City of DeKalb

opportunity · innovation

IL0370100

Project Plan

Lead Service Line Replacement

April 2025

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INTRODUCTION

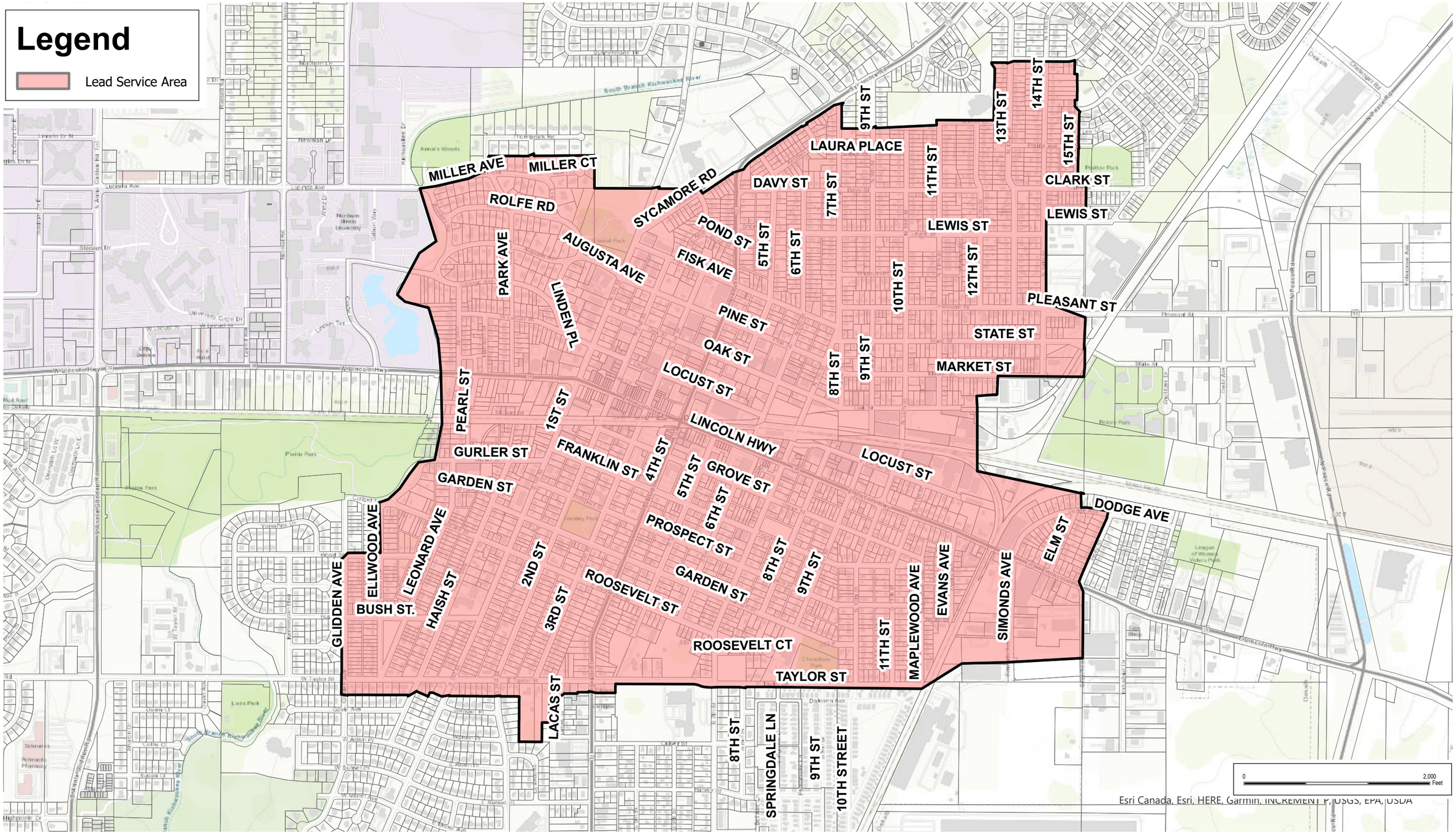
The City of DeKalb is currently inventorying water service line materials within their water system. Of the total 10,759 service lines reported, the City has an estimated 260 lead service lines (LSLs). The suspected lead services area limits based on the City inventory is shown on ***Exhibit A: Project Limits and Exhibit D, located at the end of this document***. The City has has encountered LSLs outside of the project limits.

