CITY OF LINCOLN
COMMITTEE OF THE WHOLE MEETING
AGENDA
OCTOBER 27, 2020
CITY HALL COUNCIL CHAMBERS
7:00 PM

Due to the State of Illinois Phase 4 of the Coronavirus Covid-19 Precautions the City of Lincoln Council will need to continue setting 6' apart in conducting a Council Meeting. If you would like to participate in public participation you may come to City Hall 2nd Floor and remain in the hall way until you are called upon. Once you speak you will be asked to leave the meeting.

You may still call in for Public in for Public Participation by dialing 217-735-1612 extension 1. We ask that you keep your phone muted until you are recognized to speak by the Mayor.

You may view the meeting from Channel 5 or from the city website https://lincolnil.gov/livestream

1. Call to Order
2. Pledge of Allegiance
3. Public Participation
4. CSO Pollution Prevention Plan
5. CSO Operations and Maintenance Plan for Sewage Treatment Plant
6. Phosphorus Study – Crawford, Murphy & Tilley to complete.
7. Request for Financial Assistance with Mill Preservation from the Logan County Tourism Bureau
8. Request to Permit: Red Gate Farms, Carriage rides on the Square November 27, December 11th and December 18th 2020 from 6:00 PM – 9:00 PM.
9. Union Pacific Railroad Invoice for 5th Street Road in the amount of $230.59.
10. Announcements
11. Possible Executive Session
12. Adjournment
13. Upcoming Meetings: City Council Meeting: Monday, November 2, 2020
    Committee of the Whole Meeting: Tuesday, November 10, 2020

CITY OF LINCOLN, ILLINOIS

700 Broadway St., P.O. Box 509, Lincoln, IL 62656

Named for and Christened by Abraham Lincoln, 1853—Incorporated February 16, 1865
CITY COUNCIL MEETS FIRST AND THIRD MONDAY NIGHTS EACH MONTH

To: Mayor and Aldermen of the City of Lincoln

From: Andrew Bowns, Wastewater Project Manager

Meeting Date: October 27, 2020

RE: CSO Pollution Prevention Plan

Background
The CSO Pollution Prevention Plan is a required report by the IEPA; which is referenced within our newest permit. We are required to submit this report this year, or any year in which changes or alterations are made to the plan.

The attached plan will be also be available on the City's website.

Analysis/Discussion:
This CSO Pollution Prevention Plan has been updated to better reflect the City's current measures for reducing pollution within the combined sewer overflow system that serves the City of Lincoln. This public meeting, memo, and discussion will satisfy the permit requirements governing the CSO Pollution Prevention Plan.

Fiscal Impact:
None

COW Recommendation:
None, barring comments or questions from the public.

Council Recommendation:
None, barring comments or questions from the public.

Pollution Prevention Plan

City of Lincoln

Wastewater Treatment Facility

Lincoln, Illinois

Pollution Prevention Plan

City of Lincoln

Wastewater Treatment Facility

Lincoln, Illinois

I. Introduction

The City of Lincoln's public wastewater system was most recently re-issued an NPDES permit, with an effective date of November 1st, 2019. The re-issued permit requires the City to compile a Pollution Prevention Plan that complies with the terms of the permit, and the National CSO Control Policy of 1994. This document provides the plan for these activities, in compliance with the NPDES permit requirement.

II. Description of Pollution Prevention Measures

A. General

The City's pollution prevention efforts currently consist of the following activities:

- Dedicated street sweeping
- Passage of an anti-littering ordinance to prevent littering
- Established solid waste pick-ups
- Distribution and use of trash receptacles
- Placement of drop-off type recycling containers as well as curb-side pick-up recycling
- Established fertilizer, herbicide, pesticide, and de-icing programs
- Established hazardous waste collection programs

B. Street Cleaning Programs

The City sweeps the downtown combined sewer area on an as needed basis, dictated by regular visual inspections, weather permitting. The City also dedicates crews to sweeping other combined sewer areas throughout the City on an as needed basis, dictated by regular visual inspections, and as weather permits.

The City also dedicates crews to removing debris from catch basin grates and inlets during and after each significant rain event.

C. Anti-Littering and Public Education Regarding Disposal of Personal Hygiene Products, and Proper Application of Fertilizers, Pesticides, and Herbicides.

To prevent litter from being spread, the City adopted an anti-littering provision in its City Code, in 1977. The code for anti-littering is spelled out in Title 8: Public Ways and Property, Chapter 11: Park Regulations, Section 3: Refuse and Trash; which states that " No person shall litter, or suffer or cause to be littered, any of the grounds, driveways, fountains, gardens, walkways, restrooms, shelters or other structures in parks in the City of Lincoln, by scattering or leaving paper, garbage, bottles, cans, boxes or other refuse therein, except in the receptacles provided therefore."

The most recent educational campaign was started in March 2020, at the onset of Covid-19, and the shortage of toilet paper that coincided with it. This campaign emphasized the importance of not contributing waste to the collections system; which is not designed to be handled by the collection system.

D. Solid Waste Collection Procedures

The City's solid waste collection is coordinated with Peoria Disposal Company (PDC). PDC and the City hold several special collections throughout the year. These collections address items that are not typically accepted during normal solid waste collection routes.

In an effort to collect refuse in the public right-of-ways, the City has placed trash receptacles in the downtown area. The receptacles help encourage the proper disposal of trash or litter items, thereby preventing it from entering the combined sewer system.

E. Recycling Efforts

Currently recycling within the City is voluntary. Curb side pick-up is provided and memorialized with the City's franchise operator Peoria Disposal Company (PDC).

F. Efforts to Ban or Substitute for Non-Degradable Products

Currently the City has not attempted to ban non-degradable products. This issue as not been a priority, due to the fact that no complaints have been received, nor has the staff noticed an addressable amount of non-degradable items downstream of the CSO outfall.

G. Efforts to Control Product Use of Fertilizers, Pesticides, De-Icing Salts, Under the Control of the Permittee

The City's efforts to control its internal use of products such as fertilizers and pesticides include licensing all City applicators, through the Department of Agriculture, as required by law.

In order to help reduce solids deposition in the combined sewers and storm sewers the City has eliminated the use of cinders, and utilizes a calcium-chloride solid.

H. Efforts to Control Illegal Dumping

The City controls illegal dumping activities making routine patrols throughout the City, and especially in areas prone to such activities. The City also has an anti-dumping ordinance. "Title 7: Health and Sanitation, Chapter 2: Nuisances, Section 1: Enumeration of Nuisances prohibits accumulation, storage, or deposition of trash, junk, or refuse.

I. Efforts to Collect Bulk Refuse

The City coordinates yearly bulk refuse collections with the current solid waste operator Peoria Disposal Company (PDC). Residents are permitted to dispose of bulk refuse to a centralized location annually.

J. Description of Hazardous Waste Collection Programs

The City also coordinates hazardous waste collection with Peoria Disposal Company (PDC). The collections are sponsored on an as needed basis.

K. Water Conservation Efforts in the City Service Area

Water conservation efforts include the requirement, through the privately owned water company, that all water distributed to the system's customers, including the City facilities, be metered. The company also has a voluntary program for conservation during drought periods.

L. Pollution Prevention Activities Required of Commercial and Industrial Discharges

The City requires that all commercial and industrial contributors follow the Sewer Use ordinance that the City has adopted.

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CITY COUNCIL MEETS FIRST AND THIRD MONDAY NIGHTS EACH MONTH

To: Mayor and Aldermen of the City of Lincoln

From: Andrew Bowns, Wastewater Project Manager

Meeting Date: October 27, 2020

RE: CSO Operations and Maintenance Plan

Background
The CSO Operations and Maintenance Plan is a required plan and report by the IEPA; which is referenced within our newest permit. We are required to submit this report this year, or any year in which changes or alterations are made to the plan.

The attached plan will be also be available on the City's website.

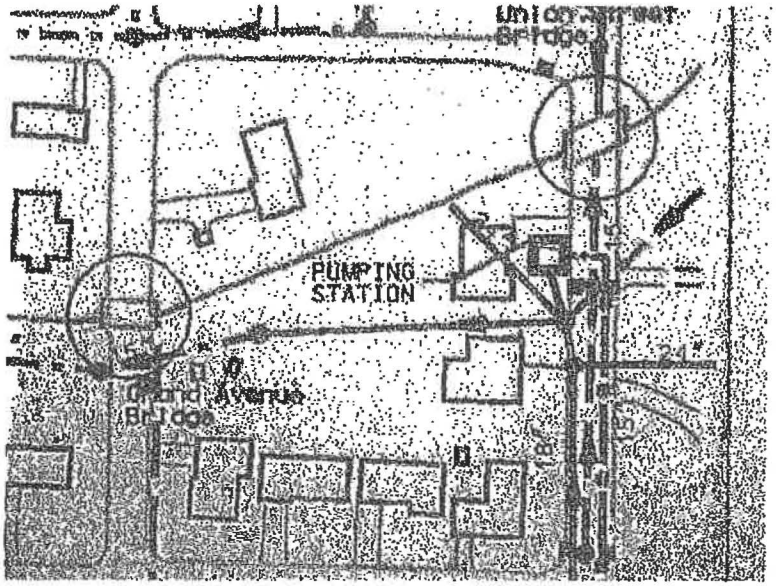
Analysis/Discussion:
This CSO Operations and Maintenance Plan was updated by the City in 2008. The IEPA has accepted this plan for the Operations and Maintenance of the combined sewer overflow system within the City. This public meeting, memo, and discussion will satisfy the permit requirements governing the CSO Operations and Maintenance Plan.

Fiscal Impact:
None

COW Recommendation:
None, barring comments or questions from the public.

Council Recommendation:
None, barring comments or questions from the public.

COMBINED SEWER OVERFLOW OPERATIONS AND MAINTENANCE PLAN



CITY OF LINCOLN

WASTEWATER TREATMENT

LINCOLN, ILLINOIS

Revised in 2008

COMBINED SEWER OVERFLOW
OPERATIONAL AND MAINTENANCE PLAN
City of Lincoln
Wastewater Treatment
Lincoln, Illinois

INTRODUCTION

On June 5, 1997, the Illinois Environmental Protection Agency (IEPA) accepted the City of Lincoln's (City) Combined Sewer Overflow Operational and Maintenance Plan (CSO O & M Plan) for its publicly owned wastewater system.

Included within the City's most recent NPDES Permit is a special condition requiring the CSO O & M Plan be reviewed and revised as necessary. A public information meeting, concerning the Plan, must be held before May 1, 2008 and revisions must be submitted to the IEPA before August 1, 2008.

This CSO O & M Plan is intended to supersede the original plan accepted in 1997. This plan reflects the requirements necessary to complete the CSO Operational Plan Checklist and Certification.

GENERAL INFORMATION

1. System Description

The City of Lincoln's population has grown from 1,679, in 1860 to the current 15,369. The sewer system was developed in the late 1800's. Currently, the City's sewer system is made up of approximately 100 miles of collection system mains, 11 lift stations, 2 CSOs, excess flow treatment, and the wastewater treatment facility.

A. Collection System Mains

The collection system contains storm water, sanitary and combined sewer mains. Approximately 33 miles are storm water mains, 33 miles are sanitary mains, and 33 miles are combined sewer mains.

The sewer mains range in size from 8-inches to 96-inches. The construction of the mains consist of clay, concrete, plastic, brick, and rock. The system contains approximately 34 % of sewer

mains that are smaller than 12-inches in diameter, 45 % that are 12-inch to 24-inch, 9 % are 27-inch to 36-inch, 4 % are 42-inch to 48-inch, 3 % are 54-inch to 60-inch, and approximately 5% of the sewer main is between 60-inch and 96-inches in diameter.

B. Lift Stations

The City's sewerage system contains 11 lift stations of various styles and capacities. Each station is inspected by an Operator every other day. Maintenance on the equipment is performed per the manufacturer's specifications and each wet well is cleaned twice each year.

Pulaski Street Lift Station

The Pulaski Street List Station is dry well/wet well station that contains two; 30 horsepower, Fairbanks-Morse centrifugal pumps. Both pumps were replaced in 2005 and have a capacity of 1,000 gallons per minute each.

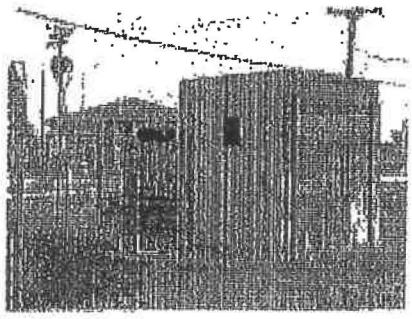
The pumps are controlled by a float switch system. The float system consists of four floats set at different levels within the wet well. The lead/lag pump is alternated automatically after each cycle.

The upper most float is used as a high water alarm. The alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. Permanent standby power is located on site as well as a bypass pumping vault.

The Pulaski Street Lift Station pumps into two separate force mains. The force mains discharge into the collection system in two different locations. Therefore, if one force main is taken out of service, the station can function through the remaining force main.

Mayfair Lift Station

The Mayfair Lift Station is a wet well/dry well type station that contains two; 15 horsepower, submersible, Fairbanks-Morse pumps. The pumps have the capacity of pumping 380 gallons per minute each.



The pumps are controlled by a float switch system. The float system consists of four floats set at different levels within the wet well. The lead/lag pump is alternated automatically after each cycle.

The upper most float is used as a high water alarm. The alarm is sent to the wastewater treatment facility, via a

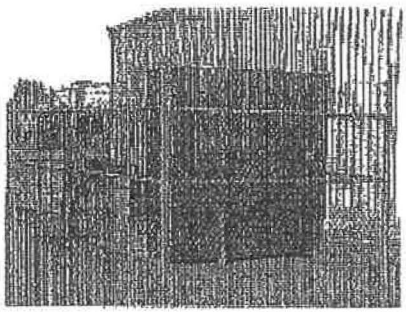
closed circuit telephone line, where an automatic dialer will alert the personnel. Permanent standby power is located on site.

The Lift Station pumps into two separate force mains. The force mains discharge into the collection system in two different locations. Therefore, if one force main is taken out of service, the station can function through the remaining force main.

Lincolnwood Lift Station

Lincolnwood Lift Station was replaced in 2006. The station is a submersible station containing two; 20 horsepower, submersible, Flygt pumps. The pumps have the capacity of pumping 260 gallons per minute each.

The pumps are controlled by a level transducer with a back-up float system. The lead/lag pump is alternated automatically with each cycle.



The high water alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. Permanent standby power is located on site as well as a bypass pumping vault.

Union Street Lift Station

The Union Street Lift Station is a submersible station containing two; 25 horsepower, Fairbanks-Morse, submersible pumps. Both pumps were replaced in 2005 and are capable of 825 gallons per minute each.

The pumps are controlled by a float switch system. The float system consists of three floats set at different levels within the wet well. The lead/lag pump is alternated manually during Operator inspections.

The upper most float, controlling the lag pump, is also used as the high water alarm. The alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with the ability to accept power from a portable generator.

The Union Street Station is the site of one of Lincoln's two CSOs. Information concerning the CSO is contained later in the O & M Plan.

Palmer Street Lift Station

The Palmer Street Lift Station is a dry well/wet style lift station that contains two; Gorman-Rupp, two speed, self-priming pumps. Each pump is rated at 2,100 gallons per minute on high speed and 1,250 gallons per minute on low speed.

A bubbler system transfers the level of the wet well into the PLC. The level of the wet well then dictates the speed of each pump. If the lead pump cannot keep up with the incoming flow it will automatically switch to high speed and the lag pump comes on at low speed until the wet well level returns to normal. The lead/lag pump is alternated automatically after each cycle.

The Palmer Street Lift Station pumps into two separate force mains. The force mains discharge into the collection system in two different locations. Therefore, if one force main is taken out of service, the station can function through the remaining force main.

The high level alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with emergency power on site.

This site also contains a permitted emergency bypass. If the lift station cannot keep up with the incoming flow and the wet well and collection system reach damaging levels, a 6-inch submersible pump can be started manually. The emergency pump will pump from the station's wet well directly into Brainard's Branch.

Singleton Lift Station

The Singleton Lift Station is a Smith and Loveless Du-o-ject pneumatic ejector station. The station is capable of discharging 150 gallons per minute by using compressed air from two 5 horsepower compressors.

The high water alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with ability to accept power from a portable generator.

Jefferson Street Lift Station

The Jefferson Street Lift Station is a Smith and Loveless Du-o-ject pneumatic ejector station. The station is capable of discharging 150 gallons per minute by using compressed air from two 7.5 horsepower compressors.

The high water alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with the ability to accept power from a portable generator.

Kmart Lift Station

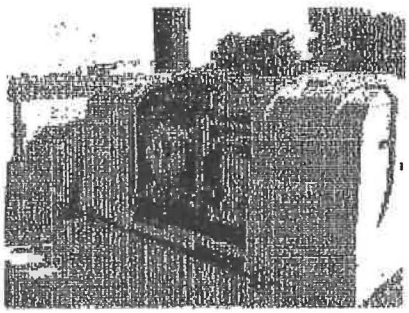
The Kmart Lift Station was replaced in 2004. The new station is a Smith & Loveless, Formula X, wet well mounted station. The station's pumps are two; 15 horsepower, centrifugal pumps, capable 250 gallons per minute each.

The pumps are controlled by a level transducer with a back-up float system. The lead/lag pump is alternated automatically with each cycle.

The high water alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with the ability to accept power from a portable generator as well as bypass pumping capability.

Zion Lift Station

The Zion Lift Station was replaced in 2006. The new station is also a Smith & Loveless, Formula X, wet well mounted station. The station's pumps are two; 7.5 horsepower, centrifugal pumps, capable 150 gallons per minute each.



The pumps are controlled by a level transducer with a back-up float system. The lead/lag pump is alternated automatically with each cycle.

The high water alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with the ability to accept power from a portable generator as well as a bypass pumping vault.

Burwell Lift Station

The Burwell Lift Station is a submersible station containing two; 20 horsepower, Flygt, submersible pumps. Both pumps are capable of 600 gallons per minute each.

The wet well level is transferred to the pump controls by a bubbler system. The lead/lag pump is alternated automatically after each pump cycle.

The stations alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with a standby generator.

Southplant Lift Station

The Southplant Lift Station is a dry well/wet well style of station that consists of two; 20 horsepower, submersible pumps that are capable of 800 gallons per minute each.

The pumps are controlled by a float switch system. The float system consists of four floats set at different levels within the wet well. The lead/lag pump is alternated automatically after each cycle.

The highest float is the alarm float. The high water alarm is sent to the wastewater treatment facility, via a closed circuit telephone line, where an automatic dialer will alert the personnel. The station is also equipped with the ability to accept power from a portable generator.

This site also contains a permitted emergency bypass. If the lift station cannot keep up with the incoming flow and the system backs up above the high water level, the flow will spill over a weir in a manhole, outside of the wet well, and flow directly into the Salt Creek.

C. Combined Sewer Overflows

The City of Lincoln's sewerage system contains 2 CSO discharges, one at the Union Street Lift Station and the other at the Wastewater Treatment Facility (Attachment A). The City's NPDES Permit requires discharges from both CSOs to be monitored and reported. Discharge Monitoring Reports are completed monthly for each CSO.

Union Street CSO

Just prior to the Union Street Lift Station is a CSO diversion structure (Attachment B). If the lift station cannot keep up with the flow, the flow will back up in the diversion structure. When the flow backs up higher than 6 feet above the combined sewer's invert, it will flow out the 24-inch CSO directly into Brainerd's Branch. The high water alarm float at the lift station has been set at the same elevation as the invert of the CSO pipe in the diversion structure.

The theoretical sewer capacity directly up stream of the Union Street diversion structure is 6.1 MGD. The normal dry weather flow from this area is calculated to be .470 MGD. The estimated population that is tributary to this CSO is 673 (Attachment C). The land use within this area is residential and general retail. The area's projected growth is limited.

There are no categorical users tributary to the Union Street CSO.

Rubicon Diversion Dam

The CSO at the Wastewater Treatment Facility is called the Rubicon Diversion Dam. The dam is an adjustable weir that is placed after the intake points for both the treatment facility and the excess flow facility. The Rubicon Diversion Dam will back up the flow within the Rubicon in order to maximize the collection system for storage. If the flow continues to back up within the collection system, it will spill over the top of the dam's weir, creating a CSO. Just feet after flowing over the dam the CSO will meet the discharge from the excess flow facility. They will flow together for approximately one mile before reaching the Salt Creek.

The theoretical sewer capacity ahead of the Rubicon Diversion Dam and the wastewater treatment facility is 330 MGD. Due to the fact that that this theoretical amount must flow into and by the treatment facility, the amount should be reduced by the 10.2 MGD that will be treated by the treatment facility and the 33.5 MGD that will be sent to excess flow for treatment. Therefore, the theoretical sewer capacity directly ahead of the Rubicon Diversion Dam is 286.3 MGD.

The population that is tributary to this CSO is 15,369. The average daily flow into the treatment facility was 3.6 MGD from May 2006 through April 2007. The projected population for this area is 16,900 by 2022. The land use within this area is residential, general retail, service retail, and light and heavy industrial.

The categorical users within this area are Abraham Lincoln Memorial Hospital, Weyerhaeuser, Precision Products, Lincoln and Logan Correctional Centers, Eaton Corporation, and Saint Gobain Containers.

D. Excess Flow Treatment

When the treatment facility receives flows that are in excess of the facility's capacity, the flow is pumped into excess flow clarifier, where it will receive primary treatment. It then flows by gravity into the excess flow chlorine contact tank, where it will be disinfected. The discharge for the excess flow is just past the Rubicon Diversion Dam, which must flow approximately one mile before reaching the Salt Creek.

E. Wastewater Treatment Facility

Dry weather flows are first treated by screening and grit removal. The flow is then pumped either to primary clarifiers or the aeration tanks. The mixed liquor then flows into the secondary clarifiers. The clarifier effluent is chlorinated and piped for approximately one mile

before reaching the receiving stream. The facility's sludge is treated with two aerobic digesters and then dewatered by either a belt press or drying beds. The sludge is then land applied.

2. Relationship to other CSO Collection Entities

The City of Lincoln has only two CSOs with its system and no other municipalities, collection systems, or satellite systems are tributary to the City's system.

3. Outstanding Orders from the Illinois Pollution Control Board

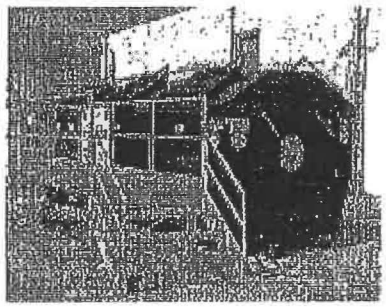
The Illinois Pollution Control Board has not issued any orders related to the City's two CSOs.

4. Outfalls to Sensitive Areas

Both the Union Street CSO and the Rubicon Diversion Dam discharge to natural water ways. The stream segments do not contain sensitive areas such as bathing beaches, recreations areas, or habitats for sensitive or endangered species.

5. Efforts Taken Toward Minimizing the Discharge of Pollutants from the CSO.

The City's pollution prevention efforts consist of dedicated street sweeping and leaf removal, anti-littering ordinances, established solid waste pick-ups, distribution of public trash receptacles, drop-ff type recycling containers as well as curb side pick-up, established programs for hazardous waste collection, fertilizers, herbicides, and pesticides.



