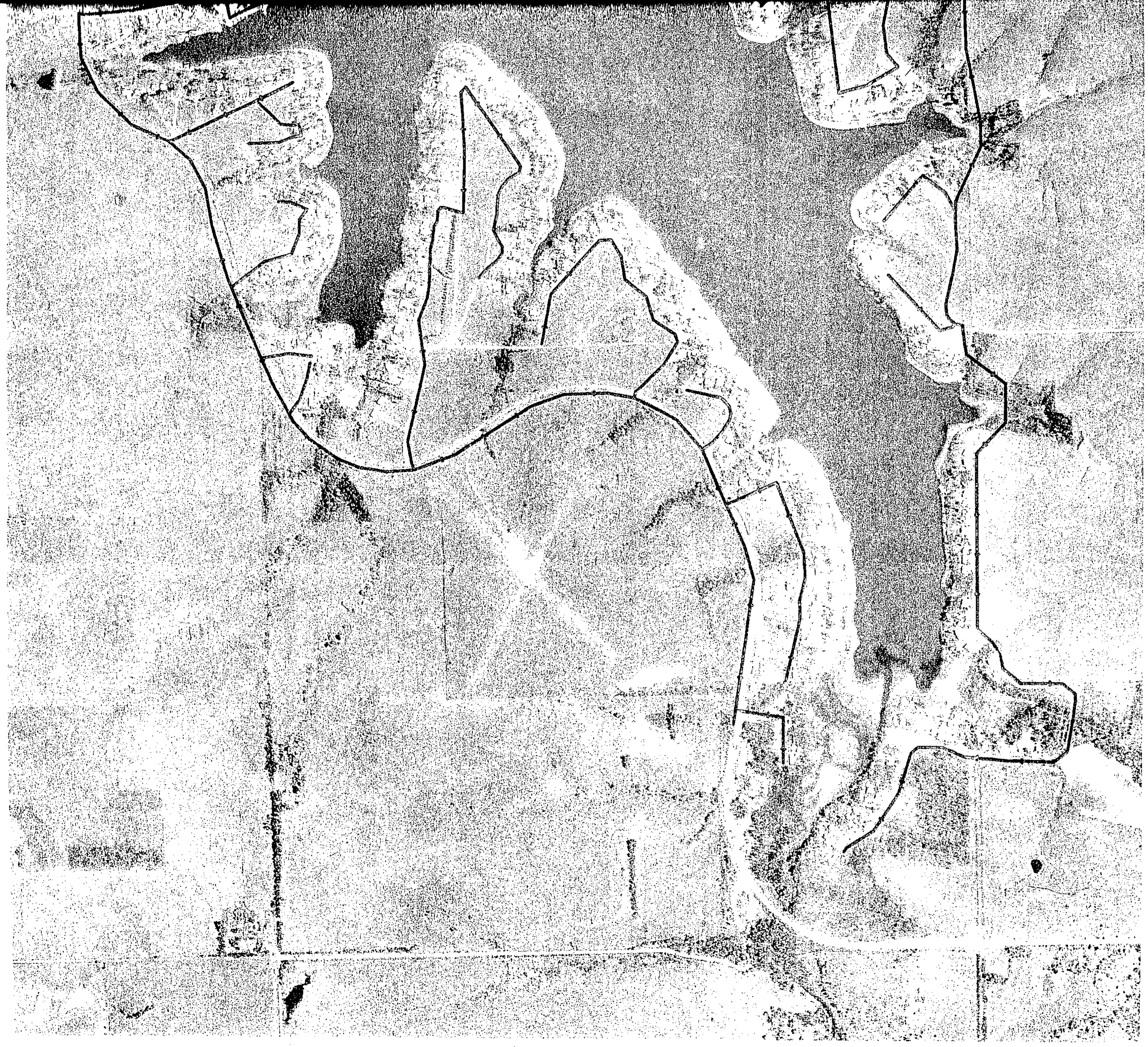
SCALE:
1 : 1000

No.	Revision	By	Date

FIGURE 1
LOW PRESSURE SEWER
PRELIMINARY LAYOUT

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	ALA	Job No.		Sht. 1 of 1
Drawn by	GJR	Date	October 2002	



LAKE ASSOCIATION
COUNCIL GROVE
POST OFFICE BOX 13 – COUNCIL GROVE, KANSAS 66846

Marvin Kramer, Chairman – 767-6501*

Jerry Brees, Secretary – 767-6487*
Sylvia C. Murphy, Treasurer – 767-6956*
Opal May Evans,Good Will Chairman – 767-5794*
Ted King, Lake Caretaker – 767-5821*
*Full time lake resident

MINUTES

Meeting called to order by Chairman Marvin Kramer on 11 May 2002. The following clarifications were made to minutes: The city is doing a water and sewer study. Chip and seal will also be done on 1300 Road the third year. Motion made and passed to approve Treasurer's report. Paid memberships: 275. Twenty-six in attendance.

Steve & Sylvia Murphy are checking into easements for 1200 and 1300 roads. Should be 60 feet and some places it is 40 feet. The County has ordered the culverts.

Twenty-five attended **Chemical Class** held on May 4th.

Marvin Kramer reported on the meeting with Mike Houch. A Sewer District needs to be formed by the City. If the City determines an old system needs to be upgraded then will be turned over to Mike Houck. The new system is an airflow system into a lateral field.

Jim Copeland has resigned as **Vice Chairman**. Buck Hayes will be appointed at June meeting.

Marvin Kramer and Buck Hayes joined with Charlene McRae and Kathy Snelling to go to Department of Health & Environment, Topeka. They were informed that the City could form a **Sewer District**. Need a facility plan and application to form this district. Cost figures would be included in this first phase. Dept of Health has money available for a 20-year loan at 3.15% interest. Dept is anxious to help us with this project as it protects the water supply. The City was encouraged after this meeting that this project could happen. Kathy Snelling reported that John Bailey, Professional Engineering Consultants, Wichita, has been contacted to evaluate water and sewer service. The contract will be signed 13 May. The study is not to exceed $6500 and the Lake Association will pay $3250 of this. Grant money probably not available to do this project. A "No-Go" or "Go" will be decided after the results of this study are evaluated. We are participating in this study to keep water quality. If the lake is polluted then we cannot enjoy the water and the values of our homes will decline.

Ted King reported that the **new boat** has arrived and will be patrolling the water on Memorial weekend. **Permanent property line** markers will be installed as transfers occur. **Buoys** will be out before Memorial Day. It is a good idea **septic tank** pumped every 3-5 years. Will cost $75 to $100, depending on size of tank.

Storm siren for the north end of the dam has been backordered until July. Plan B has been put into effect: Extra officers will be at the Lake sounding sirens plus two officers will be storm spotters. Residents reported hearing the sirens last week.