The City is in the process of confirming the scope of their annual LSL replacement program. For Year 1&2 , it is the City's intent to replace approximately 260 LSLs. While the exact scope, quantity, and location of each subsequent year's LSL replacements is known, the City will target all areas and any high priority locations (day cares, nursing homes, etc.) first, if present. The City is currently discussing the development for the project moving forward.

The City has acquired 3.1 million funding through the IEPA's State Revolving Fund (SRF) program for the replacement of both public and private side lead services over the course of the next 2 years for this Project Plan. Since securing the avaiable funding through the SRF program, the City can offer property owners a no-cost option for replacing lead service lines for all users. Contractor(s) will be secured through a Request for Bid (RFB), which will include measures to encourage diversity, equity and inclusion (DEI) in the workforce. Furthermore, the City of DeKalb shall ensure all contracts adhere to subsection (n) of 414 ILCS 5/17.12. If funding is secured, it is estimated that the City will be able to replace all lead service lines within a 2-year period.

Residents whose lead service lines are scheduled to be replaced, are contacted in advance, so that work may be coordinated and permission granted to allow access to the property. In addition, residents are given Notification handouts as described in Exhibit B, Exhibit C (included at the end of this Project Plan).

Exhibit A



Engineering Enterprises, Inc.
52 Wheeler Road
Sugar Grove, Illinois 60554
(630) 466-6700
www.eeiweb.com

CITY OF DEKALB
200 S 4th St.
DeKalb, IL 60115
(815) 748-2000

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DATE:	AUGUST 2023
BY:	MJT
CHK:	KMM
PATH:	DK2202
FILE:	DK2202_Exhibit A Lead Serivce

LSLR PROJECT PLAN
CITY OF DEKALB,IL

EXHIBIT A
OVERALL PROJECT LIMITS

NORTH

Item 1: Loan applicant's, total population served by the applicant, customer base, and project location information.

1.1 Location and Land Use

The City of DeKalb is located in central DeKalb County approximately 60 miles west of downtown Chicago. Land use within the existing City limits includes a mixture of residential, business, and industrial districts (***Exhibit B: City Zoning Map***).

1.2 Population and Customer Base

The City of DeKalb currently distributes potable water to consumers within the limit of the City. The projection population for the City of DeKalb is presented in ***Table 1: Projected Population***.

At the time of the 2020 census, the City of DeKalb had a population of 40,290. The population projection for the City is approximately 53,991 for year 2050 based on an estimated 5% increase per 5-year projection.

Currently the City has approximately 10,962 water system accounts including 10,023 residential and 939 commercial accounts. It is anticipated the population that will benefit the most from this project will be the residential owners, as residential districts comprise the largest portion of the project area. The exact location and type of consumer benefiting from a lead service line replacement will be determined on an annual basis.

The table below summarizes the current Water Service Line Inventory for the City of DeKalb as March 5, 2024:

Service Line Material	City Side	Percent	Private Side	Percent	Number of Confirmed Lead or GGR Lines
Lead	245	2.28%	115	1.07%	260
Galvanized Requiring Replacement	0	0.00%	42	0.39%	
Copper	10,347	96.17%	10,373	96.41%	
Unknown	5	0.05%	0	0.00%	
Ductile Iron Pipe	70	0.65%	63	0.59%	
Cast Iron Pipe	87	0.81%	85	0.79%	
Galvanized Not Requiring Replacement	4	0.04%	62	0.58%	
PVC	1	0.01%	19	0.18%	
Totals	10,759		10,759		260

Total Lead Service Lines Replaced Since 2024 = 80

Table No. 1: Projected Population

City of DeKalb, DeKalb County, IL

Year	Total Household Population	Annual % Increase
2010	43,862	-
2015	43,483	-0.2%
2020	40,290	-1.5%
2025	42,304	1.0%
2030	44,419	1.0%
2035	46,640	1.0%
2040	48,972	1.0%
2045	51,420	1.0%
2050	53,991	1.0%