In an effort to minimize pollutants and CSO discharges, the City performed a sewer separation project in 1999. The project included the addition of approximately 4.5 miles of storm sewer. The new storm sewer allowed the City to make approximately 1.7 miles of combined sewer into strictly sanitary sewer. The entire project allowed a tributary area of approximately 160 acres to become separated.

The City's leaf removal program begins the first week in October and continues through mid December, weather permitting. The City picks up leaves from curb side as well as physically removing them from the streets with sweepers and loaders.

6. Effort Taken Toward Maximizing Storage of Pollutants in the Collection System.

The City's efforts toward maximizing storage of pollutants in the collection system has been to set the only stop plank and the Rubicon Diversion Dam at as high a level as possible before basement backups occur.
The only stop plank that is in the system is placed just upstream of the wastewater treatment facility. When the flow backs up to a point of surcharging the stop plank, it spills over and flows down a concrete channel into the wastewater treatment facility. This concrete channel directs the flow into the facility's dry weather intake, the excess flow intake, or to the Rubicon Diversion Dam.

The Rubicon Diversion Dam forces the flow to back up within the concrete channel. When the channel is at capacity, the flow will spill over the Dam creating a CSO.

7. Pollution Prevention Aspects of this Operational Plan

Included by reference to this O & M Plan is the Pollution Prevention Plan (PPP). The PPP's is being developed in conjunction with this O & M Plan and the content can be summarized to include the following pollution prevention measures:

- Dedicated street sweeping.
- Passage of an anti-littering ordinance to prevent littering.
- Established solid waste pick ups.
- Distribution and use of trash receptacles.
- Placement of drop-off type recycling containers as well as curb-side pick up recycling.
- Established fertilizer, herbicide, pesticide, and de-icing programs.
- Established hazardous waste collection programs.

8. Efforts made to Monitor CSO Impacts and Efficiency of CSO Controls

The Rubicon Diversion Dam is inspected daily and the Union Street CSO is inspected every other day. When a CSO event occurs, the event is logged and sampling is performed according to the City's NPDES permit.

9. Public Notification Program

The City's most recently issued NPDES Permit contains a special condition for the development of a Public Notification Program. The program must implemented by May 1, 2008.

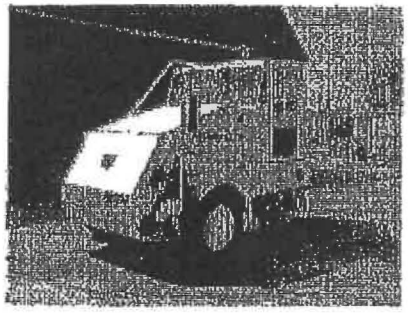
10. Location of the CSOs

The Union Street CSO is located at the Union Street Lift Station. The latitude of the CSO is 40° 9" 38.2" North and the longitude is 89° 22' 5.2" West.

The Rubicon Diversion Dam is located at the Wastewater Treatment Facility. The latitude of the CSO is 40° 8" 11.7" North and 89° 22' 26.8" West.

MAINTENANCE

1. Schedule for Street Cleaning in Combined Sewer Areas



The City sweeps the downtown combined sewer area one night each week, as weather permits. The City also dedicates three days to street sweeping other combined sewer areas, as weather permits.

2. Catch Basin Cleaning

The City's Street Department cleans the grating on the catch basins by hand, as necessary, during and after each rain event. The underground portion of the catch basins, which are connected to the combined system, are cleaned every fifth year, unless it is necessary to clean it due to clogging.

3. Scheduled for Cleaning Trunk and Interceptor Sewers

A program has been developed where the collection system has been divided into four sections. All main lines are cleaned within the specific section each year (Attachment D).

4. Stop Plank Setting Information

The control of the level of the combined sewer is accomplished by the elevation of the stop plank in the Rubicon. Over time, the City staff has found that the stop plank is set as high as possible without causing a number of basement back-ups.

The Rubicon Diversion Dam has been set at a level that allows the dry weather and the excess flow portion of the facility to accept design flows. Any amount past design flows will spill over the Dam creating a CSO.

It is unknown as to the last time the stop plank or Rubicon Diversion Dam was adjusted.

5. Description of Procedures for Cleaning Screening Equipment, Valve Regulation, and Reduction of Solids Deposition in the Combined Sewers

The Palmer Street Lift Station and the Wastewater Treatment Facility are fitted with automatic bar screens. The screen at the Palmer Street Lift Station operates by a timer only. The screen at

the treatment facility will operate from a timer or when the head difference between the front and back of the screen reaches a specific level. During a rain event the screen will operate continuously.

There are no bypass valves at either CSO point. Therefore, no CSO valve regulation is executed.

Reduction of solids deposition in the combined sewers is explained within the Pollution Prevention Plan and the cleaning of sewers and catch basins every four years.

INSPECTIONS AND MONITORING

1. Schedule for Inspecting the CSO Diversion Structure

The Union Street Lift Station is inspected every other day, and the Rubicon Diversion Dam is inspected daily.

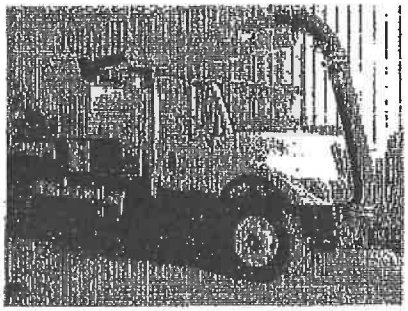
2. Pump Station Inspections and Preventive Maintenance

The City has 11 lift stations as well as the lift stations within the treatment facility. Each lift station is inspected every other day and the stations at the treatment facility are inspected daily. Each station is equipped with high water alarms and the treatment facility is equipped with multiple alarms. In each case an automatic dialer will contact the facility personnel.

All equipment is maintained in accordance with the manufacturer's recommendations. The wet wells and control systems are cleaned twice each year.

3. Sewer Inspection Schedule

The Staff periodically opens various manholes in the collection system and visually determines whether internal inspection is needed, based on accumulated debris and/or the presence of foreign materials.



Once per month, the "hot spots" are cleaned in order to prevent unnecessary back-ups.

Also a program has been developed, where main line sewers are cleaned every four years. Sewers are televised on an as needed basis. A formal televising program is not in place at this time.

4. Schedule for Inspecting Surface Water Anti-Intrusion Devices

There are no surface water anti-intrusion devices or flap gates on any of the CSOs.

5. Procedures for Finding and Eliminating Illegal Sewer Connections

The City's strategy for finding and eliminating illegal connections is to perform visual inspections while the crew is cleaning or televising sewers. In addition, the City's Building Official performs a final inspection on new construction.

6. Procedures for Finding and Eliminating Dry-Weather Overflows

The Staff is unaware of any dry weather overflows ever occurring. The high water alarm float is set at the Union Street Lift Station so that if an overflow occurs, the personnel are notified and the Rubicon Diversion Dam is inspected daily.

ATTACHMENTS

Attachment A – Union Street CSO and the Wastewater Treatment Facility CSO Locations
Attachment B – Union Street Diversion Structure
Attachment C – Tributary Area of Union Street CSO
Attachment D – Sewer System Divisions
Attachment E – City Zoning Map
Attachment F – Sewer System Map

ATTACHMENT A

CSO Locations

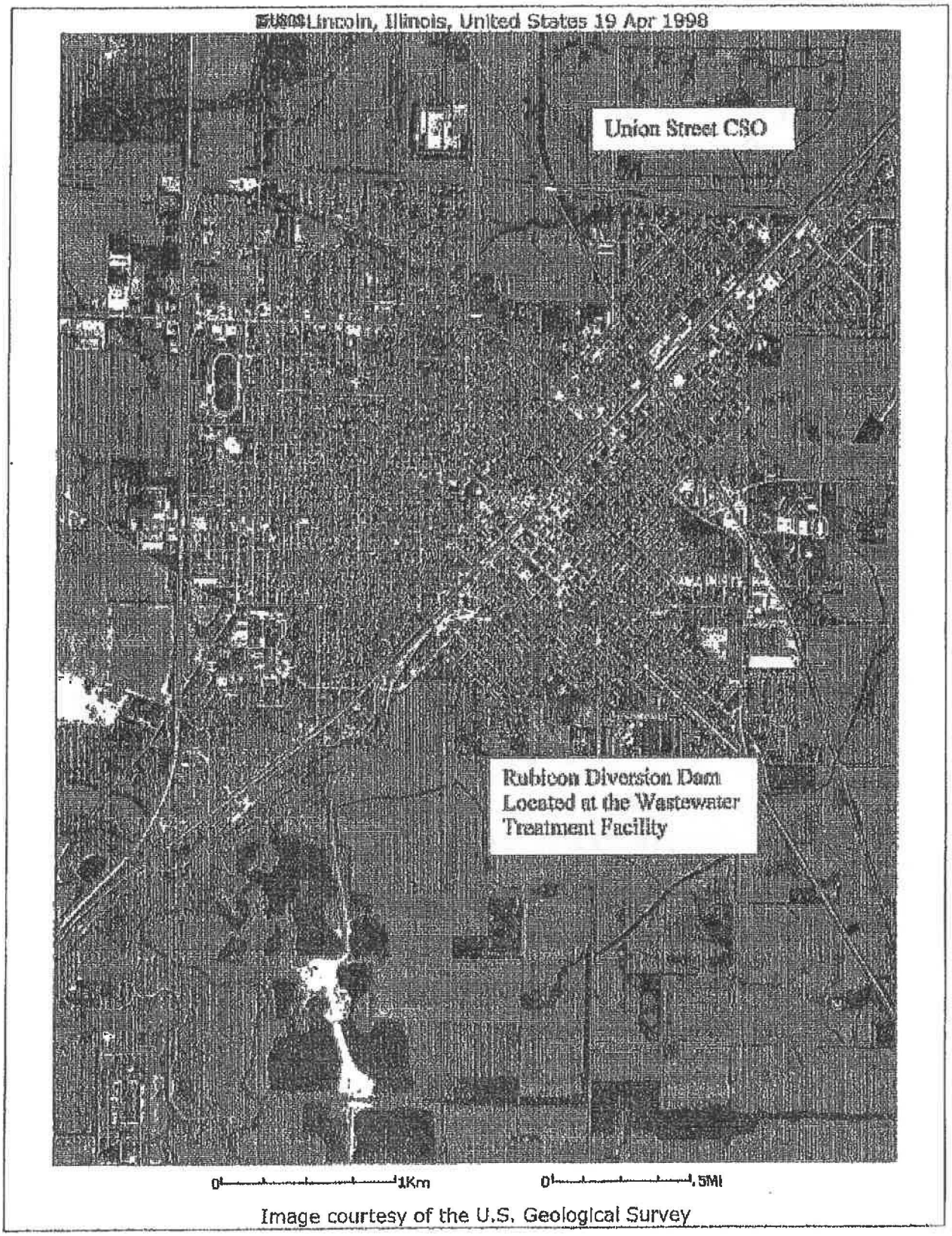


Image courtesy of the U.S. Geological Survey

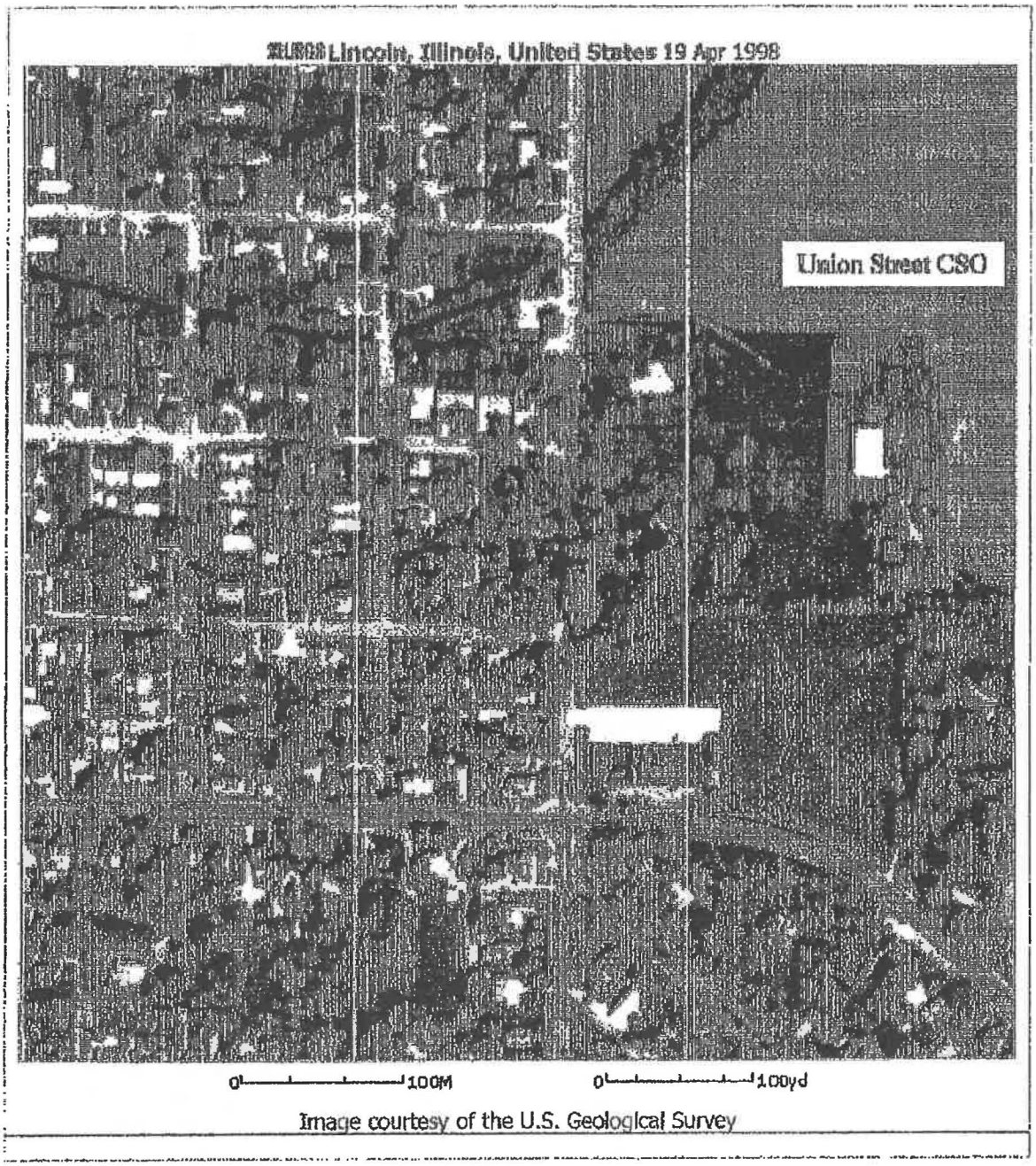


Image courtesy of the U.S. Geological Survey

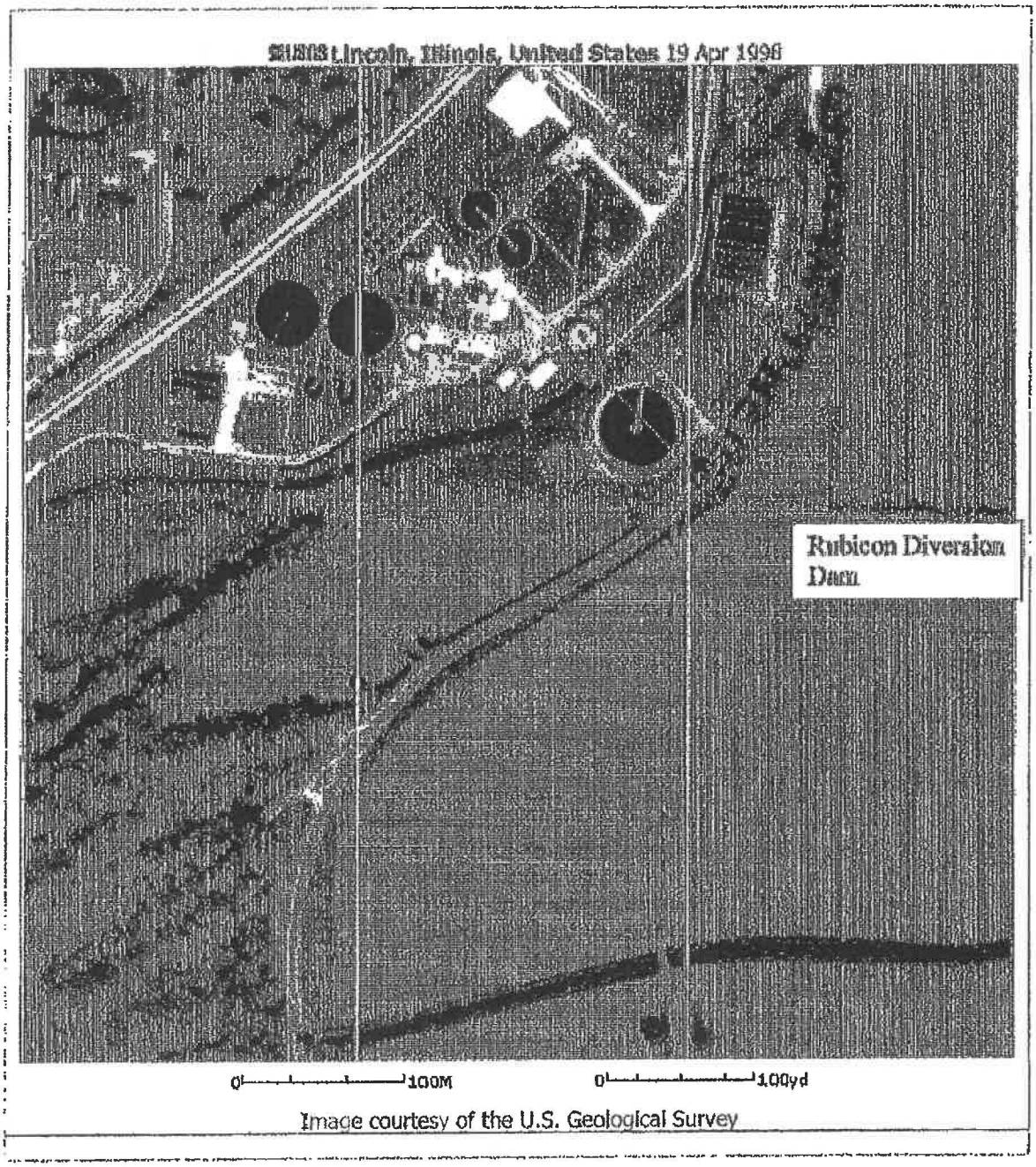


Image courtesy of the U.S. Geological Survey

ATTACHMENT B

Union Street Diversion Structure

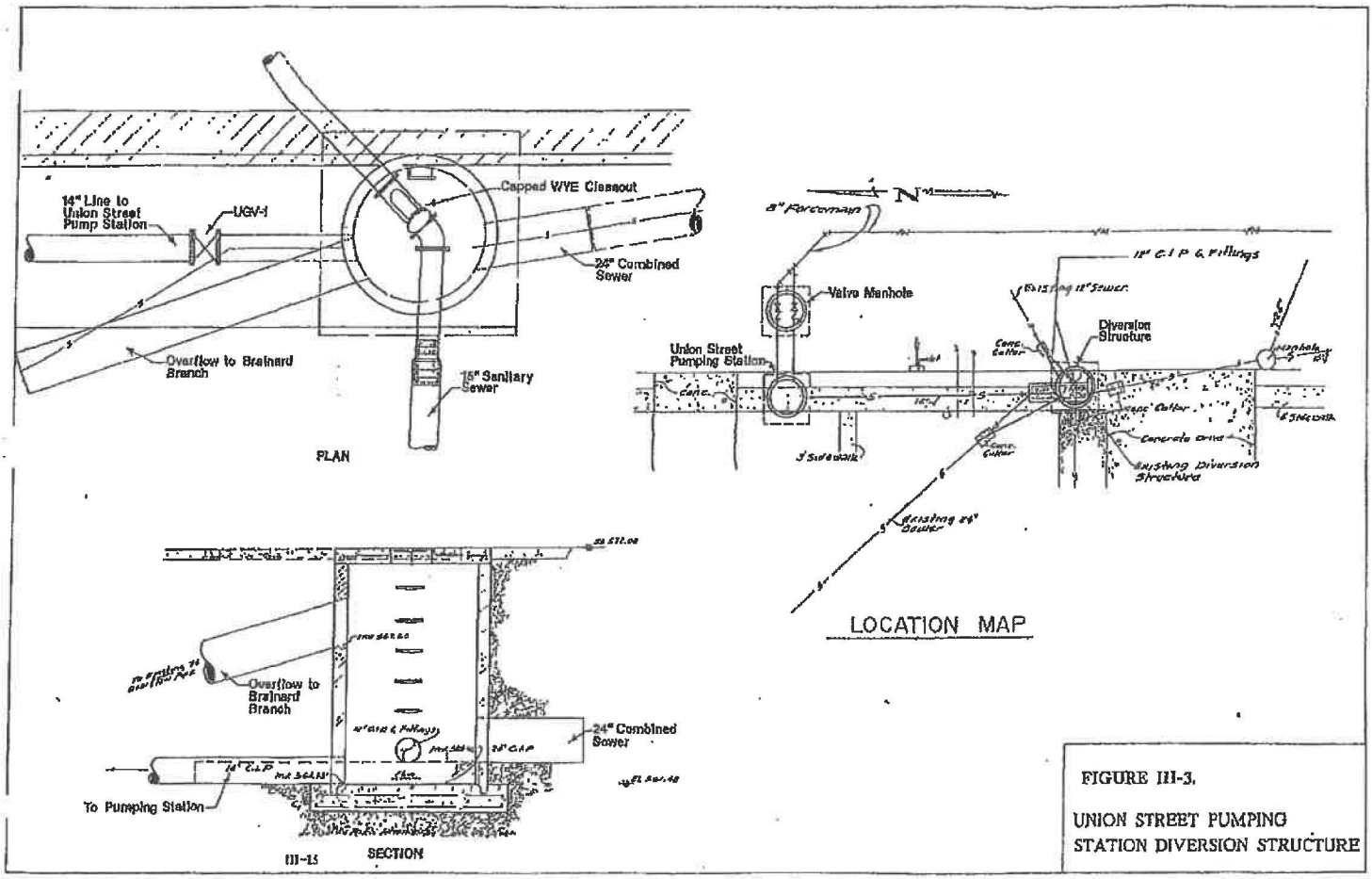


FIGURE III-3.