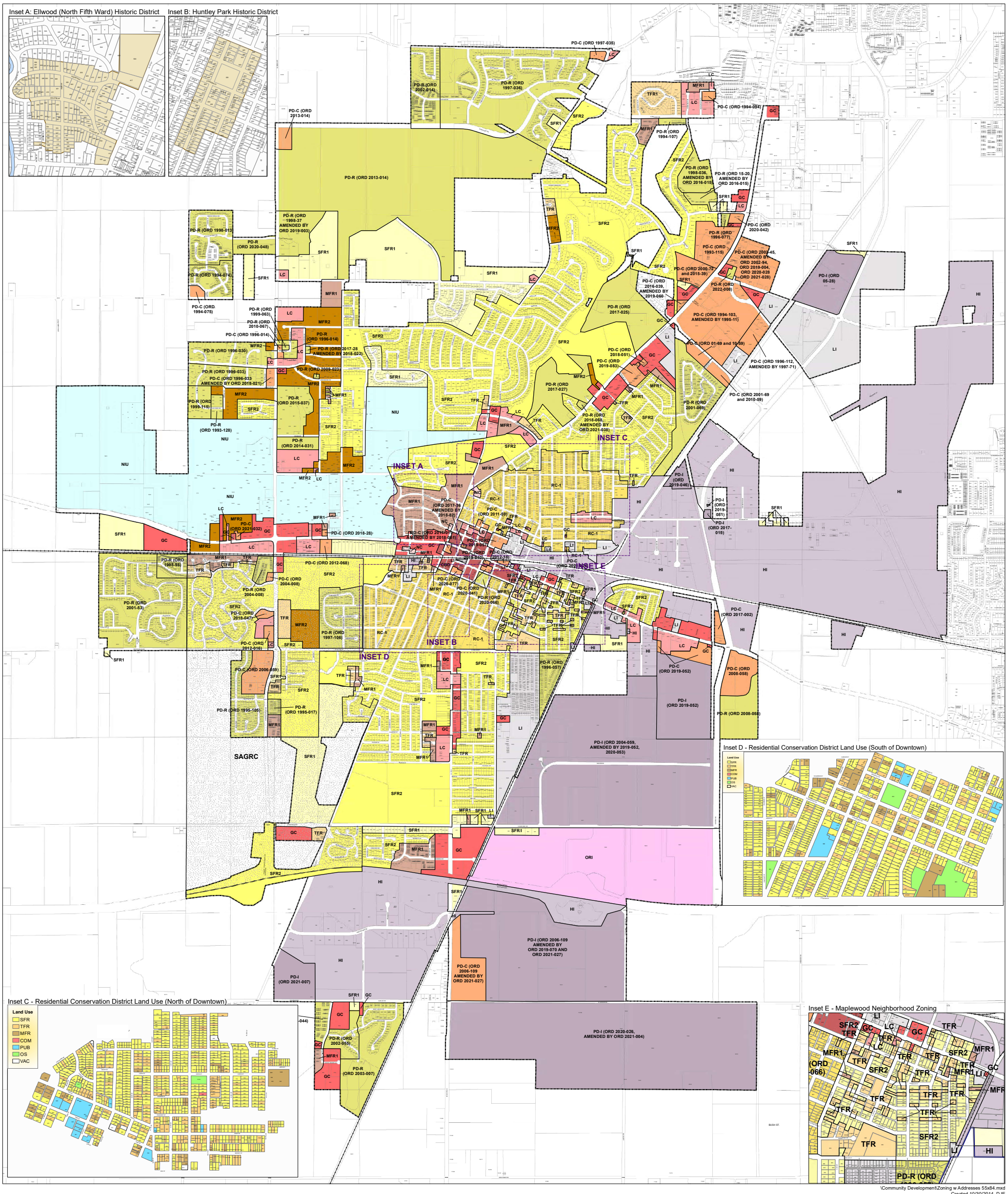
Notes:

[1]Residential population projections based on a 5% increase per 5-year projection

Official Zoning Map

Inset A: Ellwood (North Fifth Ward) Historic District

Inset B: Huntley Park Historic District



Inset D - Residential Conservation District Land Use (South of Downtown)

Inset C - Residential Conservation District Land Use (North of Downtown)

Inset E - Maplewood Neighborhood Zoning

\Community Development\Zoning w Addresses 55x84.mxd
Created 10/30/2014 DJE
Last Updated 4/12/2022 DJE

District	Use District
SFR1	Single Family Residential (10,000 Sq. Ft. Min. Lot Size)
SFR-2	Single Family Residential (6,000 Sq. Ft. Min. Lot Size)
TFR	Two Family Residential
MFR-1	Multiple Family Residential 1
MFR-2	Multiple Family Residential 2
RC-1	Residential Conservation 1

District	Use District
NC	Neighborhood Commercial
LC	Light Commercial
GC	General Commercial
CBD	Central Business District
ORI	Office, Research, Light Industrial
LI	Light Industrial
HI	Heavy Industrial

District	Use District
PD-R	Planned Development - Residential
PD-C	Planned Development - Commercial
PD-I	Planned Development - Industrial
NIU	Northern Illinois University
SAGRC	South Annie Glidden Road Corridor Overlay
INSETS	Historic Districts, RC-1 Land Use, Etc.

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0 0.25 0.5 1 1.5 2
Miles

ITEM 2: DETAILED DESCRIPTION OF THE EXISTING PUBLIC WATER SUPPLY SOURCE(S), TREATMENT FACILITIES, WATER STORAGE FACILITIES, AND DISTRIBUTION SYSTEM.

The City of DeKalb existing Water Works System consists of 9 wells, 5 water treatment plants, 4 water storage facilities, and approximately 180 miles of distribution main. The City water system serves approximately 40,290 people within the City along with a multitude of governmental/institutional, commercial, and industrial customers. The City's water system can be divided into four main components:

1) Supply
2) Treatment
3) Storage
4) Distribution

The source of water for the City of DeKalb is ground water. A more detailed evaluation of the water works system is presented in the following sections.

2.1 Supply

The City has nine (9) active wells with a design capacity of over 12 MGD. Six of the wells are deep wells drawing water from deep sandstone aquifers. The remaining three wells are shallow that draw water from sand and gravel aquifers.

A summary of the City's water supply system is presented in ***Table 2: Existing Water Supply Summary.***

2.2 Treatment

The City has five (5) water treatment plants (WTPs) that treat raw water from the wells. The Seventh St. WTP, County Farm WTP, and Corporate Drive WTP are ion-exchange softening plants. The Lincoln Highway WTP and Dresser Road WTP are ion-exchange softening plans with iron removal filters for the shallow wells. The ion exchange softeners are designed to remove radium and hardness.

At each WTP, separate chemical feed pumps inject blended polyphosphate and 23% hydrofluosilicic acid to the plant discharge line. Also at each site, chlorine gas is injected

to the plant discharge line via a booster line. The filters are chlorinated as needed for control of bacteriological growth. Continuous pH analyzers have been installed in the finished water line at each WTP for monitoring Pb/Cu water quality parameters.

Seventh St.

Water from Well #7 is pre-chlorinated, softened, post chlorinated, and phosphate is added. Combined radium is not reduced to meet design goals, however, the running annual average for combined radium currently remains below the MCL. Approximately 60% of the raw water is blended by bypassing the softener. Chlorine gas is injected to the Well #7 discharge for hydrogen sulfide removal. A continuous chlorine analyzer monitors the total chlorine residual in the Well #7 discharge.

Lincoln Hwy.

Well #15 discharges through the raw inlet pipe, then splits into two induced draft aerators. Water is then pre-chlorinated, into two separate four-cell gravity filters. The filters are backwashed after 60 hours of use. Filtered water is then repumped to the softener/softener bypass piping. The Lincoln Highway plant is designed to treat future shallow Well #18.

Water from Well #10 is softened, then blended with filtered water. Water is post-chlorinated, fluoridated, and phosphate is added. Approximately 50% of the raw water is blended by bypassing the softener.

County Farm

Water from Well #11 is softened, chlorinated, fluoridated, and phosphate is added. Approximately 60% of the raw water is blended by bypassing the softener.