UNION STREET PUMPING STATION DIVERSION STRUCTURE

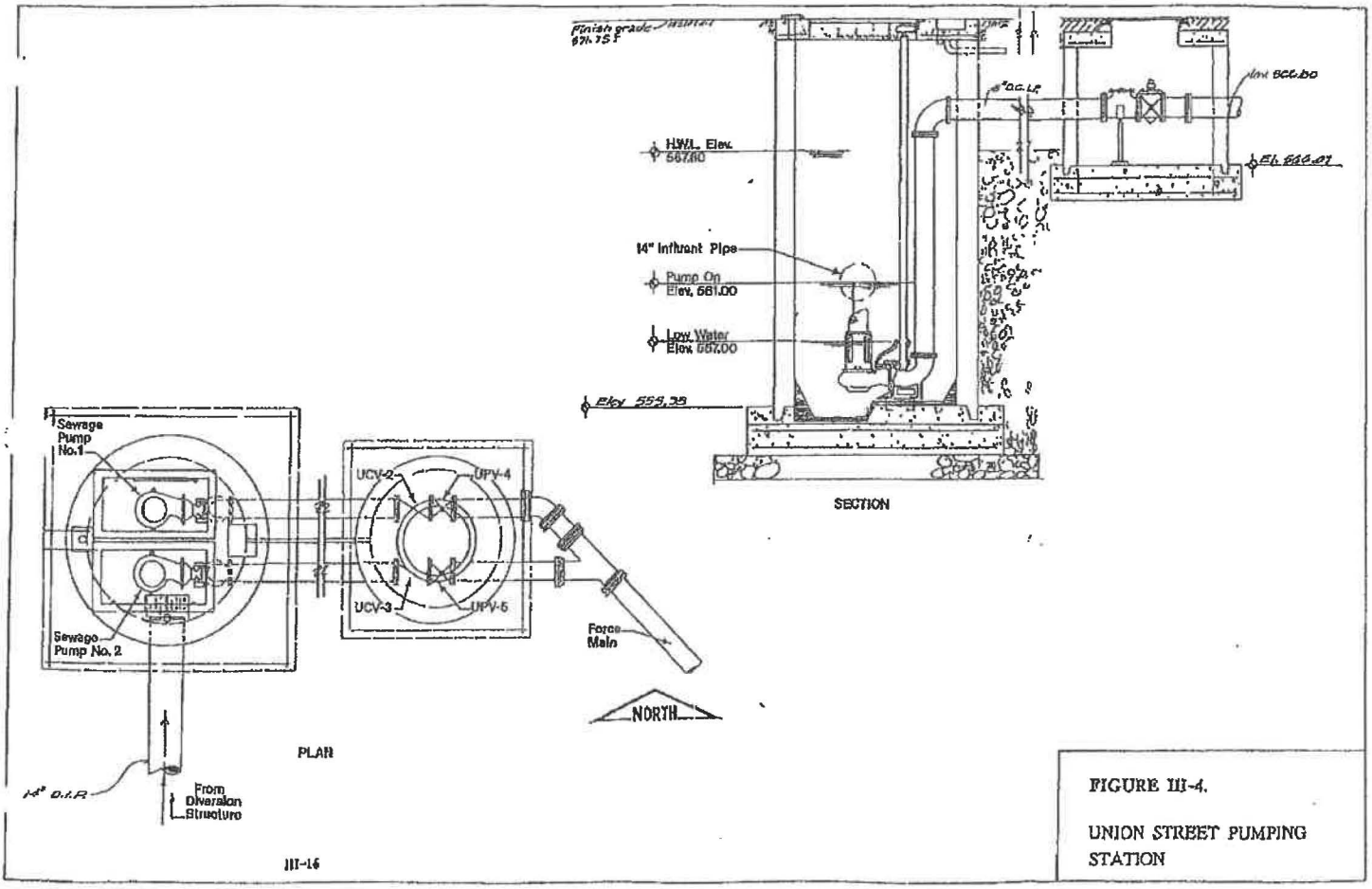
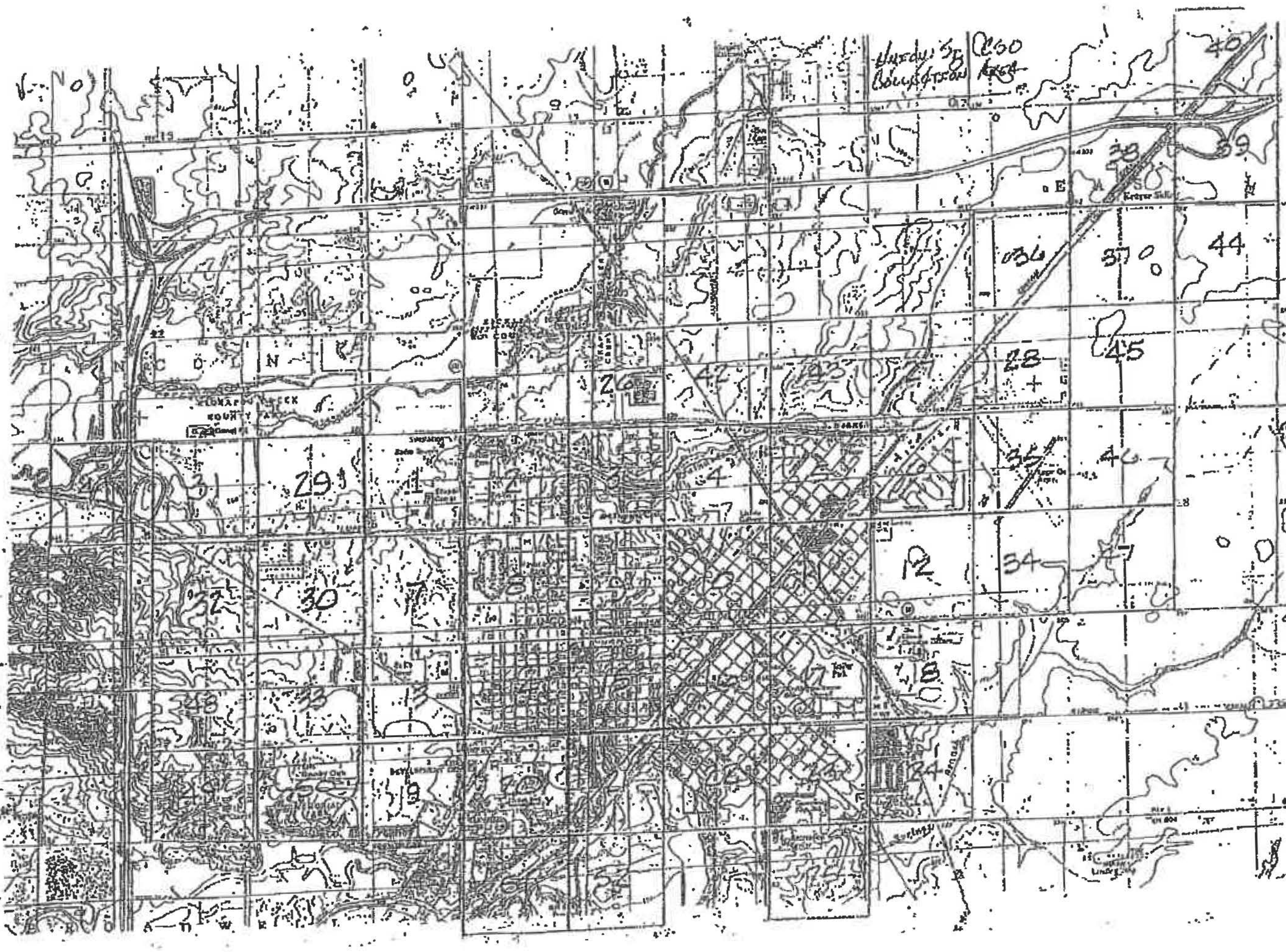


FIGURE III-4.

UNION STREET PUMPING STATION

ATTACHMENT C

Tributary Area of Union Street CSO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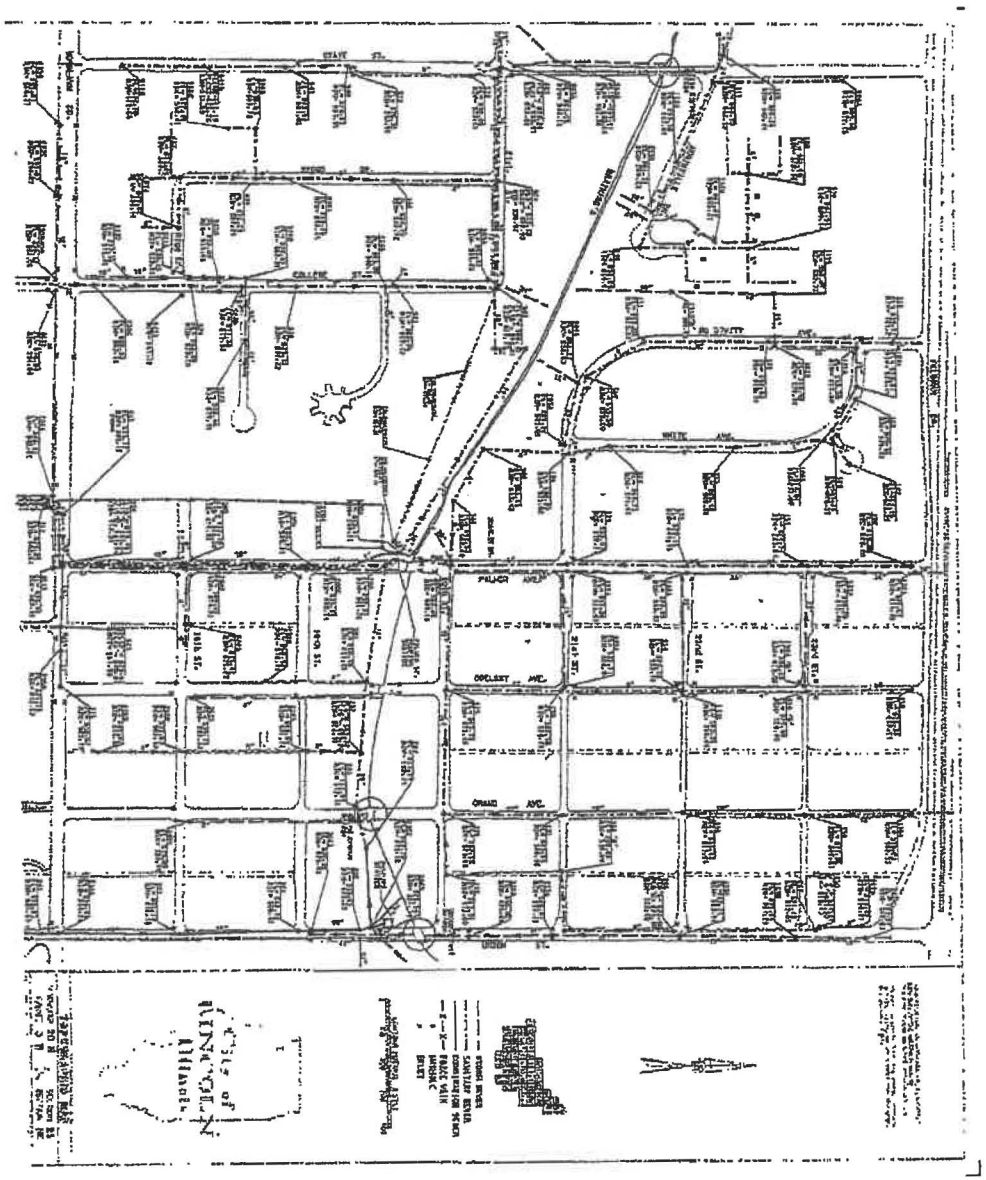
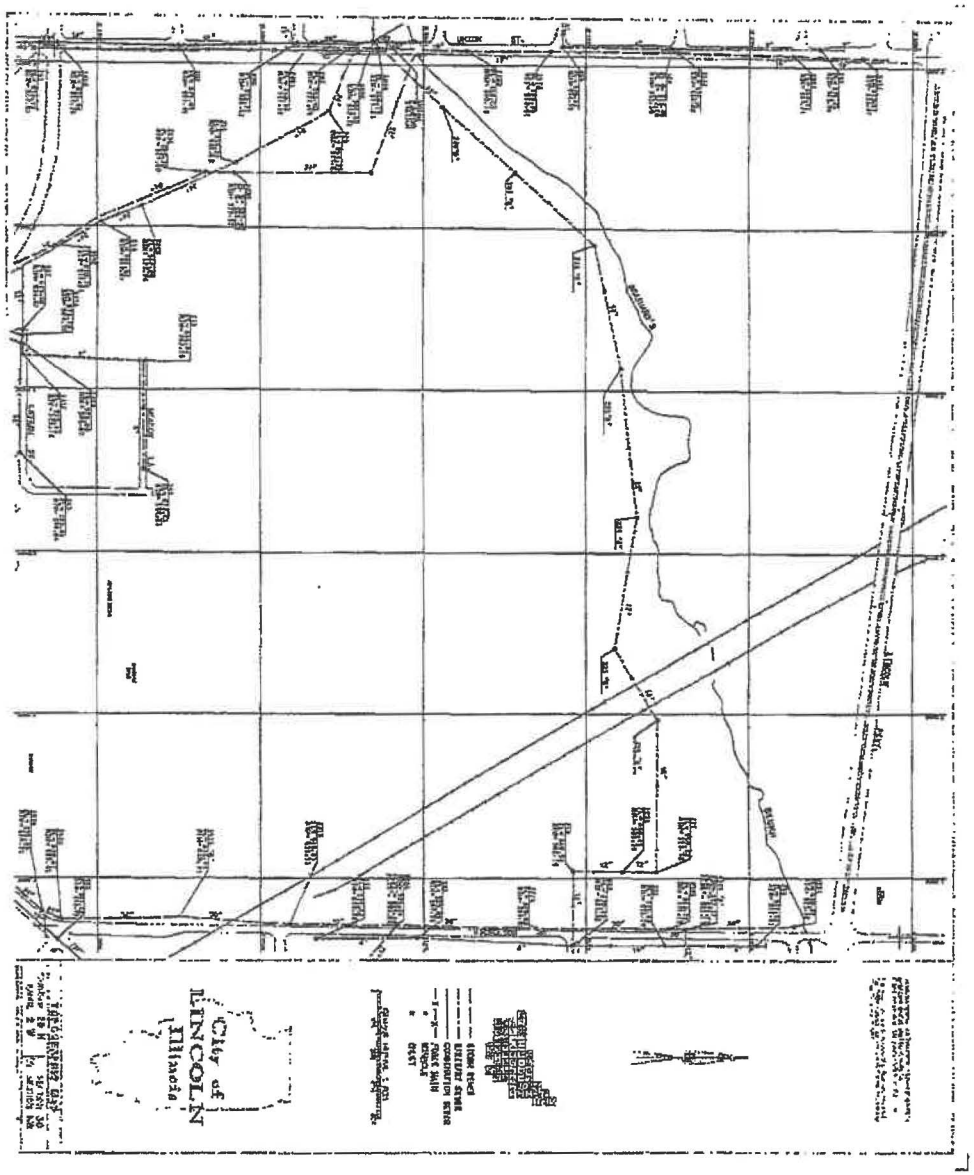


COMBINATION, SANITARY, STORM, FORCE



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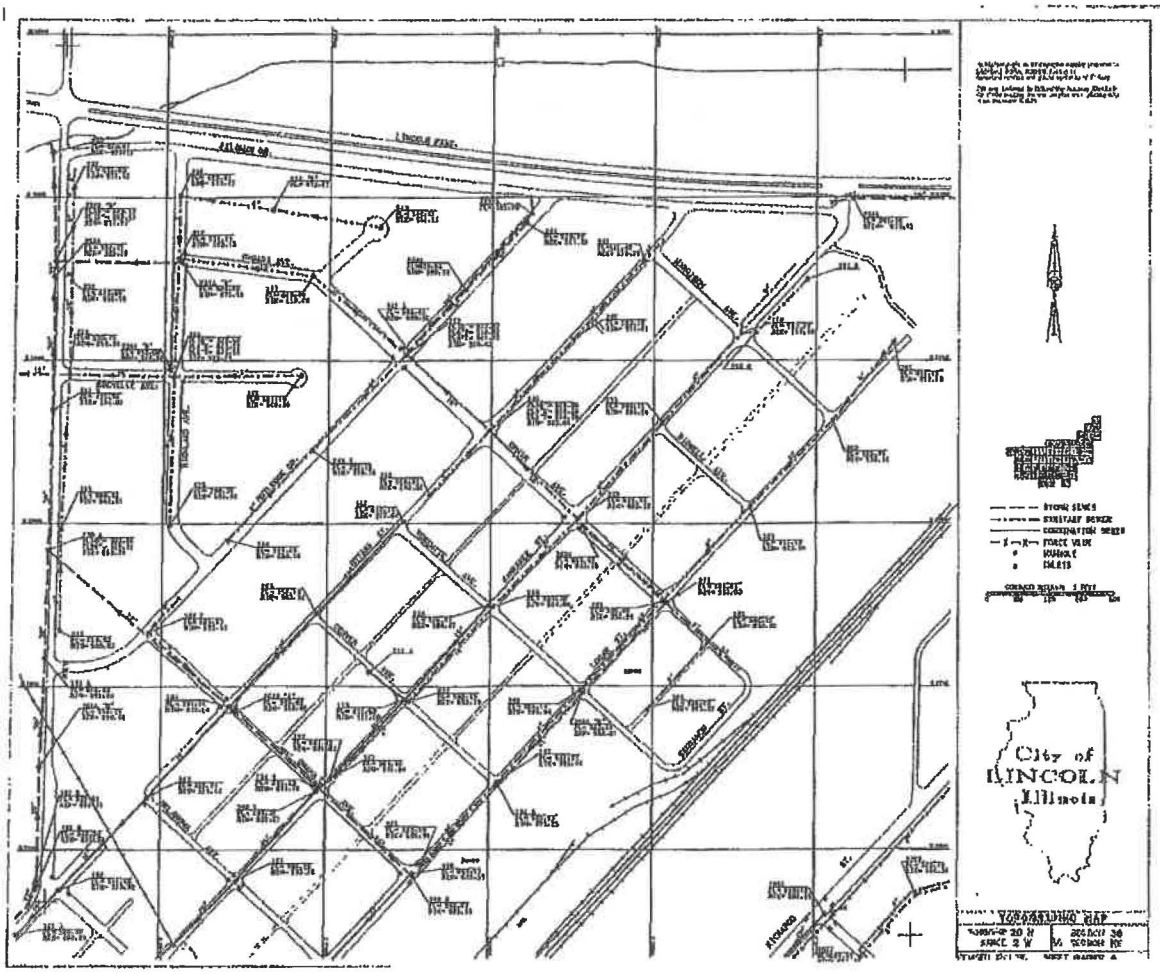

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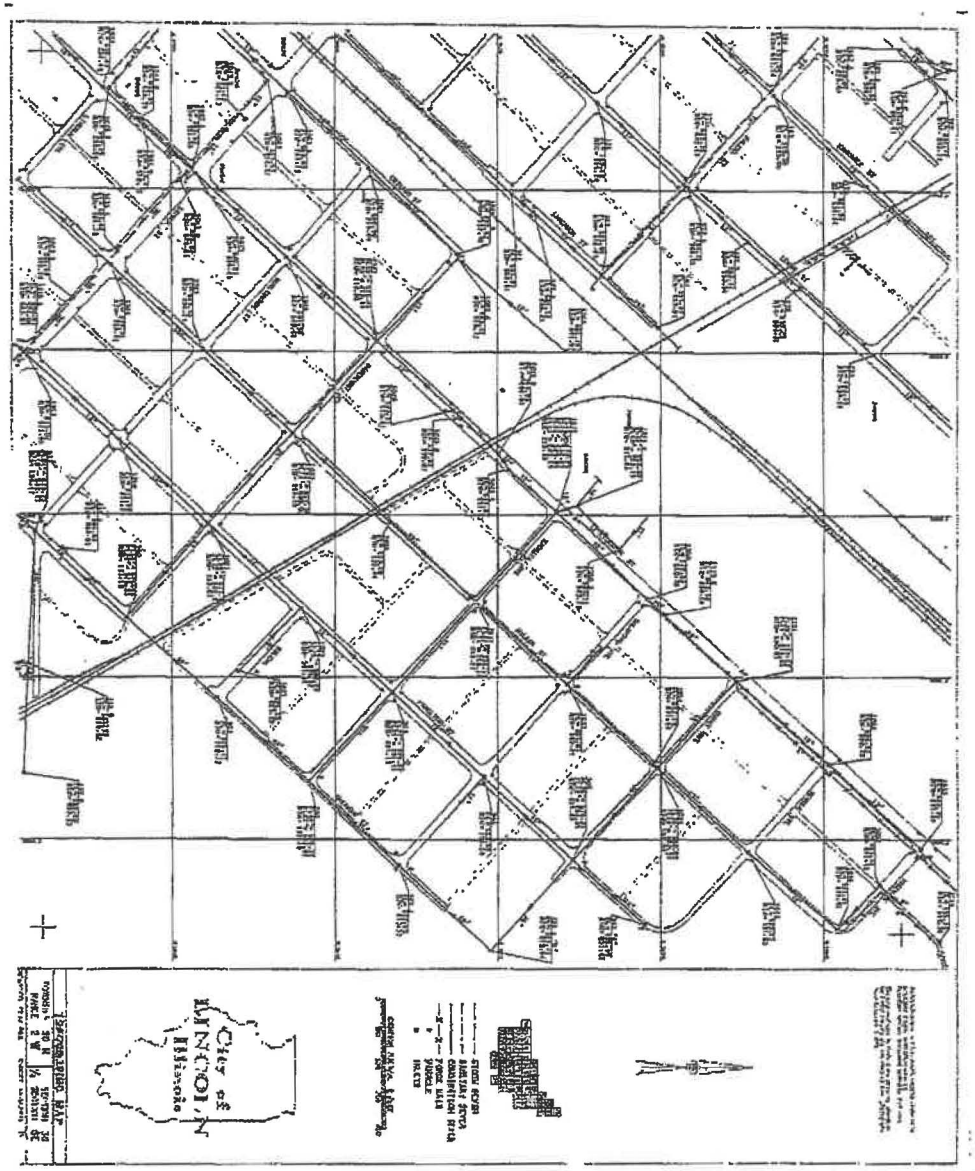
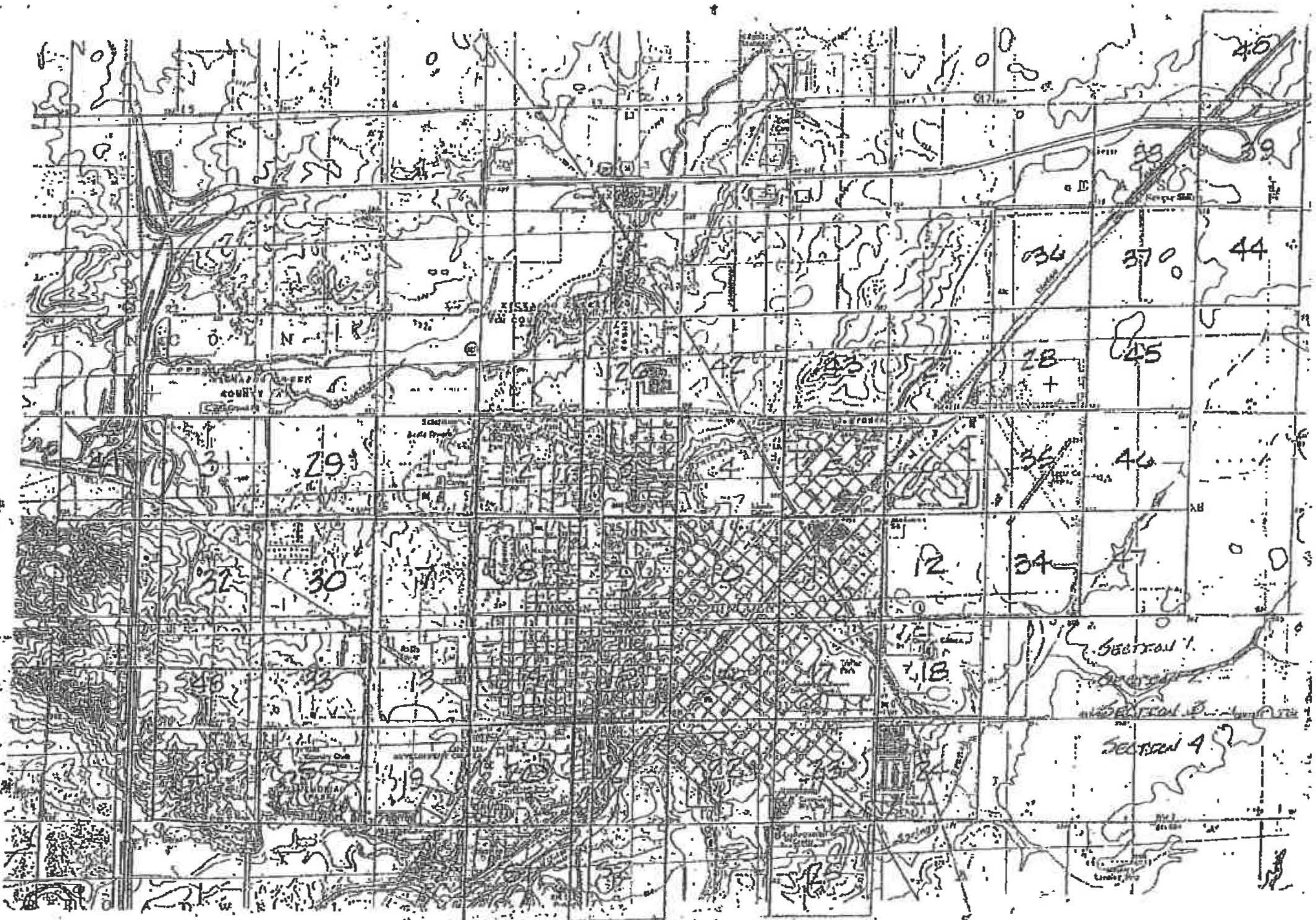