Corporate Dr.

Water from Wells #12 and #13 are softened, chlorinated, fluoridated, and phosphate is added. Approximately 50% of the raw water is blended by bypassing the softener.

Dresser Rd.

Water from Wells #16 and #17 discharges to the induced draft aerator and pre-chlorinated into the four-cell gravity filters. The filters are backwashed as necessary (sensor controlled).

Water from Well #14 is softened and blended with filtered water. Water is then chlorinated, fluoridated, and phosphate is added. Approximately 60% of the raw water is blended by bypassing the softener. The filter media is chlorinated as necessary to prevent bacterial growth in the media.

2.3 Storage

The City utilizes four elevated water storage tanks (EWSTs) for finished water storage. The City's current storage capacity is 5.75 million gallons of water which exceeds the average daily demand of the system. The tower control valves maintain a constant level in the tanks. A summary of the existing water storage is provided in ***Table 3: Existing Water Storage Summary.***

Table 2. Existing Water Supply Summary

Well	GPM (Average)	Raw Water Pumping Capacity (GPD)
7	730	1,051,200
10	1,050	1,512,000
11	1,400	2,016,000
12	1,240	1,785,600
13	900	1,296,000
14	1,250	1,800,000
15	1,060	1,526,400
16	530	763,200
17	550	792,000
Total	8,710	12,542,400

Table 3. Existing Water Storage Summary

Tank Name	Address	Capacity (MG)	Type
East Tower	1119 Oak St.	0.75	Elevated
West Tower	1505 W. Lincoln Hwy.	1.0	Elevated
South Tower	2851 Corporate Dr.	2.0	Elevated
North Tower	900 W. Dresser Rd.	2.0	Elevated

2.4 Distribution

The City maintains 180.33 miles of water distribution system providing water to the public for residential, commercial, and industrial uses. Water mains are 4 inches to 16 inches in diameter, constructed of cast iron or ductile iron. The distribution system is one pressure zone as a whole, and the City does not have booster pumping stations or pressure sustaining valves.

2.5 Existing Daily Average and Maximum Water Usage

The total water consumption in 2024 was 1.19 billion gallons with an average day demand of 3.38 million gallons and a maximum daily demand of 4.5 million gallons.

2.5 System Deficiencies

The City experienced 66 water main breaks in 2024 for approximately 180 miles of water main. This averages to approximately 30 breaks per 100 miles of main, greater than the 25 or fewer breaks per year per 100 miles of water main recommended by the American Water Works Association (Distribution System Performance Evaluation, 1995) (AWWA) as the maximum number of breaks a utility should be willing to tolerate. These breaks have a significant impact on the City's expenses because the City not only pays for the labor, equipment and materials to make the repairs, but also must pay for the water that is lost. Water main breaks result in lower water quality, decreased capacity in the distribution system, wasted water resources, a risk to the crews that must repair them, an inconvenience to the public that relies on a consistent water supply and potentially long-term damage to the surrounding areas.

With respect to lead service lines, a water service break and repair can lead to a physical disturbance of a lead service. Having lead present in the water distribution system means there is a risk for increased lead levels in water consumers beyond regulatory limits should lead services be disturbed.

Item 3: Project description that explains the need and justification of the proposed project, including the benefits of the project.

It is the City's intent to remove lead service lines from its water system. The scope of work will be the replacement of lead service lines from the City's water main to the water meter inside the residences. There are an estimated 260 lead water services within the City of DeKalb as detailed in Exhibit A. Staff continually use a number of methods including: direct mail, social media, utility bill bulletin board, door-to-door notification etc. in an effort to contact residents to verify the existence of lead service lines and/or help identify services. In addition, a public hearing was held on February 2024 during the Regular City Council meeting to seek public input regarding the City's Lead Replacement Project Plan. The Plan was also posted to the City's website.

New water services will be installed via traditional open cut excavation or trenchless methods (directional drilling or lead service extraction). Trenchless installation has less impact on public and private property and is therefore cheaper than traditional open cut excavation.