COMBINATION, SANITARY, STORM, FORCE

ATTACHMENT D

Sewer System Divisions



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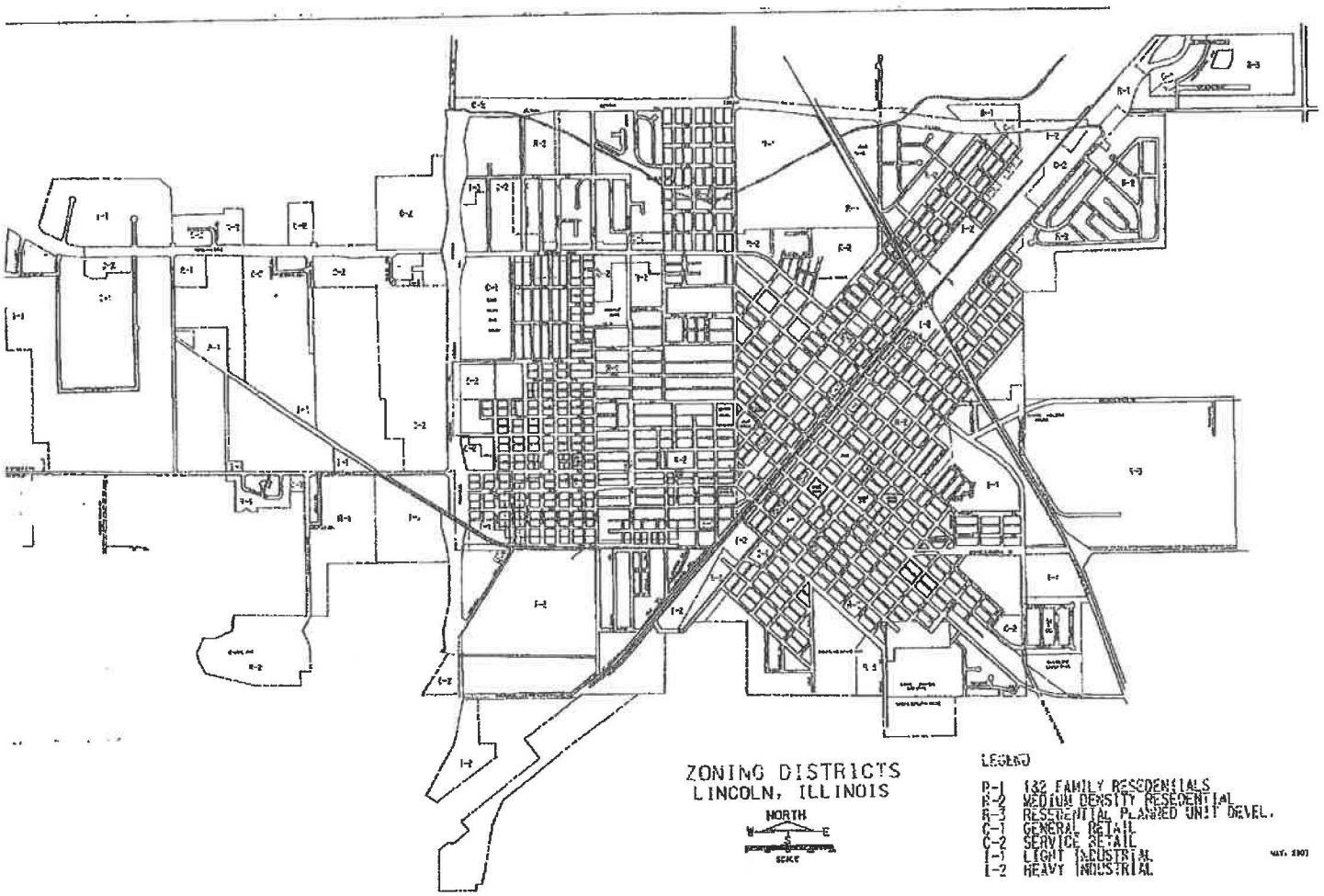
SECTION 1
SECTION 4

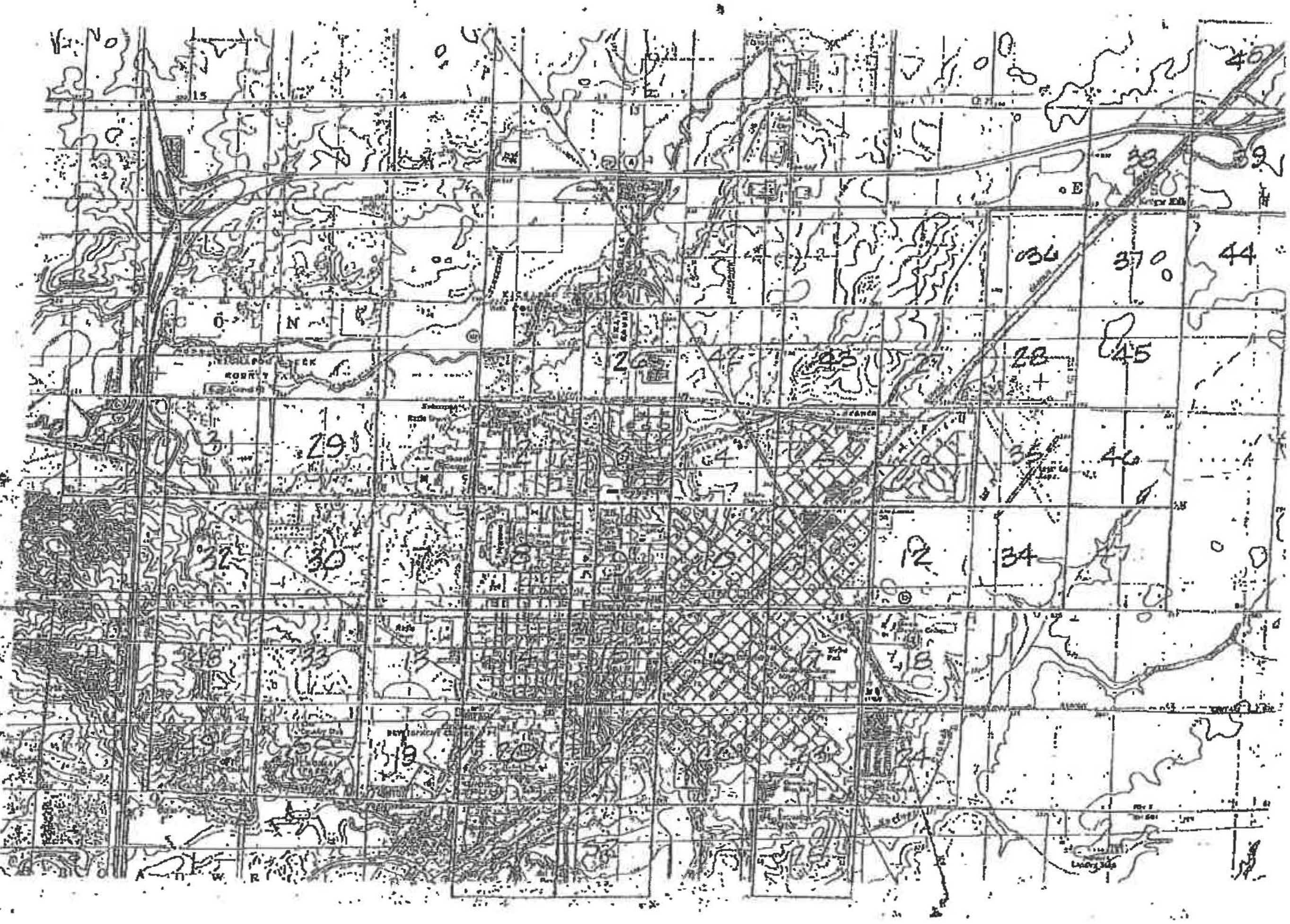
ATTACHMENT E

Zoning Map


ZONING DISTRICTS
LINCOLN, ILLINOIS
NORTH
W
E
SCALE
LEGEND
R-1 1&2 FAMILY RESIDENTIALS
R-2 MEDIUM DENSITY RESIDENTIAL
R-3 RESIDENTIAL PLANNED UNIT DEVEL.
C-1 GENERAL RETAIL
C-2 SERVICE RETAIL
I-1 LIGHT INDUSTRIAL
I-2 HEAVY INDUSTRIAL

ATTACHMENT F

Sewer System Map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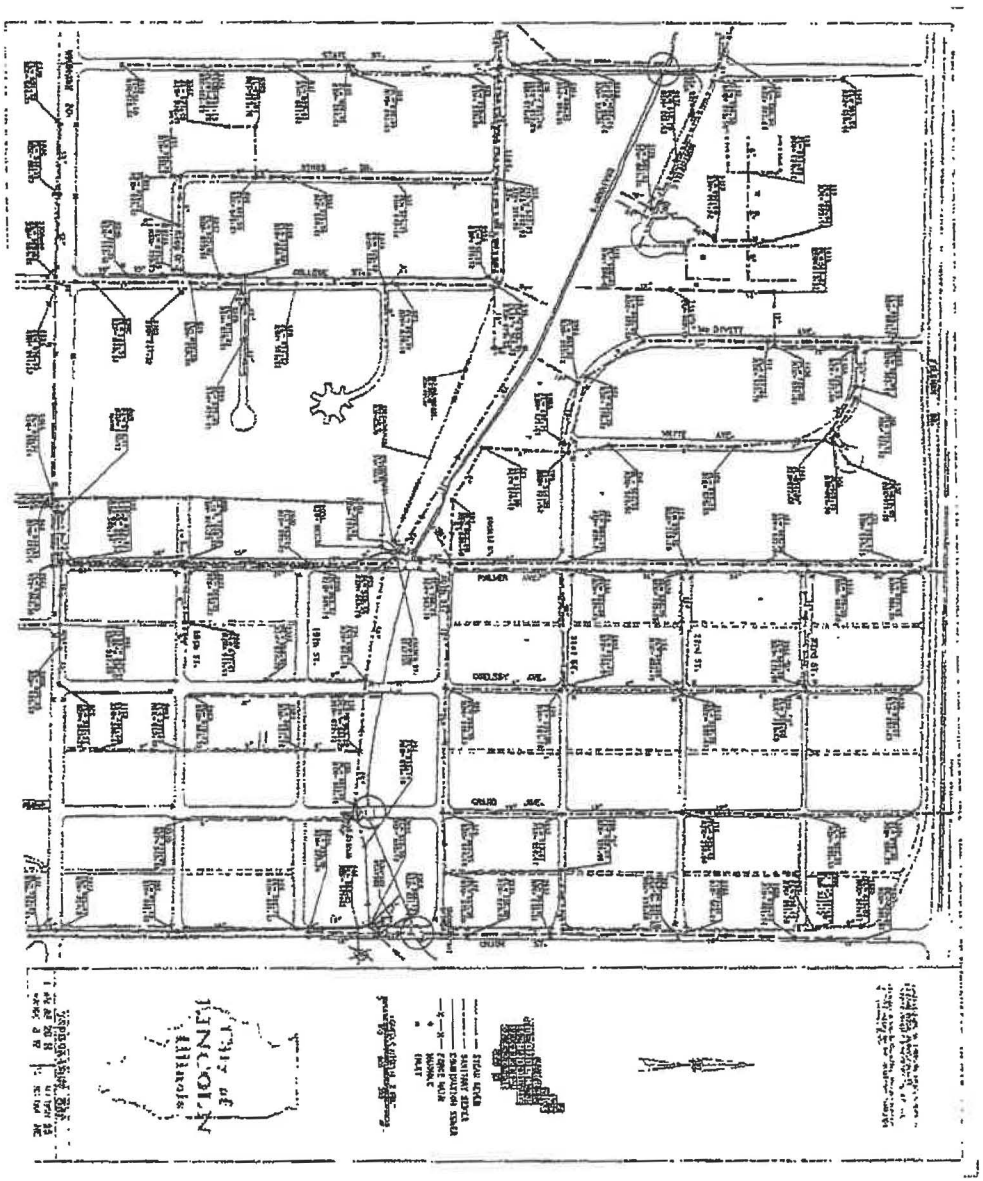
COMBINATION, SANITARY, STORM, FORCE



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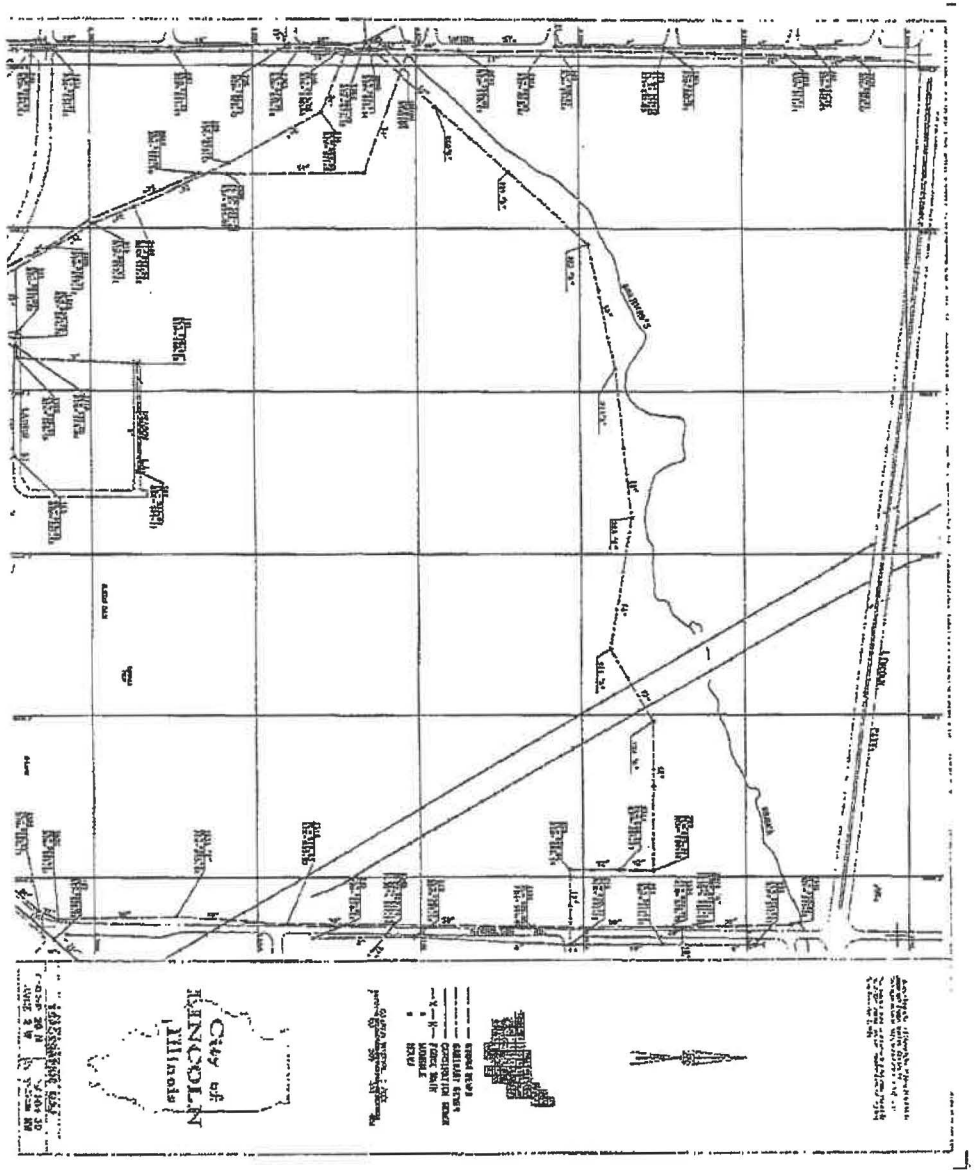

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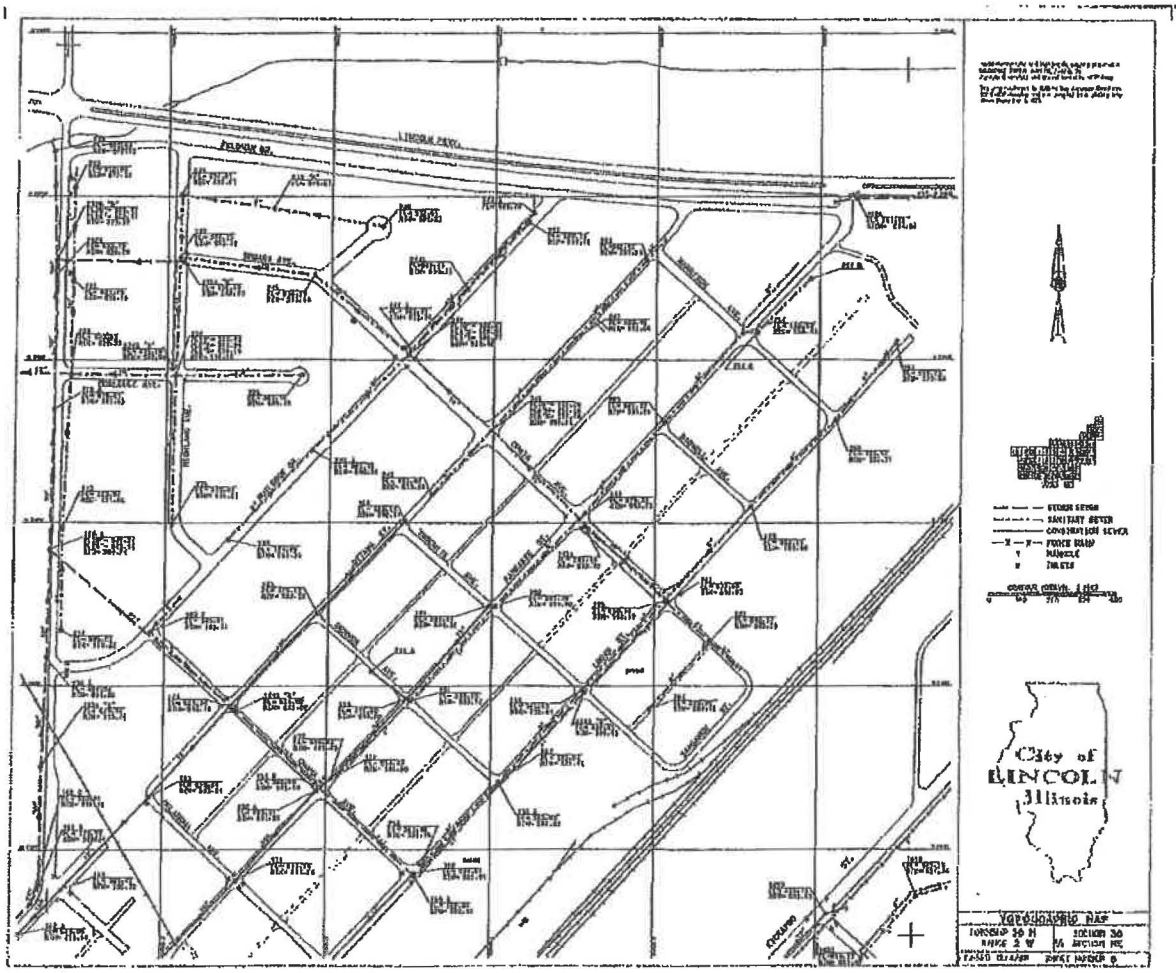

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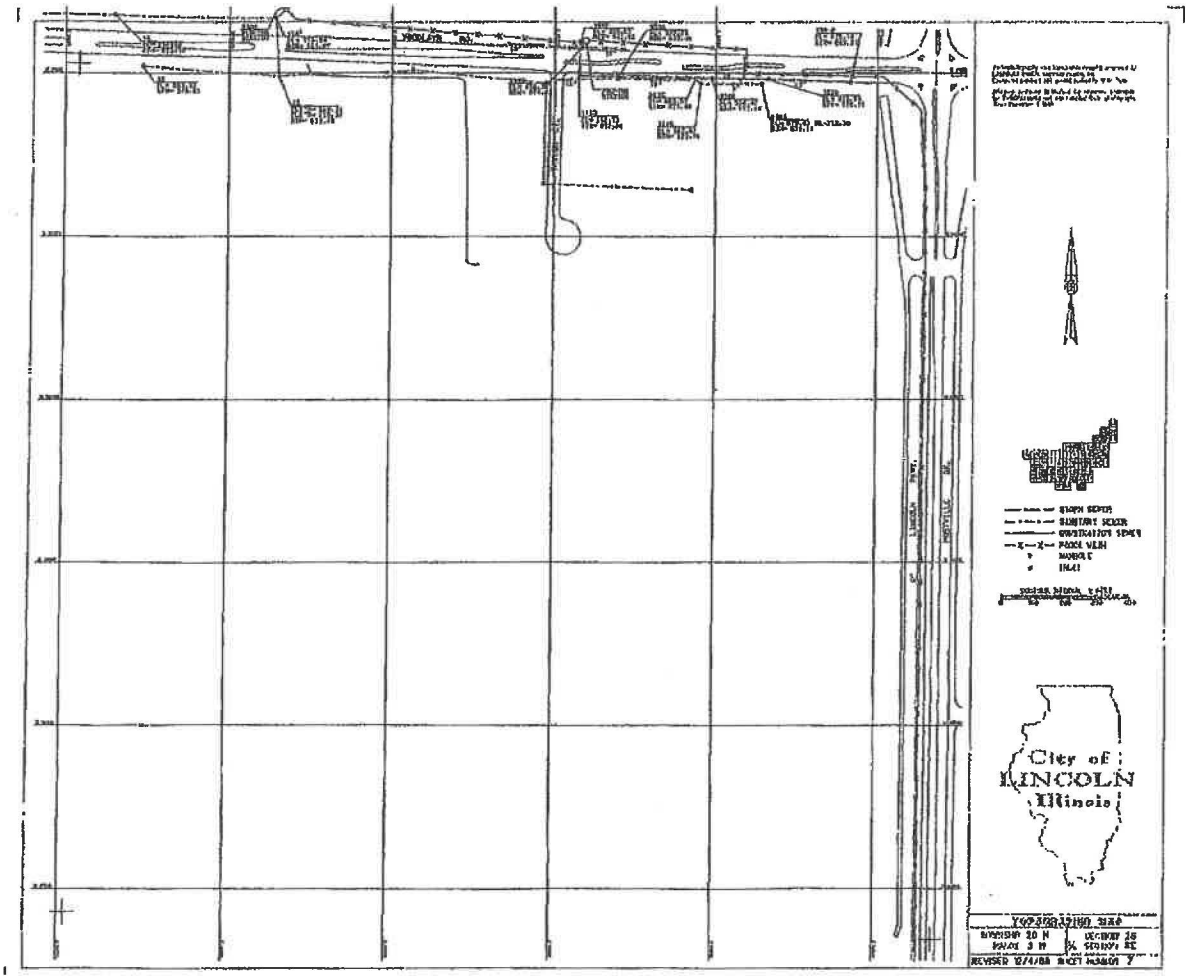

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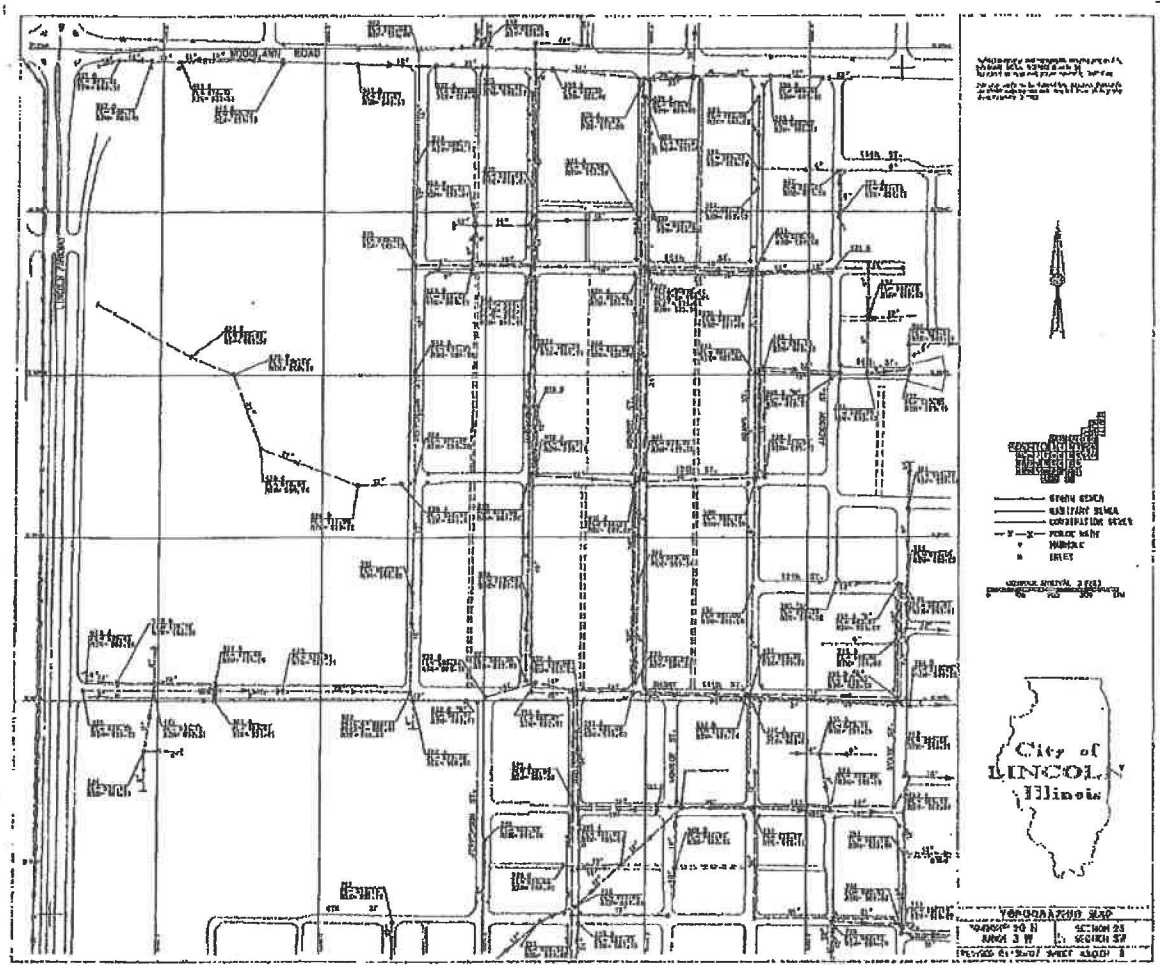

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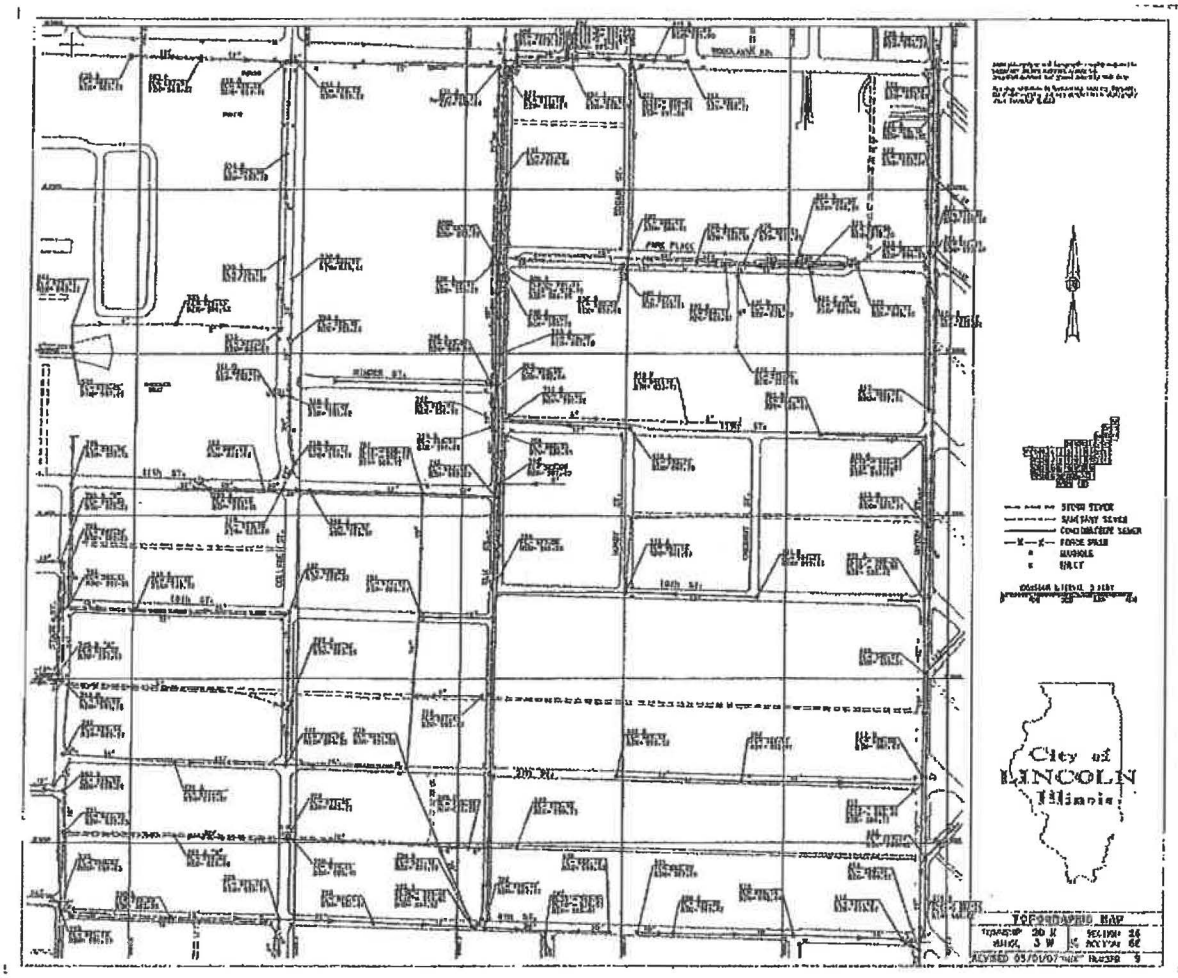

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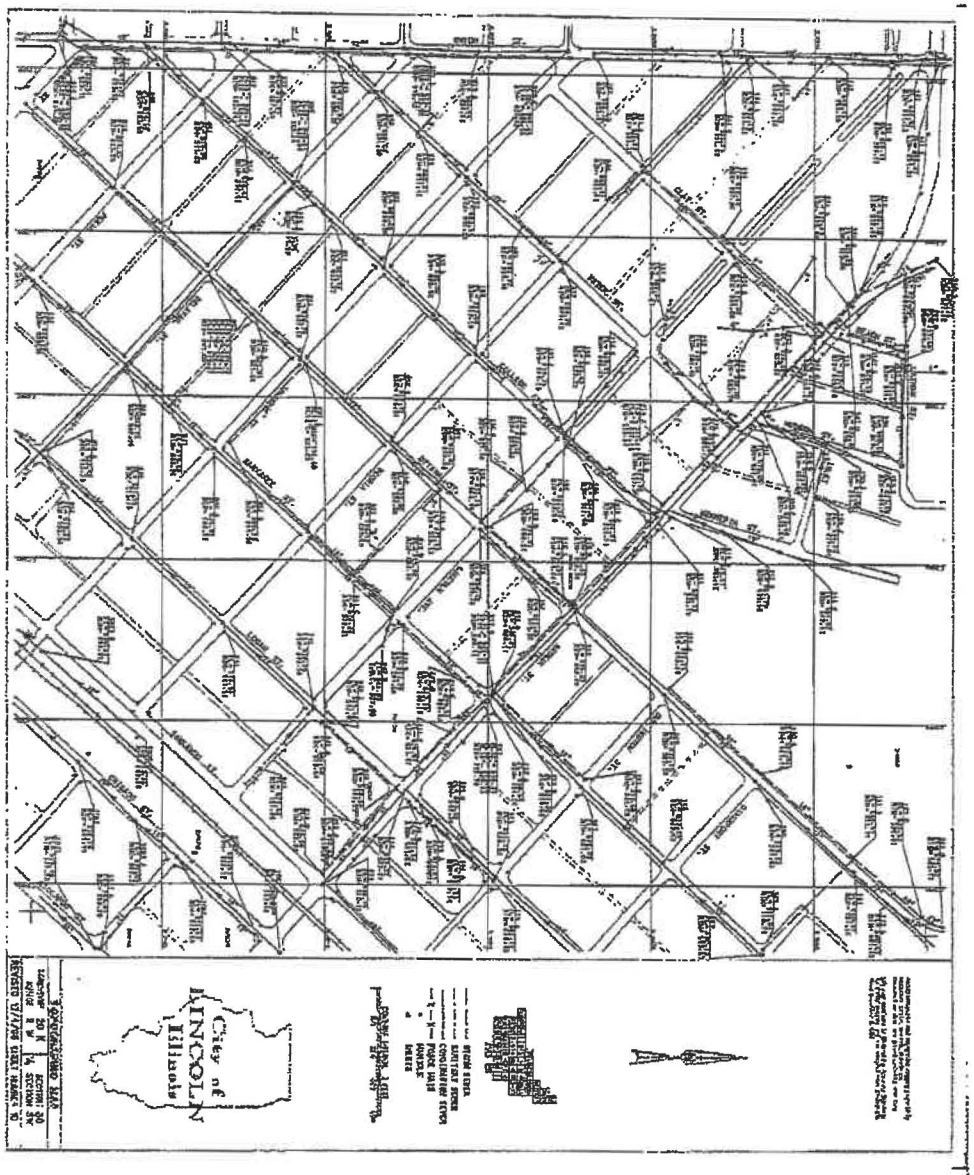

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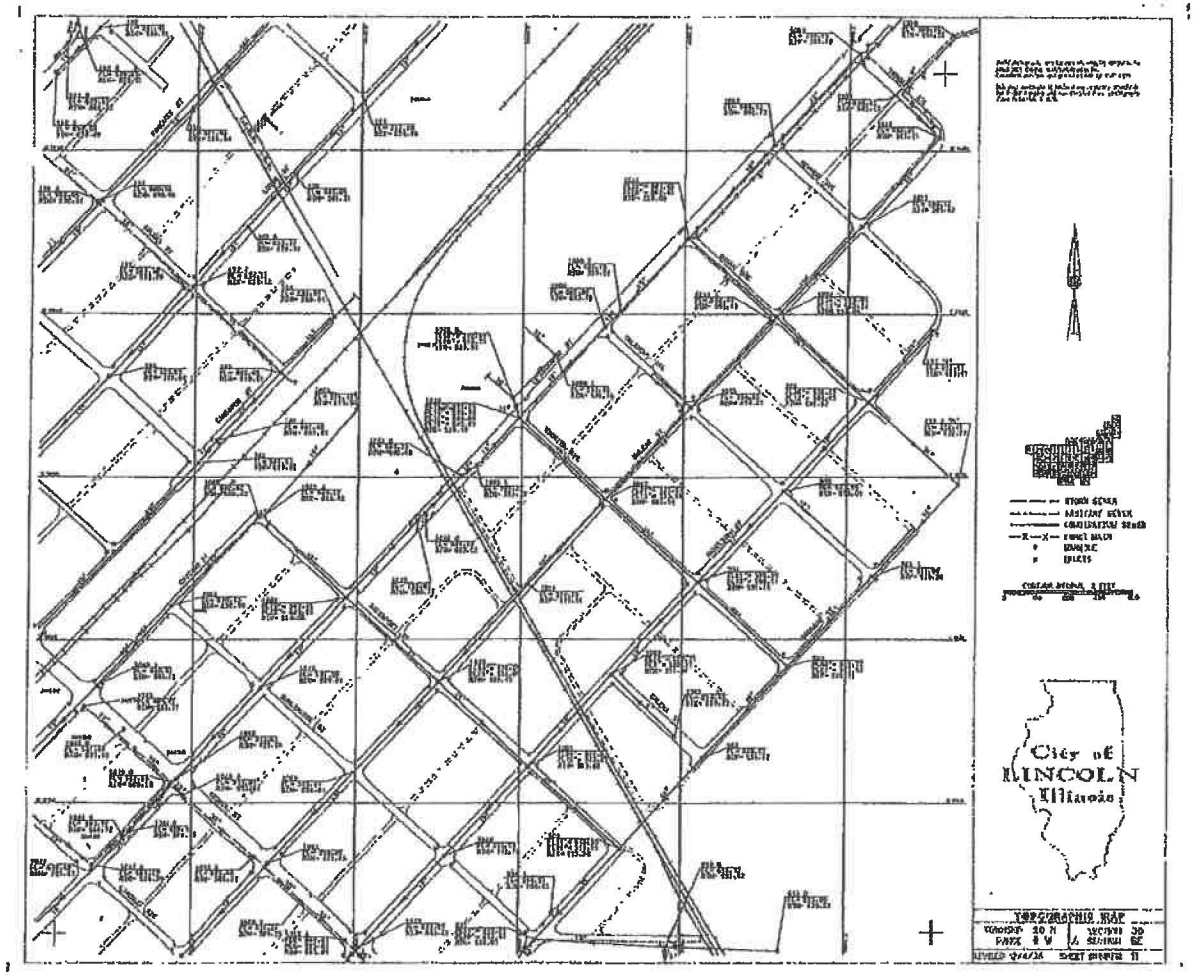

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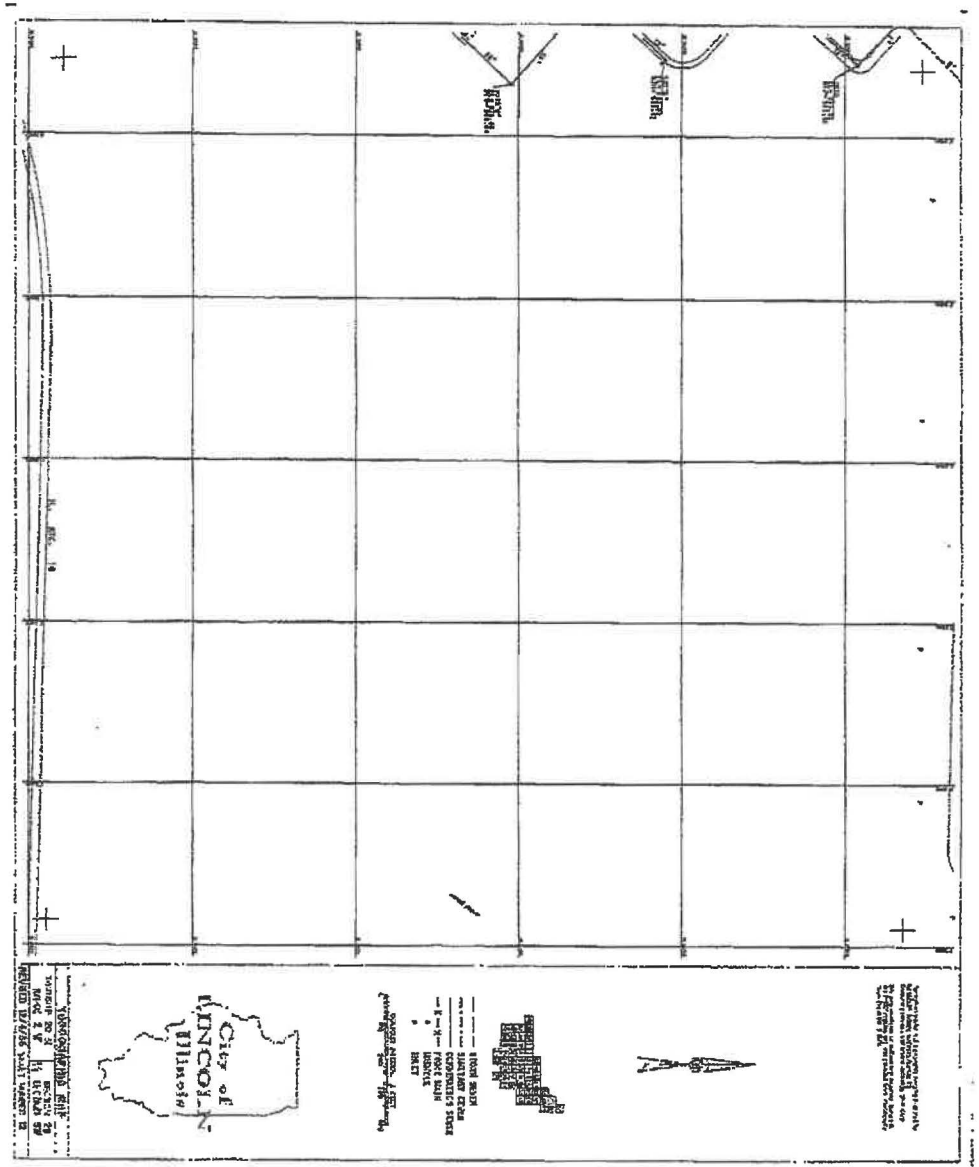

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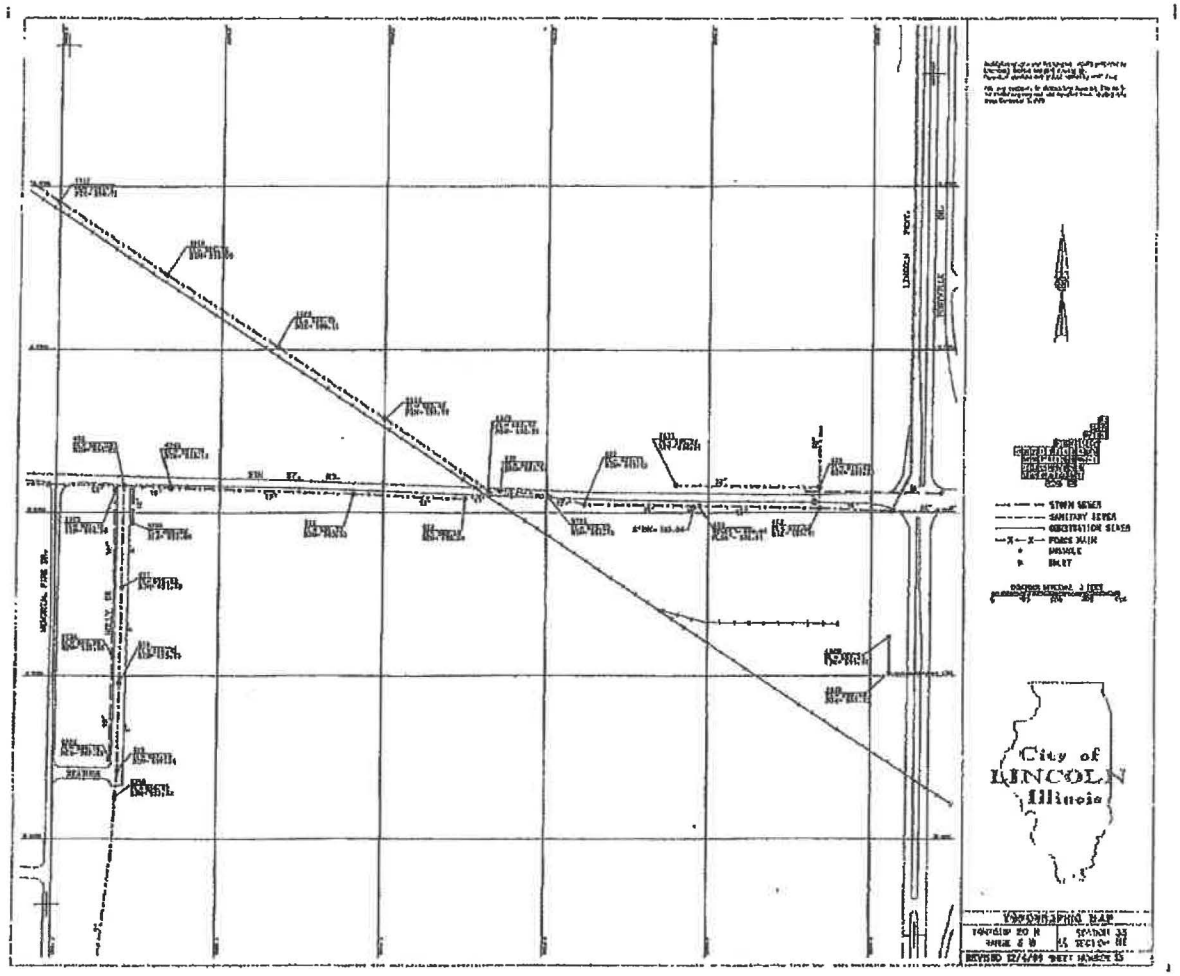