Lead water service lines are being replaced as a preventative measure against lead exposure. Only full lead service line replacements will be allowed, which include replacement from the water main to 18-inches inside the home. The main project benefit is the reduction/elimination of the public's potential exposure to lead when consuming potable water from the City's distribution system.

Item 4: Discussion of the system's compliance with all applicable laws and regulations governing public water systems.

Currently there are no violations of State or federal laws. The City has not exceeded the IEPA Lead and Copper Rule (lead levels exceeding 15 ppb – 90th percentile action level).

Item 5: Basis of design for chosen alternative.

See Item 3. The project will be designed in accordance with 35 Ill. Adm. Code 651 Section 654.3 and AWWA/ANSI Standard C810-17 "Replacement and Flushing of Lead Service Lines".

Item 6: Inventory of environmental impacts of selected alternative, a discussion of the required mitigation measures, and a completed IEPA Loan Applicant Environmental Checklist form with sign-off documentation.

6.1 General

As part of this assessment, the City has requested comments and/or received sign-offs from the following entities:

- Illinois Historic Preservation Agency, Preservation Services Division
- Illinois Department of Natural Resources Review and Coordination, Endangered and Threatened Species Program (EcoCAT)

6.2 Temporary Impacts

There will be some temporary impacts to the environment during construction (i.e., dust, noise emissions due to construction equipment, minor soil erosion and sedimentation, and some minor traffic disruptions), but these impacts will be relatively short in duration, create no long-term environmental effects, and would be virtually impossible to completely eliminate. The temporary impacts during construction will be minimized through provisions defined in the plans and specifications (i.e., implementation of soil erosion and sedimentation controls, proper traffic control, set construction hours, etc.). The benefits of the completed project which will remove lead water service lines from the City will far outweigh the minimal temporary impacts during construction.

6.3 Floodway and Floodplain Impacts

The project limits do not include regulatory floodway. Project work will be limited to underground water service improvements with no changes or additions to the above grade existing conditions. No construction will be performed within stream banks or wetlands.

6.4 Archeological and Historic Preservation

The City of DeKalb requested a review of the project by the State Historic Preservation Office (SHPO) on June 22, 2022, subject to Section 106 of the Illinois State Agency

Historic Resources Preservation Act (20 ILC 3420/6) for private undertakings. A sign-off from IDNR was issued on July 12, 2022, indicating no historic properties are affected.

6.5 Rare and Endangered Species Impacts

The City of DeKalb requested a review of the project by the Illinois Department of Natural Resources (IDNR) on June 6, 2022. The EcoCAT consultation found no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location. Therefore, the consultation under Part 1075 was terminated. The Illinois Wetlands Inventory did not show wetlands within 250 feet of the project location; therefore, the wetland review under Part 1090 was terminated.

6.6 Wetland Impacts

Project work will be limited to the private property and public rights-of-way. Due to the location wetland disturbances are not anticipated. In addition, if wetlands are identified adjacent to the construction area, the appropriate precautions (i.e., soil erosion and sedimentation control) will be implemented during construction to ensure the special aquatic sites are not detrimentally impacted. However, as stated previously, disturbance of wetlands is not anticipated.

6.7 Agricultural Land and Open Space Impacts

The project area is predominately comprised of residential and business districts. No agricultural land is present within the project limits. Also, there will be no permanent impacts to open space or recreational areas.

6.8 Stream Crossings

No stream crossings have been identified as a part of the construction of the improvements.

6.9 Air Quality Impacts

It is not anticipated that the proposed improvements will have an adverse effect on the air quality. It can be expected that there will be an insignificant amount of air quality