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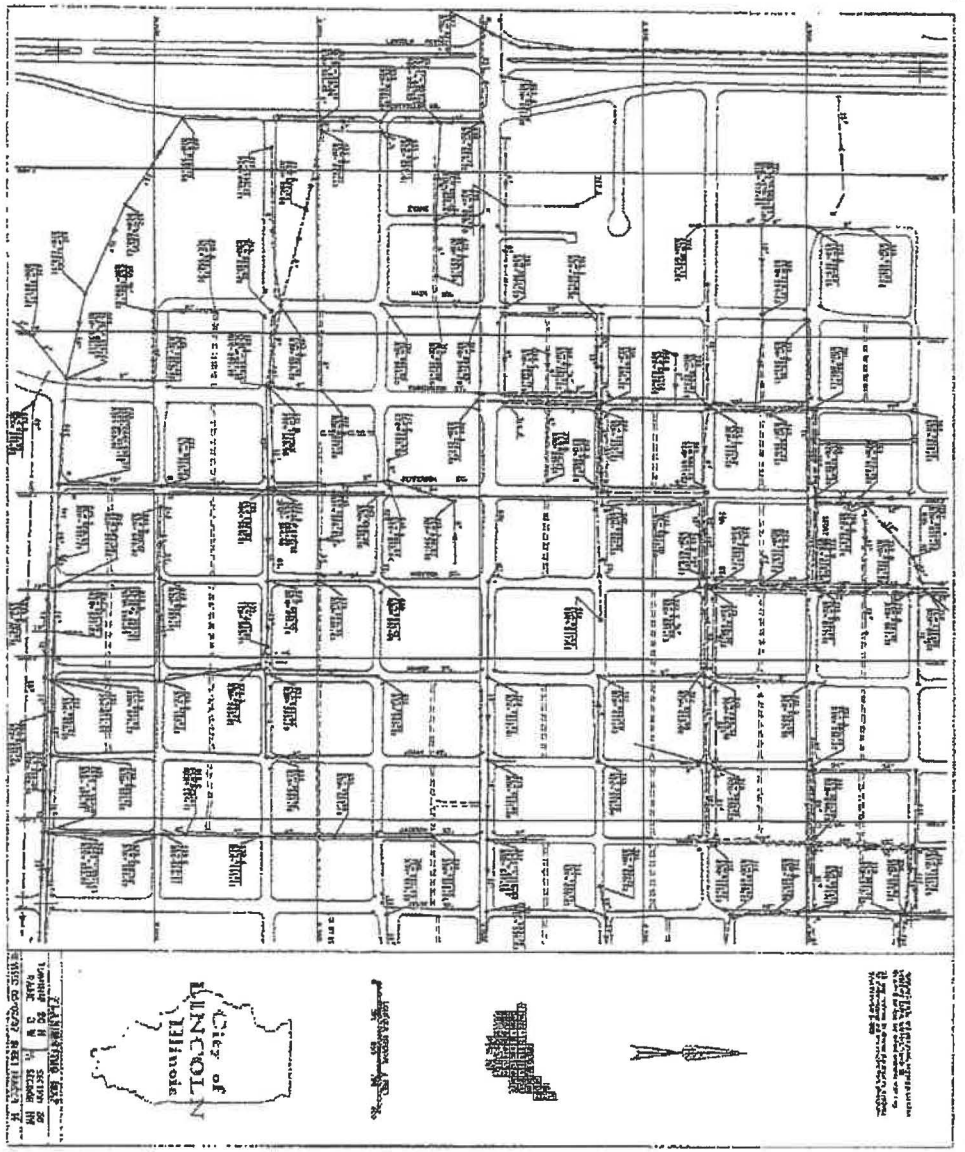

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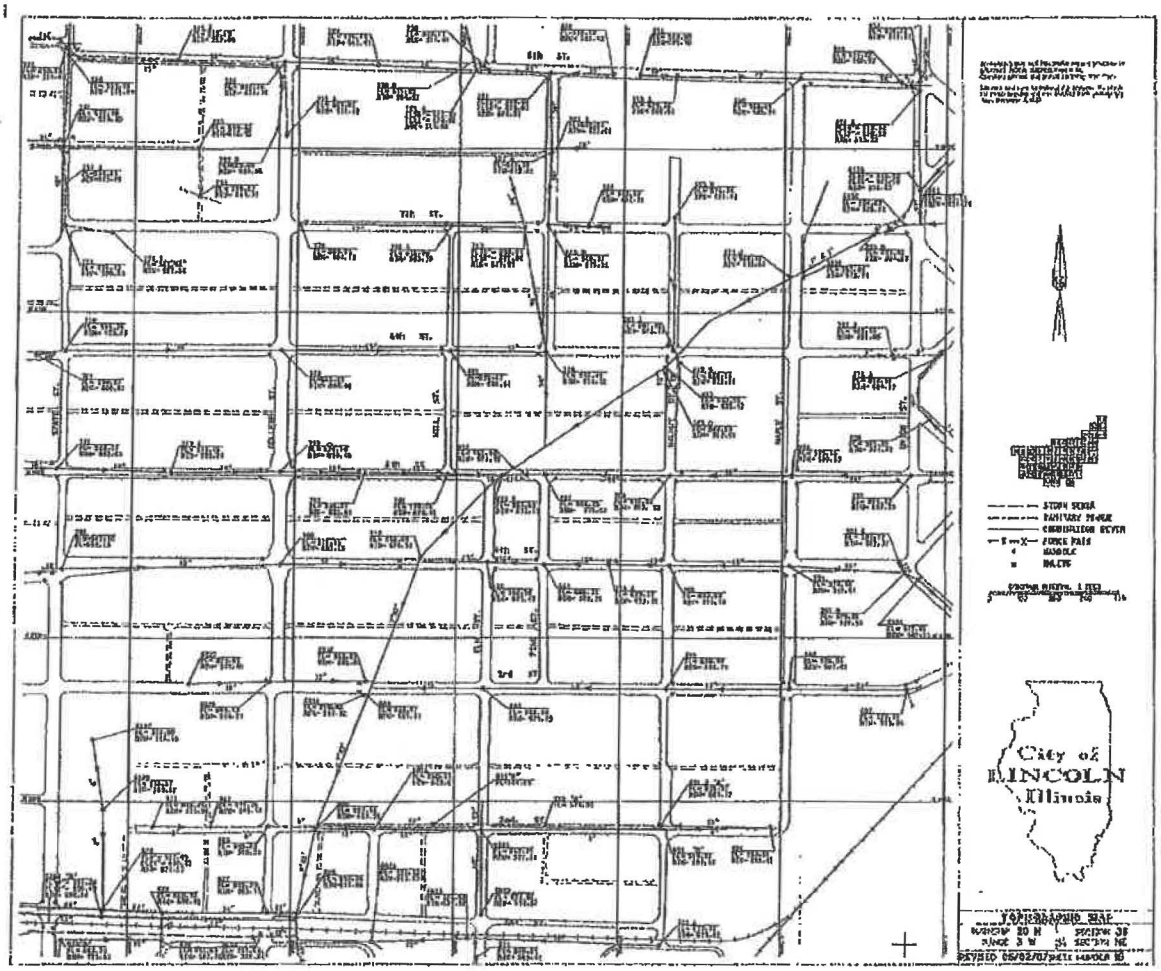

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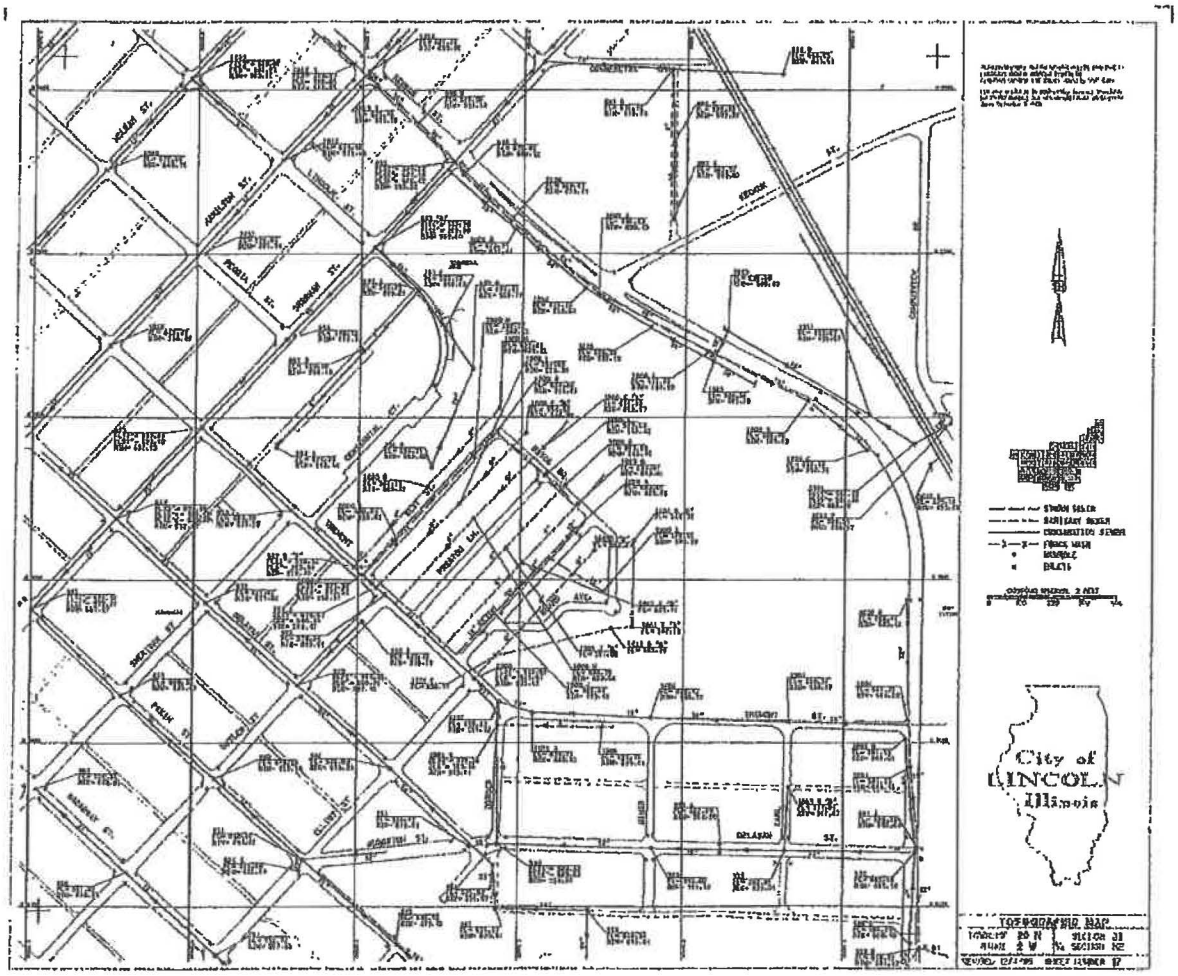

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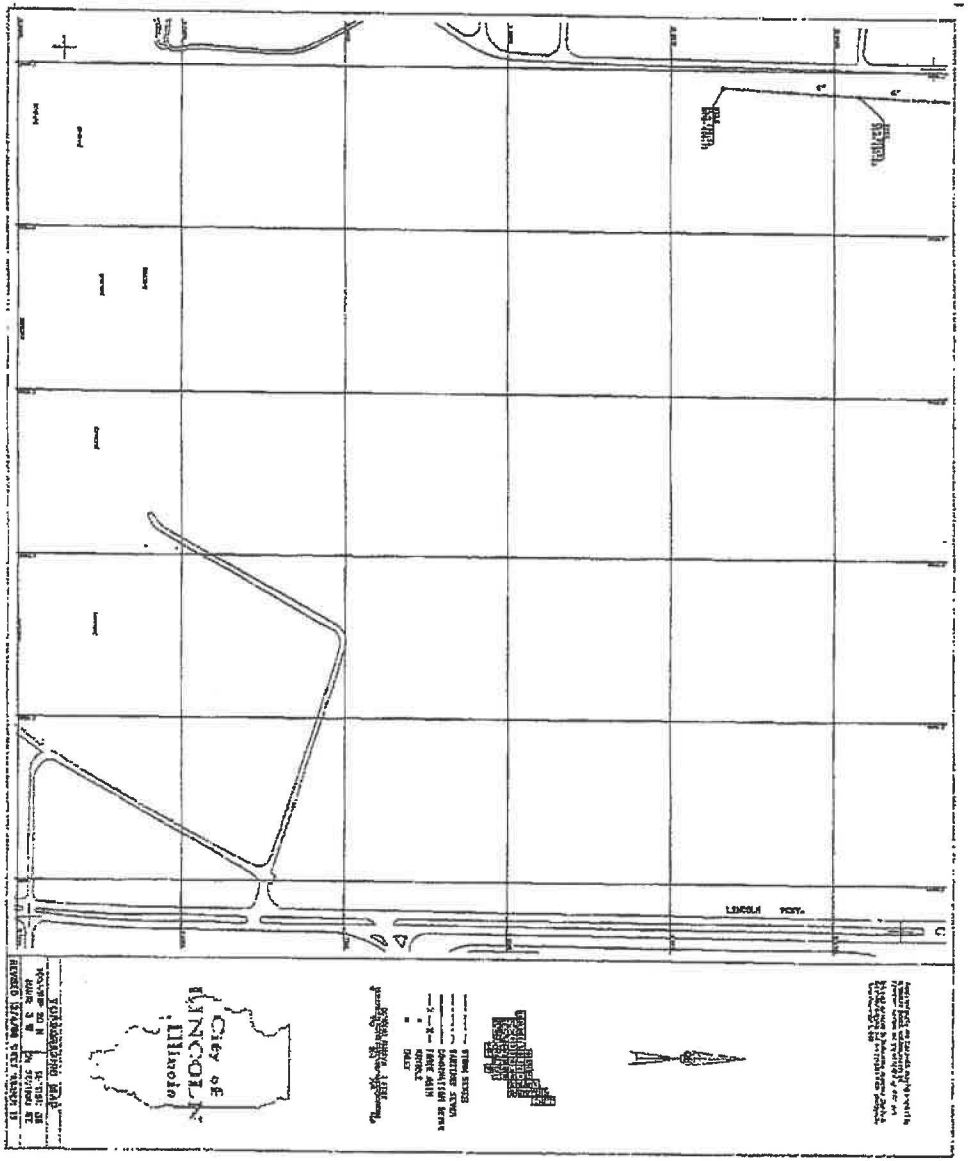

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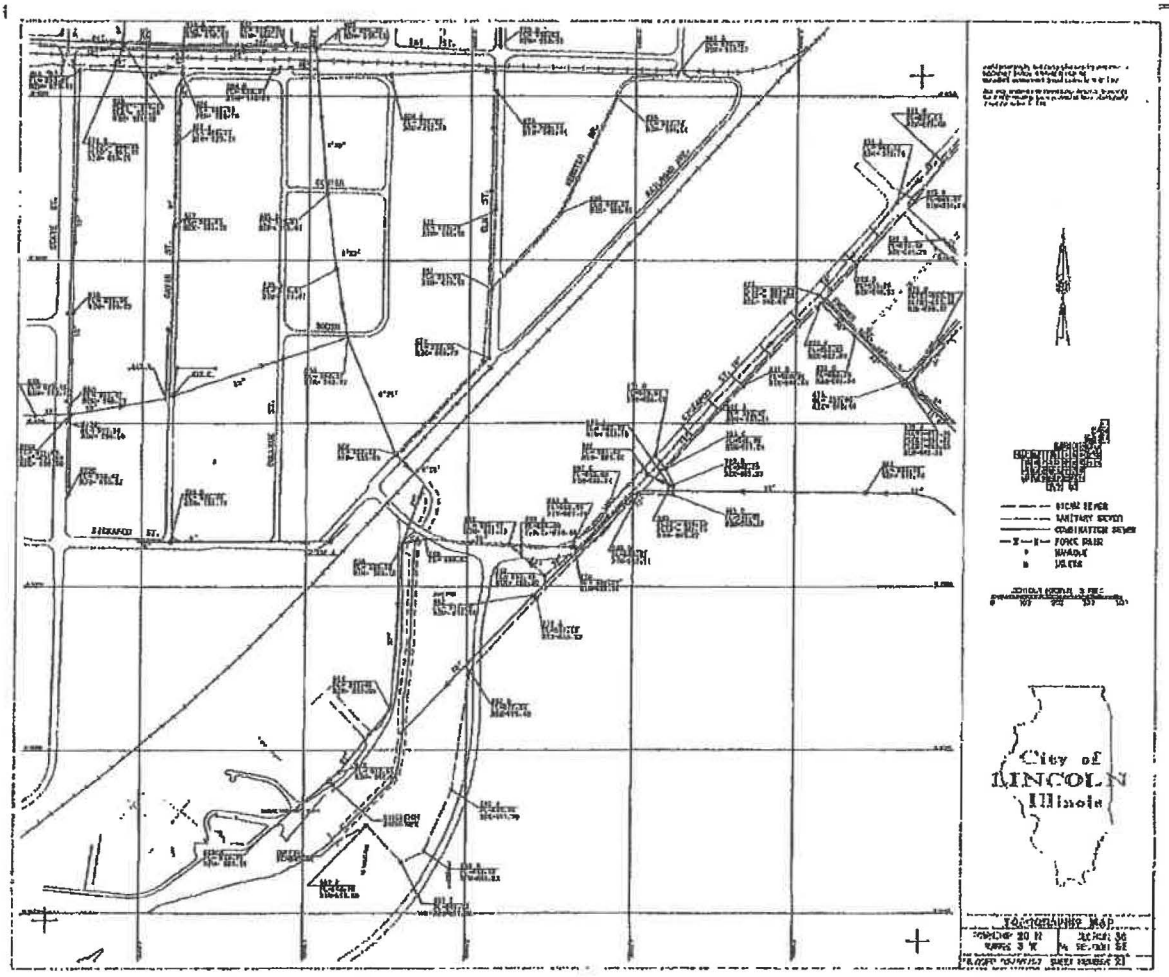

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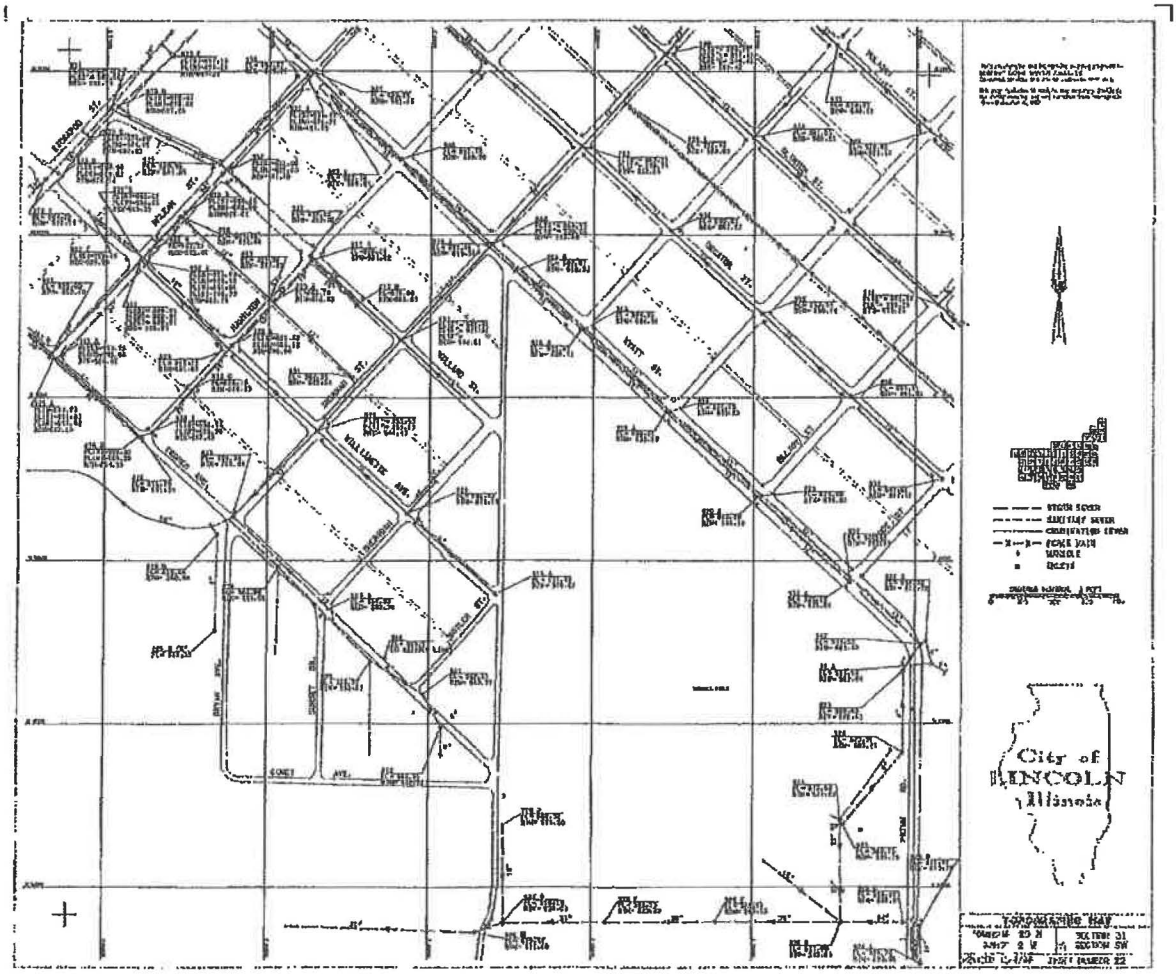

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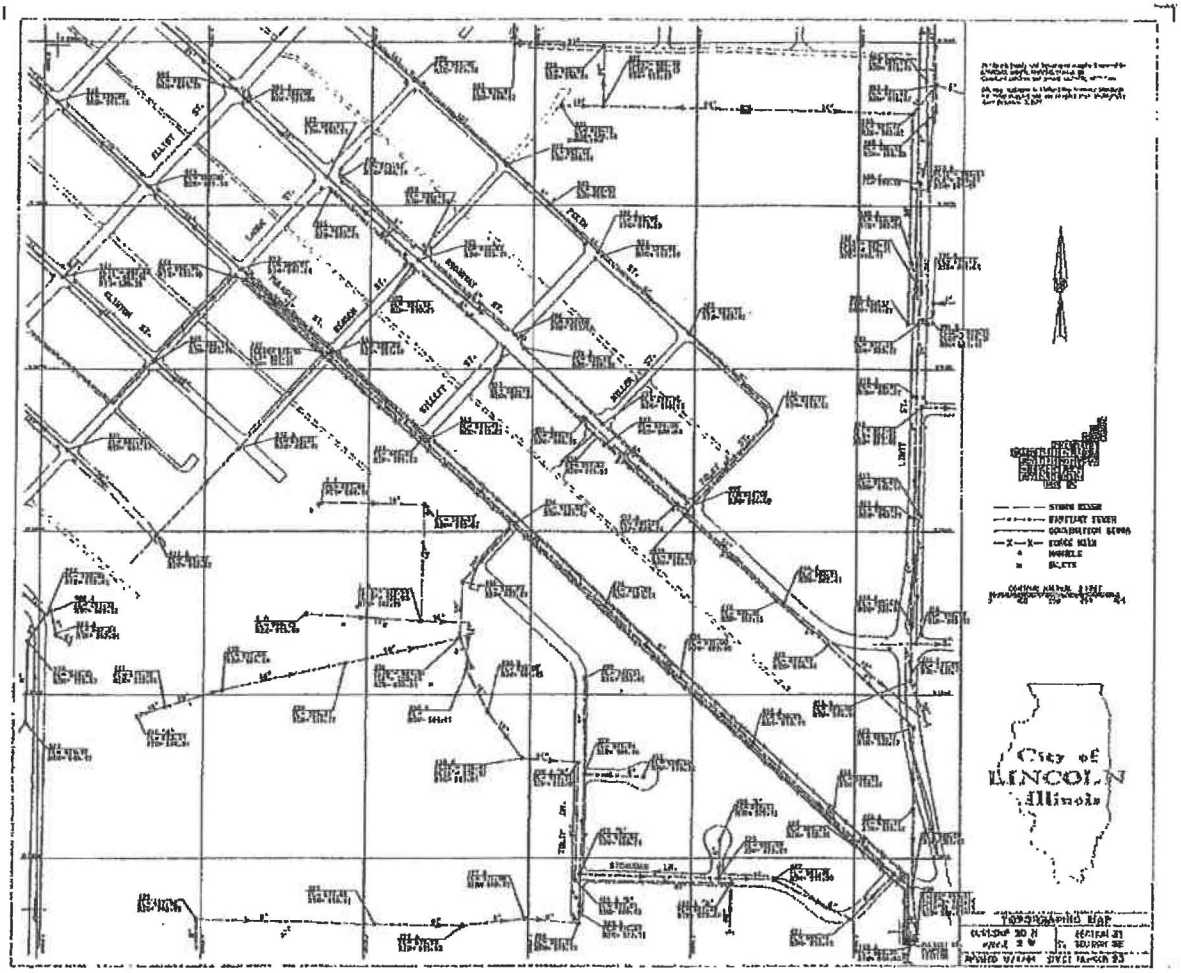

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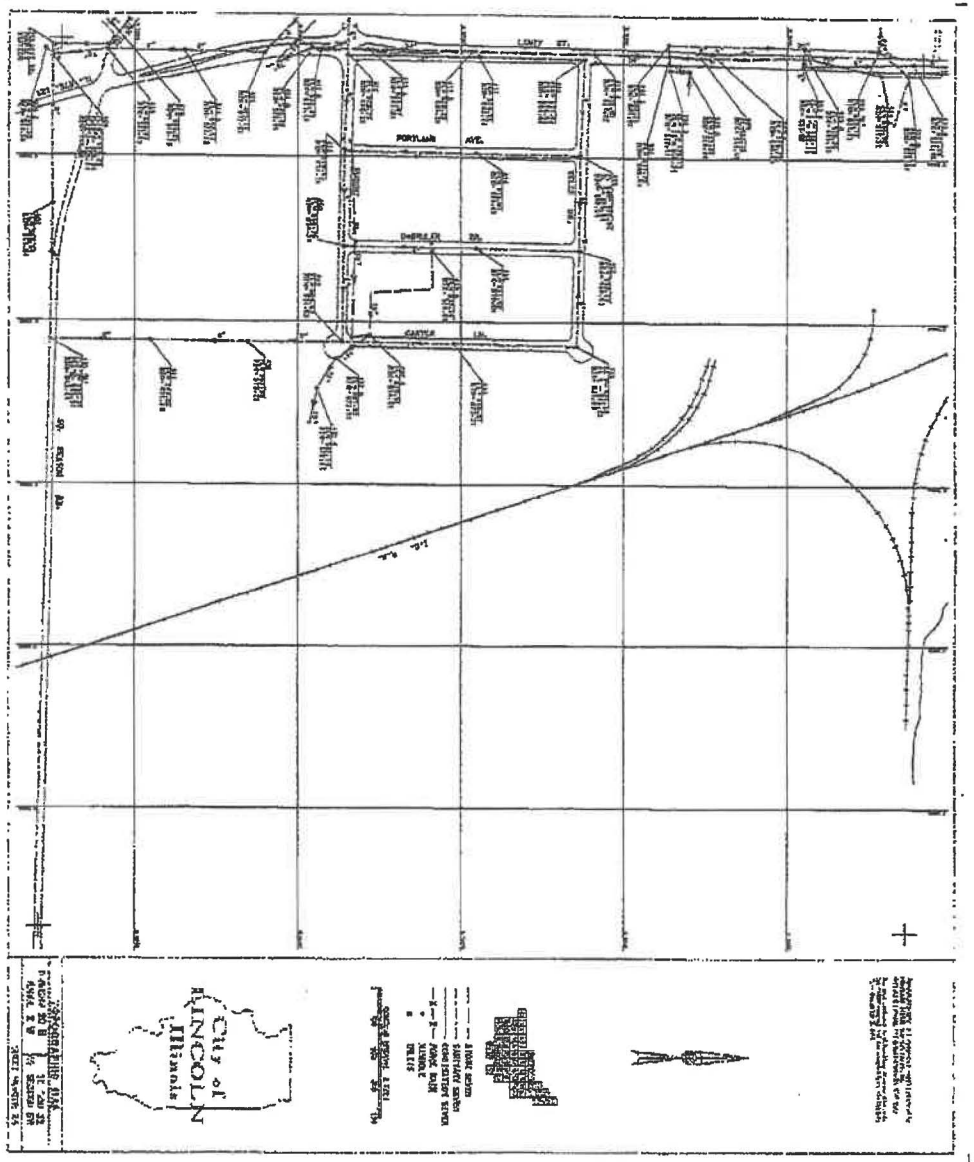

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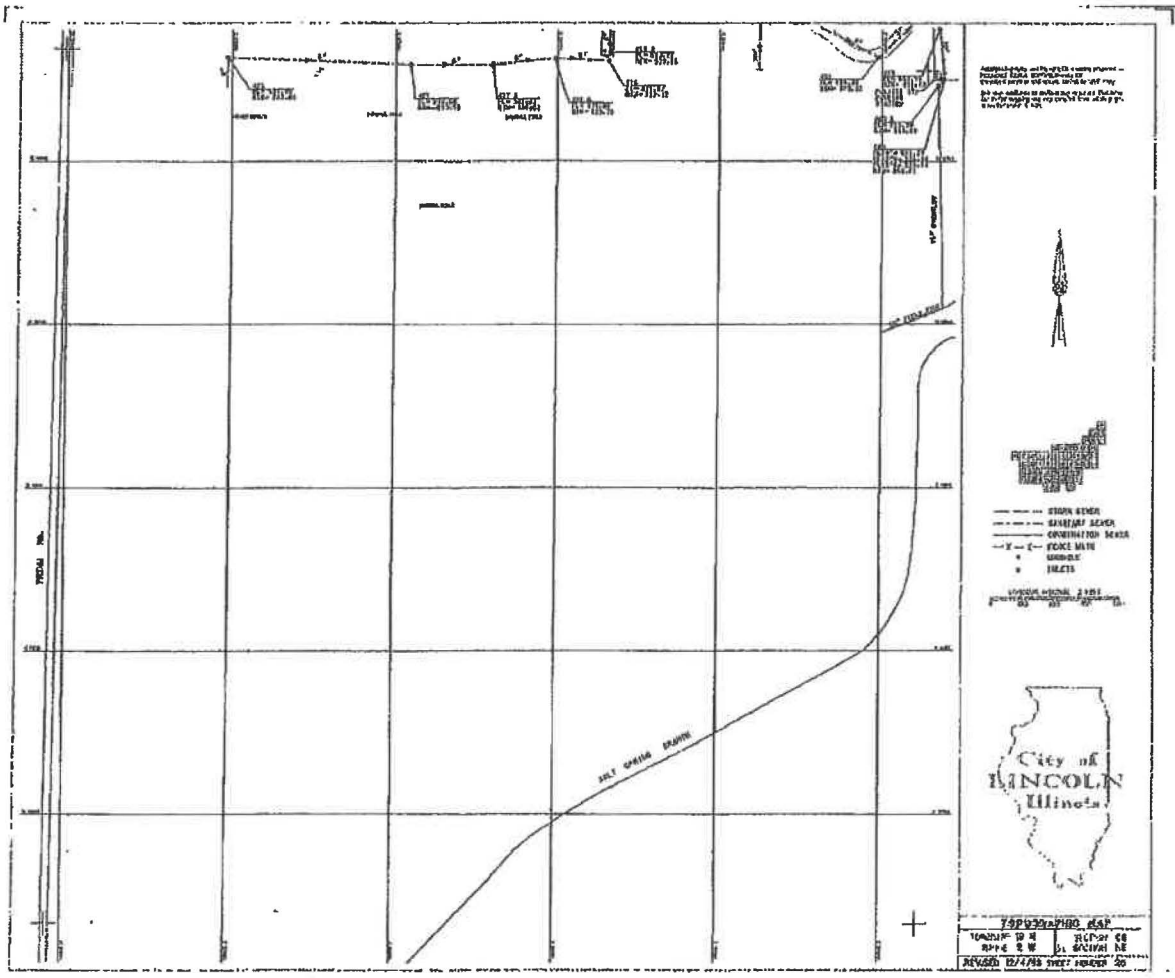

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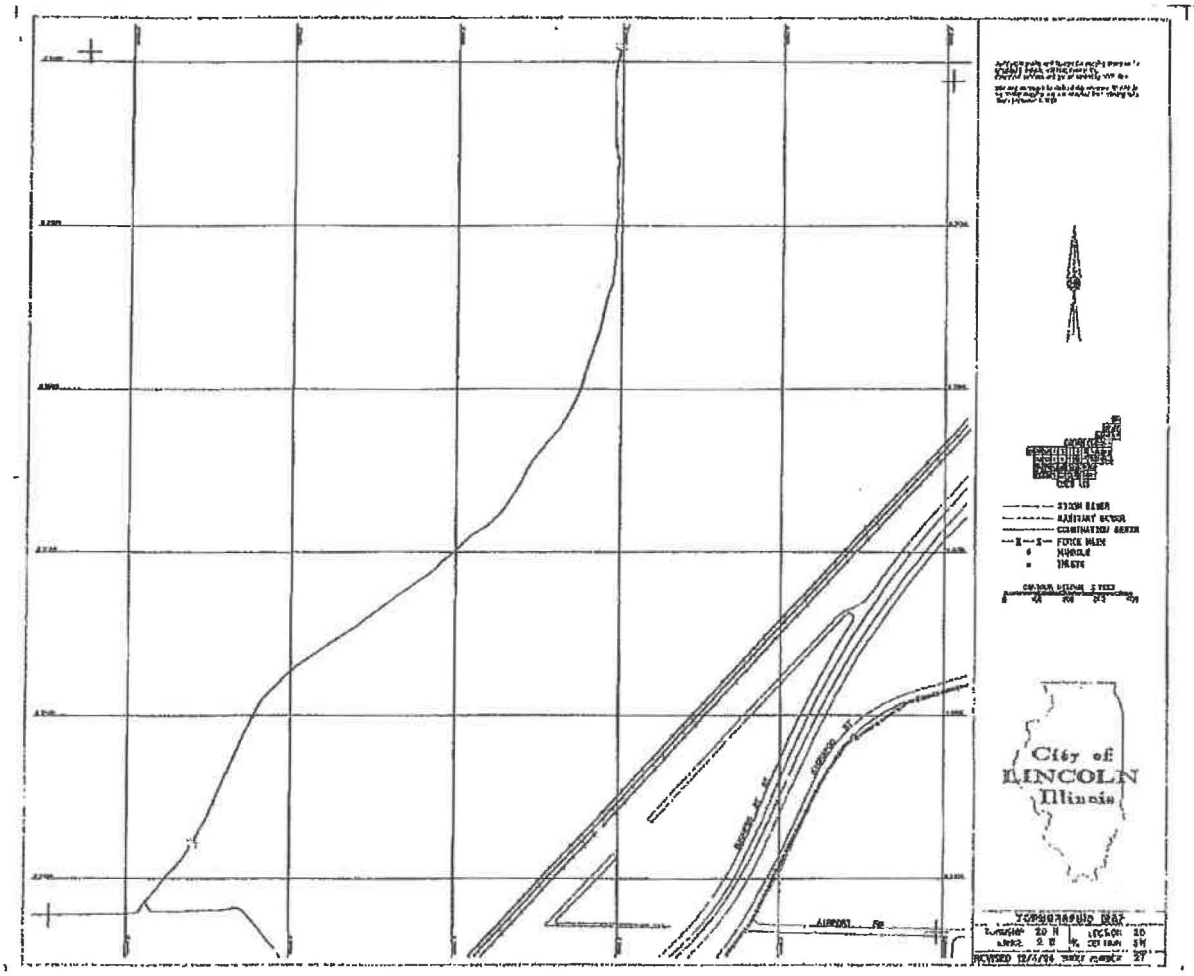

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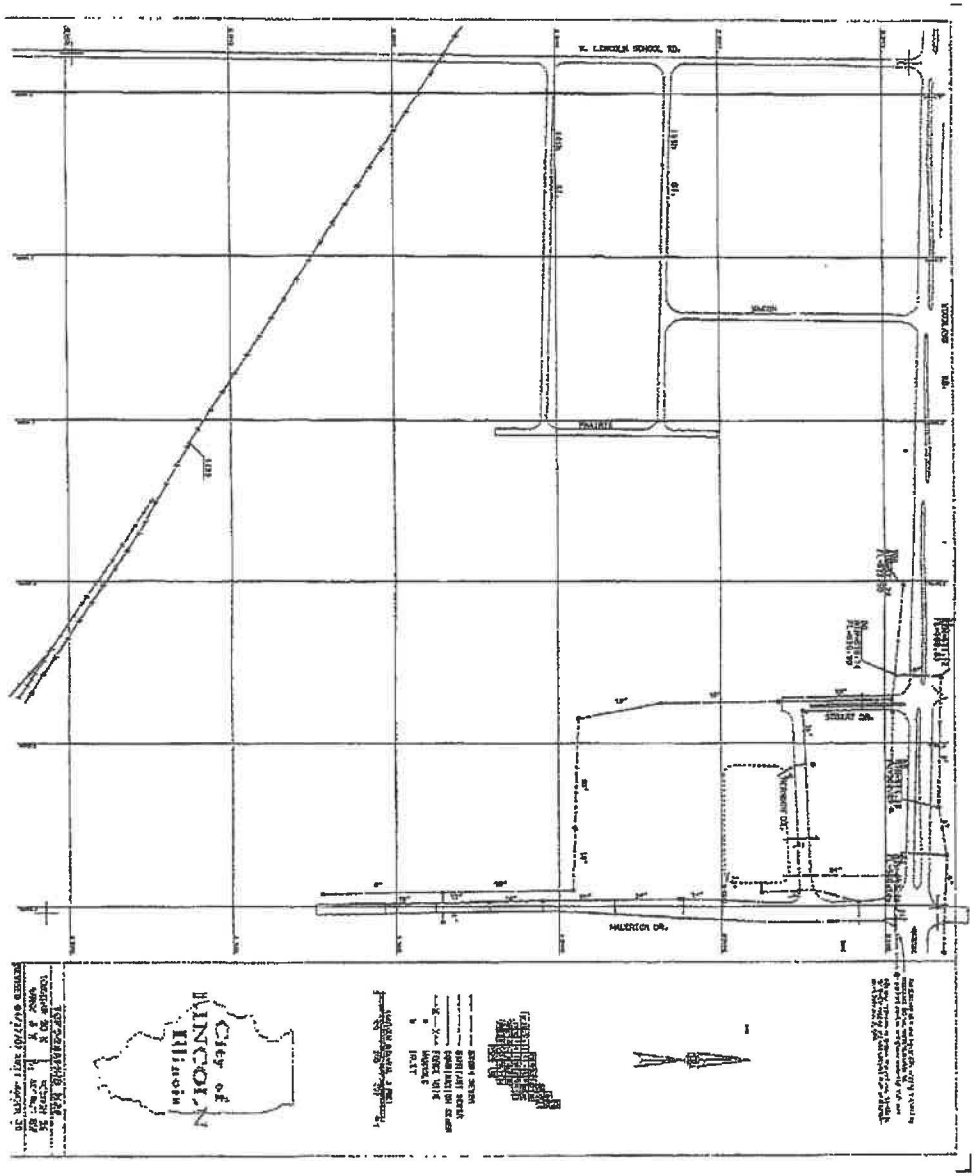

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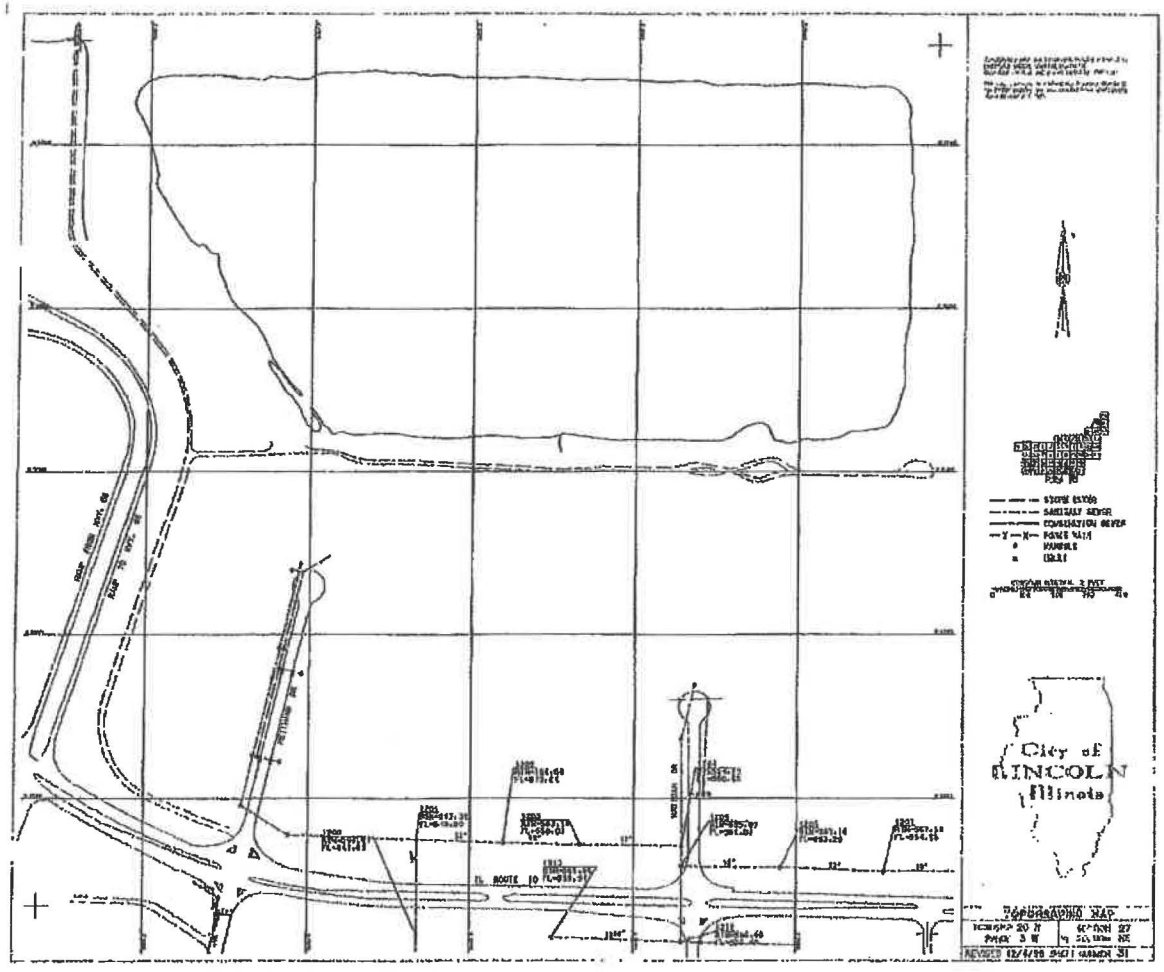

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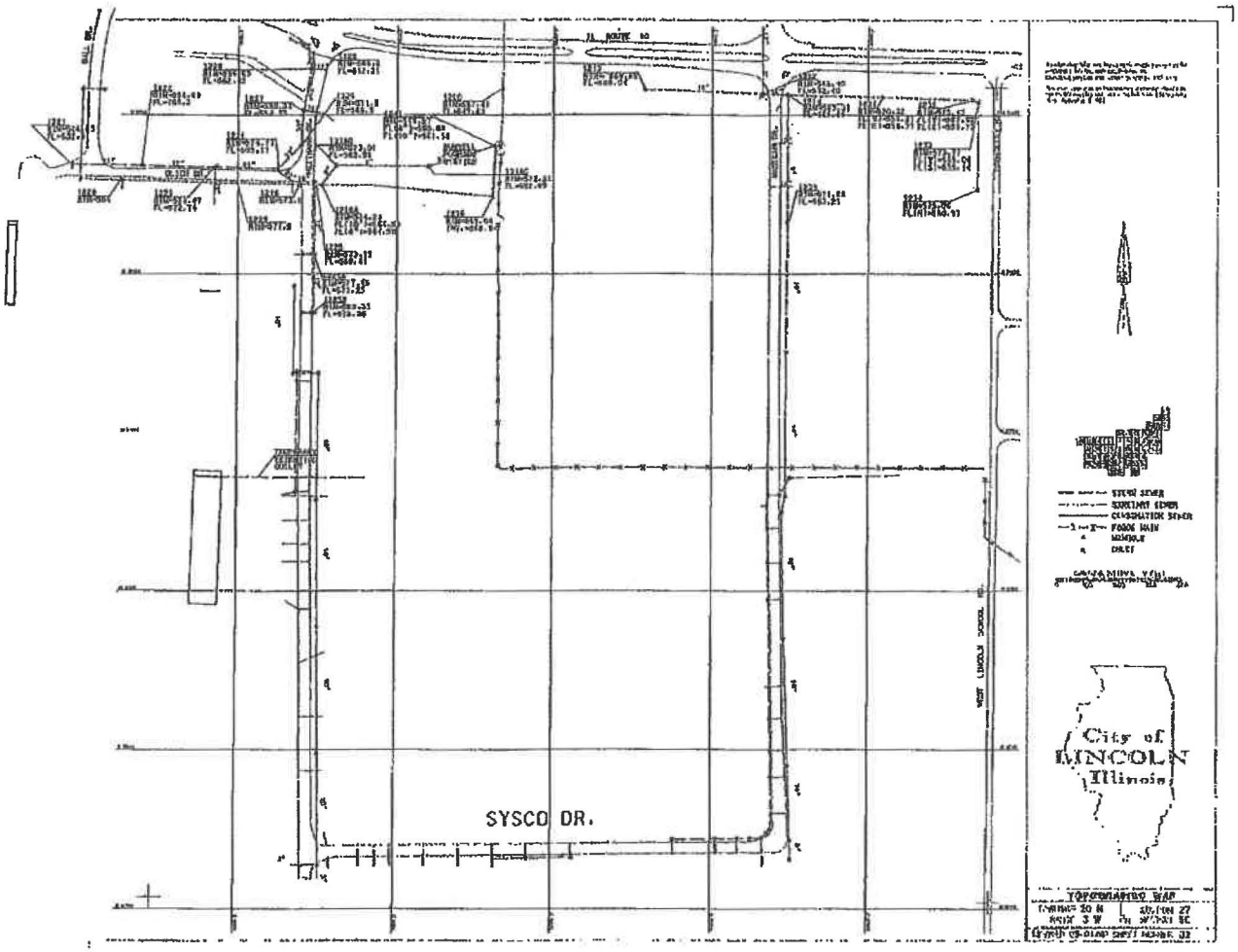

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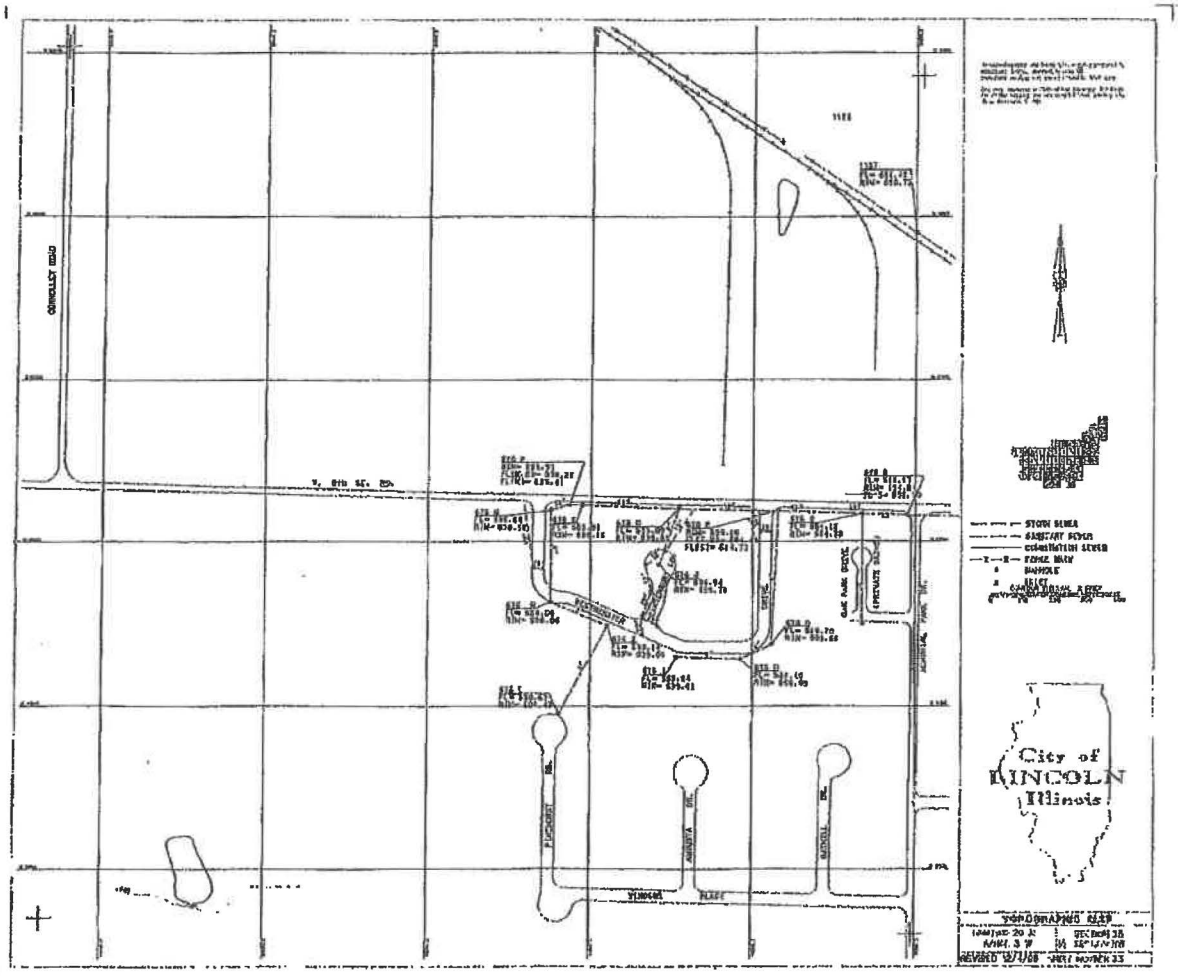

COMBINATION, SANITARY, STORM, FORCE

CITY OF LINCOLN, ILLINOIS

700 Broadway St., P.O. Box 509, Lincoln, IL 62656

Named for and Christened by Abraham Lincoln, 1853—Incorporated February 16, 1865
CITY COUNCIL MEETS FIRST AND THIRD MONDAY NIGHTS EACH MONTH

To: Mayor and Aldermen of the City of Lincoln

From: Andrew Bowns, Wastewater Project Manager

Meeting Date: October 27, 2020

RE: Phosphorus Study - CMT to Complete

Background
The City's wastewater permit issued on October 16, 2019 and made effective on November 1, 2019 has a requirement for completing a system wide phosphorus study.

Analysis/Discussion:
The City's permit has special condition 19; which requires the City to develop a "Phosphorus Discharge Optimization Plan" within 18 months of the effective date of the permit. This plan will identify the heaviest phosphorus contributors to the collections system, and have a plan to reduce the phosphorus entering the system. The plan will include a timeframe outline of when these activities should be able to be completed. It will also develop a plan for reduction of phosphorus discharges from the wastewater treatment facility.

Fiscal Impact:
This will be a time and materials (T&M) agreement with Crawford, Murphy, and Tilly Incorporated, for the development of the phosphorus optimization plan, and as is with any T&M agreement, a total cost for completing this study is not known at this time. $75,000 was included in the wastewater budget under the "50-7400-7856 Sewer Study" line item this fiscal year, for the purposes of completing this study; which I believe will be adequate to cover the cost of the completed study.

COW Recommendation:
Place "2020 Standard Agreement for Professional Services Nutrient Study (002)" on the November 2nd voting session.

Council Recommendation:
Approve "2020 Standard Agreement for Professional Services Nutrient Study (002)" to allow CMT to expense against the "50-7400-7856 Sewer Study" line item.

2020 STANDARD AGREEMENT FOR PROFESSIONAL SERVICES

THIS AGREEMENT made between City of Lincoln, whose address is 700 Broadway Street, hereinafter called the **CLIENT** and Crawford, Murphy & Tilly, Inc., Consulting Engineers, 2750 West Washington Street, Springfield, Illinois 62702, hereinafter called the **ENGINEER.**

WITNESSETH, that whereas the **CLIENT** desires the following described professional engineering, land surveying or architectural services:

Services for assisting with the development of a wastewater treatment facility nutrient reduction plan as required by the NPDES permit. See Exhibit A for Scope of Services.

NOW THEREFORE, the **ENGINEER** agrees to provide the above described services and the **CLIENT** agrees to compensate the **ENGINEER** for these services in the manner checked below:

☒ On a time and expense basis in accordance with the attached Schedule of Hourly Charges which is subject to change at the beginning of each calendar year. Reimbursable direct expenses will be invoiced at cost. Professional or Subconsultant services performed by another firm will be invoiced at cost plus ten percent.

☐ At the lump sum amount of $_____.

IT IS MUTUALLY AGREED THAT, payment for services rendered shall be made monthly in accordance with invoices rendered by the **ENGINEER.**

IT IS FURTHER MUTUALLY AGREED:

The ENGINEER shall provide assistance to the CLIENT as outlined in Exhibit A, Scope of Services. The Scope of Services and associated costs are estimated at $60,000. The Engineer shall not exceed the $60,000 without the expressed written authorization from the CLIENT. The ENGNINEER shall inform the CLIENT on a monthly basis of the progress/status of work and the associated cost. The ENGINEER shall inform the CLIENT in writing, if the $60,000 fee is reached and shall not continue work until the CLIENT authorizes additional fee.

The **CLIENT** and the **ENGINEER** each binds himself, his partners, successors, executors, administrators and assignees to each other party hereto in respect to all the covenants and agreements herein and, except as above, neither the **CLIENT** nor the **ENGINEER** shall assign, sublet or transfer any part of his interest in this **AGREEMENT** without the written consent of the other party hereto. This **AGREEMENT**, and its construction, validity and performance, shall be governed and construed in accordance with the laws of the State of Illinois. This **AGREEMENT** is subject to the General Conditions attached hereto.

IN WITNESS WHEREOF, the parties hereto have affixed their hands and seals this _____ day of _____, 2020.

CLIENT:	**ENGINEER:**
City of Lincoln, Illinois	**CRAWFORD, MURPHY & TILLY, INC.**
(Client Name)	
(Signature)	(Signature)
Tracy Welch - Mayor	**Christina Crites – Vice President**
(Name and Title)	(Name and Title)
Date	Date

CMT Job No. _____

STANDARD GENERAL CONDITIONS
Crawford, Murphy & Tilly, Inc.

1. Standard of Care

In performing its professional services hereunder, the **ENGINEER** will use that degree of care and skill ordinarily exercised, under similar circumstances, by members of its profession practicing in the same or similar locality. No other warranty, express or implied, is made or intended by the **ENGINEER'S** undertaking herein or its performance of services hereunder.

2. Reuse of Document

All documents including Drawings and Specifications prepared by **ENGINEER** pursuant to this Agreement are instruments of service. They are not intended or represented to be suitable for reuse by **CLIENT** or others on extensions of the Project or on any other project. Any reuse without written verification or adaptation by **ENGINEER** for the specific purpose intended will be at **CLIENT'S** sole risk and without liability or legal exposure to **ENGINEER**; and **CLIENT** shall indemnify and hold harmless **ENGINEER** from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom.

3. Termination

This Agreement may be terminated by either party upon seven days prior written notice. In the event of termination, the **ENGINEER** shall be compensated by the client for all services performed up to and including the termination date, including reimbursable expenses, and for the completion of such services and records as are necessary to place the **ENGINEER'S** files in order and/or to protect its professional reputation.

4. Parties to the Agreement

The services to be performed by the **ENGINEER** under this Agreement are intended solely for the benefit of the **CLIENT**. Nothing contained herein shall confer any rights upon or create any duties on the part of the **ENGINEER** toward any person or persons not a party to this Agreement including, but not limited to any contractor, subcontractor, supplier, or the agents, officers, employees, insurers, or sureties of any of them.

5. Construction and Safety

The **ENGINEER** shall not be responsible for the means, methods, procedures, techniques, or sequences of construction, nor for safety on the job site, nor shall the **ENGINEER** be responsible for the contractor's failure to carry out the work in accordance with the contract documents.

6. Payment

Payment for services rendered shall be made monthly in accordance with invoices rendered by the **ENGINEER**. If payment is to be on a lump sum basis, monthly payments will be based on the portion of total services completed during the month. Invoices, or any part thereof, which are not paid within 30 days after the date of issue shall bear interest at the rate of 1-1/2% for each month or fraction thereof from the date 30 days after issue to time of payment. **CLIENT** will pay on demand all collection costs, legal expenses and attorneys' fees incurred or paid by **ENGINEER** in collecting payment, including interest, for services rendered.

7. Indemnification for Release of Pollutants

If this project does not involve pollutants, this provision will not apply. This provision may not be deleted if the project involves pollutants.

If, due to the nature of the service covered under this Agreement including the potential for damages arising out of the release of pollutants, **CLIENT** agrees that in the event of one or more suits or judgments against **ENGINEER** in favor of any person or persons, or any entity, for death or bodily injury or loss of or damage to property or for any other claimed injury or damages arising from services performed by **ENGINEER**, **CLIENT** will indemnify and hold harmless **ENGINEER** from and against liability to **CLIENT** or to any other persons or entities irrespective of Engineer's compensation and without limitation. It is understood that the total aggregate liability of **ENGINEER** arising from services performed by **ENGINEER** shall in no event exceed $50,000 or the total compensation received under this agreement whichever is greater, irrespective of the number of or amount of such claims, suits, or judgments.

8. Risk Allocation ☐ Check box if this does not apply

The total liability, in the aggregate, of the **ENGINEER** and **ENGINEER'S** officers, directors, employees, agents and consultants, and any of them, to **CLIENT** and anyone claiming by, through or under **CLIENT**, for any and all injuries, claims, losses, expenses or damages arising out of the **ENGINEER'S** services, the project or this agreement, including but not limited to the negligence, errors, omissions, strict liability or breach of contract of **ENGINEER** or **ENGINEER'S** officers, directors, employees, agents or consultants, or any of them, shall not exceed the total compensation received by **ENGINEER** under this agreement, or the total amount of $50,000, whichever is greater.

9. Project Schedule and Scope

Based on the schedule objectives provided by **CLIENT, ENGINEER** will develop a schedule of important milestones as necessary for the project for **CLIENT'S** review and approval. **ENGINEER** will monitor performance of services for conformance with the schedule and will notify **CLIENT** of any necessary changes to or deviations from the schedule. Where required by approved project schedule, **ENGINEER** will present the required deliverables and complete the required tasks at the appropriate intervals for **CLIENT'S** review and approval prior to payment.

CRAWFORD, MURPHY & TILLY, INC.
STANDARD SCHEDULE OF HOURLY CHARGES
JANUARY 1, 2020

Classification	Regular Rate
Principal	$ 230
Project Engineer II Project Architect II Project Manager II Project Environmental Specialist II	$ 220
Project Engineer I Project Architect I Project Manager I Project Environmental Specialist I Project Structural Engineer I	$ 190
Sr. Structural Engineer II	$ 175
Sr. Technician II	$ 160
Aerial Mapping Specialist	$ 155
Sr. Engineer I Sr. Architect I Sr. Structural Engineer I Land Surveyor	$ 150
Technical Manager II Environmental Specialist III	$ 140
Sr. Technician I	$ 135
Sr. Planner I GIS Specialist Engineer I Architect I Structural Engineer I	$ 130
Environmental Specialist II Technician II	$ 115
Planner I Technical Manager I Environmental Specialist I Technician I Project Administrative Assistant	$ 95
Administrative/Accounting Assistant	$ 60

If the completion of services on the project assignment requires work to be performed on an overtime basis, labor charges above are subject to a 15% premium. These rates are subject to change upon reasonable and proper notice. In any event this schedule will be superseded by a new schedule effective January 1, 2021.

Out of pocket direct costs will be added at actual cost for blueprints, supplies, transportation and subsistence and other miscellaneous job-related expenses directly attributable to the performance of services. A usage charge may be made when specialized equipment is used directly on the project.

Subconsultant services furnished to CMT by another company will be invoiced at actual cost, plus ten percent.

EXHIBIT A

SCOPE OF SERVICES

WWTP NUTRIENT REDUCTION

1. COLLECT AND ASSES EXISTING PLANT INFORMATION

- Plant Influent Flow & Load Data
- Plant Effluent Flow & Load Data
- Plant Operations Control Data
- Plant Design Plans
- Previous Studies, Evaluations, Conditions, Assessments, Etc.
- Determine if additional information is required and discuss with the **CLIENT**
- Kick off meeting with the **CLIENT**

2. CONDUCT PLANT WALK-THRU WITH FACILITY OPERATIONS STAFF
3. IDENTIFY ADDITIONAL SAMPLING AND TESTING (IF REQUIRED)
4. PHOSPHORUS DISCHARGE OPTIMIZATION PLAN

The **ENGINEER** will assist the **CLIENT** in developing the Optimization Plan identified in the latest Lincoln NPDES Permit No. IL0029564 (SPECIAL CONDITION 19). The Optimization Plan will consider three areas for optimization: (A) Source Reduction (B) Existing Operational Improvements and (C) Minor Facility Modifications.

A. Source Reduction

- Assist the **CLIENT** with evaluating the phosphorus reduction potential of users.
- Assist the **CLIENT** with establishing a strategic sampling, testing and data analysis of users.
- Assist in determining which sources have the greatest opportunity for reducing phosphorus (ie. Industrial, commercial, institutional).
- Assist with evaluation of user source reduction and where this potential exists, assist with implementing local limits.
- Meet with the **CLIENT** for review.

B. Existing Operational Improvements

- Assist with evaluating Solids Retention Time (SRT) for:
    i. Nitrification
    ii. Denitrification
    iii. Biological Phosphorus Removal
- Assist with the evaluation of adjusting aeration rates (D.O. operating set points) to promote simultaneous nitrification-denitrification
- Assist in evaluating existing recycle stream impacts on the treatment process and possible modifications where negative impacts are identified.
- Meet with the **CLIENT** for review.

C. Minor Facility Modifications

- Assist in evaluating potential baffle additions to create anaerobic, anoxic, aerobic zones within the existing aeration tanks.
- Assist in evaluating control modification for auto ON-OFF operation of aeration and mixing.
- Assist in evaluating reconfiguration of flow through existing aeration basins.
- Assist in evaluating process waste stream characteristics for appropriate balance of constituents for BPR operation (re: volatile fatty acids, etc.)

- Meet with the **CLIENT** for review.

5. PHOSPHORUS REDUCTION FEASIBILITY STUDY

The **ENGINEER** will assist the **CLIENT** in developing feasible options for meeting potential future phosphorus limits of 0.5mg/L and 0.1mg/L as identified in the latest Lincoln NPDES Permit No. IL0029564 (SPECIAL CONDITION 20).

- Assist in evaluating chemical precipitation process
- Evaluate existing WWTF Configurations
  - Develop an evaluation matrix for selecting the process configuration for each of the limits.
  - Meet with the **CLIENT** to review
  - Develop process flow diagrams for selected configuration.
  - Conceptually design each process configuration into the existing plant layout where possible.
  - Conduct process simulation of the selected processes for the limits noted.
  - Develop aa preliminary hydraulic profile for each selected configuration.
  - Develop preliminary concept designs of system components for each selected process configuration.
  - Develop preliminary capital costs and operation and maintenance costs for each selected process configuration.
    - Develop concept level preliminary capital costs
    - Develop concept level operational costs
    - Develop concept level maintenance costs
    - Evaluate the impact of limits applied on:
      - Monthly average basis
      - Seasonal average basis
      - Annual average basis
    - Meet with the **CLIENT** for review.

6. PREPARE A FINDINGS REPORT ON THE PHOSPHORUS REDUCTION FEASIBILITY STUDY AND THE PHOSPHORUS DISCHARGE OPTIMIZATION PLAN

- Develop draft report and meet with the **CLIENT** for review.
- Finalize findings report.
- Assist **CLIENT** with IEPA submittal.

REQUEST TO PERMIT

CITY CLERK
LINCOLN, ILLINOIS
OCT 22 2020
RECEIVED

DATE: 10/22/2020

We, the undersigned of the City of Lincoln, do hereby respectfully request the Mayor and City Council to permit

Carriage rides on the square on Nov 27th, Dec 11th, and Dec 18th from 6pm-9pm each of these nights.

If the above request is for use of City property, including streets and/ or alleys, please check one of the two boxes below:

[ ] A Certificate of Insurance Liability for the event is attached.

[X] A Certificate of Insurance Liability for the event will be provided to the City no later than 11/24/2020

If City property is used, a Certificate of Insurance Liability is required listing the City as an additional insured. The City reserves the right to postpone review and consideration of this Request to Permit until a Certificate of Insurance Liability is provided.

Name: Red Gate Farm

Address: 15276 New Salem Bluff Rd, Petersburg, IL 62675

Phone: 217-501-4234 Cell:

Email: Manager@redgatefarmllc.com

CITY CLERK
LINCOLN, ILLINOIS

OCT 0 9 2020

RECEIVED

UNION PACIFIC RAILROAD COMPANY

DATE ISSUED	9/18/2020
DUE DATE	10/18/2020
BILL NUMBER	90100255
CONTRACT NUMBER	WO51591
CUSTOMER NUMBER	97237
CUST REFERENCE	
BILL PREPARER	443361
CLS: 13-ALL OTHER	

CITY OF LINCOLN
700 BROADWAY ST
LINCOLN, IL 62656

PAYMENTS TO: UNION PACIFIC RAILROAD COMPANY
12567 COLLECTIONS CENTER DRIVE
CHICAGO, IL 60693

CORRESPONDENCE TO: EMAIL - MARSCUSTOMERS@UP.COM
UNION PACIFIC RAILROAD TAX ID NUMBER - 94-6001323

DESCRIPTION

PROJ # 05S2092; ATTN: ELIZBETH KAVELMAN; 291189M 5TH ST MP 63.55 HAVANA SPUR SUB LINCOLN IL PRELIMINARY ENGINEERING SURFACE

REFERENCE NO:

AMOUNT: $230.59

PLEASE DETACH AT THIS LINE AND RETURN THIS PORTION WITH CHECK PAYABLE TO:

UNION PACIFIC RAILROAD COMPANY
12567 COLLECTIONS CENTER DRIVE
CHICAGO, IL 60693

DATE ISSUED	9/18/2020
DUE DATE	10/18/2020
BILL NUMBER	90100255
BILL AMOUNT	$230.59
CONTRACT NUMBER	WO51591
CUSTOMER NUMBER	97237
CLS: 13-ALL OTHER	

COMPLETE THIS PORTION FOR CHANGE OF NAME/ADDRESS:

NAME

STREET

CITY STATE ZIP

UNION PACIFIC RAILROAD COMPANY

BILL NUMBER	90100255

RECAP OF CHARGES

SUMMARY OF DESCRIPTION:		JOB TOTAL AMOUNT	JOB APPORTIONMENT	JOB AMOUNT DUE
JOINT FACILITY OR WORK ORDER 51591				
JOB NO. 001	JOB 001 PRELIMINARY ENGINEERING	$230.59	100.00%	$230.59

BILL COST	$230.59
APPORTIONMENT	100.00%
AMOUNT DUE (TO COVER PAGE)	$230.59

UNION PACIFIC RAILROAD COMPANY

BILL NUMBER	90100255

WO 51591 JOB NO 001 PERIOD 08-2020

LABOR MOFW AGREEMENT ALL

DATE	GANG	DESCRIPTION	CLASS	HOURS	RATE	AMOUNT
08/20	8379	TRACK-INSP, PATROLANDSURVY	001	2.00	$46.34000	$92.68
		LABOR SUB TOTAL				$92.68
		EQUIPMENT ALL OTHER			66.08%	$61.24
		FEDERAL HIGHWY LABOR			66.72%	$61.84
		FORCE ACCT INS			16.00%	$14.83
		ADDITIVE SUB TOTAL				$137.91
		LABOR MOFW AGREEMENT ALL TOTAL				$230.59

GANG LABOR SUMMARY

CONTRACT WO51591
FOR THE PERIOD 202008-202008

291189M 5TH STREET MP 63.55 HAVANA SPUR

WORK ORD	JOB NBR	ACTG YRMO	JT FAC CODE	GANG NBR	PAY PER	WORK DATE	TIME CLAS	WORK HOURS	WORK DESCRIPTION	SEGM NBR	BGNG MP	ENDG MP
51591	001	202008	99999	8379	2	8/19/2020	001	2.00	17001 INSPECT, PATROL & SU	2907	63.55	63.55
							Subtotal:	**2.00**	**202008 Job 001 Gang 8379**			
				WORK ORDER TOTAL:				2.00				

GANG MEMBER LABOR DETAIL

CONTRACT WO51591
FOR THE PERIOD 202008-202008

291189M 5TH STREET MP 63.55 HAVANA SPUR

WORK ORD	ACTG YRMO	GANG NBR	CCTR	PAY PER	WORK DATE	TIME CLAS	EMPLOYEE NAME	POS NBR TITLE	PAY HOURS	GANG SPLIT	WORK ORD HOURS
51591	202008	8379	EG219	2	8/19/2020	001	ELLISON RICHARD	542 - PROJ CORR 1	8.00		
									8/19/2020 001:	25 %	2.00
										Gang 8379 Subtotal:	2.00
										WORK ORDER TOTAL:	**2.00**

PER DIEM RATE CALCULATION

CONTRACT WO51591

FOR THE PERIOD 202008-202008

291189M 5TH STREET MP 63.55 HAVANA SPUR

WORK ORD	GANG NBR	ACTG YRMO	PAY PER	EMPLOYEE	MEALS	ROOM	TRAVEL	LIVING	*TOTAL PER DIEM	PAY HOURS	PER DIEM RATE
51591	8379	202008	2	ELLISON RICHARD	$0.00	$0.00	$0.00	$0.00	$0.00	88.00	
							Gang 8379 Pay Per 2:		$0.00	88.00	$0.00

*Agreement employees receive a daily perdiem required by their union agreement to cover meals, lodging, travel, and/or general living expenses. For each gang pay period, a rate is established by totaling all perdiem and work hours for all gang members. The rate is multiplied by the number of gang hours reported to the work order during the pay period.