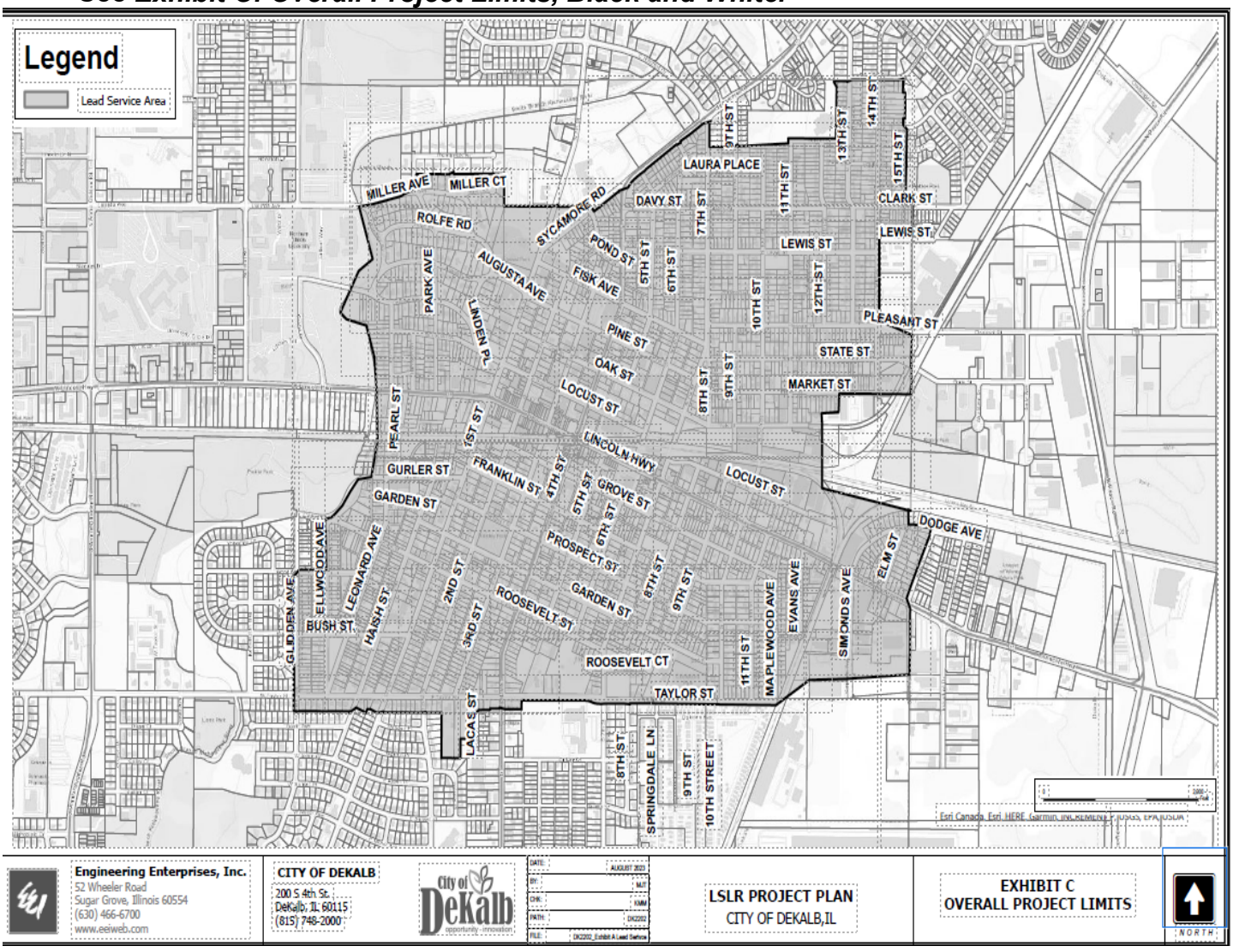
degradation during construction due to operation of construction equipment. However, the degradation of the air quality will be temporary and have minimal effect on the environment. Dust control measures and maintained construction equipment should reduce the short-term impacts. Additionally, trenchless installations result in less spoils requiring haul off and therefore less truck emissions.

6.10 IEPA Loan Applicant Environmental Checklist

The IEPA Loan Applicant Environmental Checklist (WPC 703-2652) has been completed.

Item 7: Reproducible 8.5 X 11 inch map(s) showing the project(s) location(s) relative to the community. Black and White Preferred

See ***Exhibit C: Overall Project Limits, Black and White.***



Item 8: An estimate of the total project costs and a detailed estimate of construction item costs.

Cost estimates for annual projects over the course of the next 2 years are provided in ***Appendix A: Cost Estimates***. The City estimated a total of 260 lead service lines. If funding changes in future years, the City will adjust to either increase/decrease the LSLRs to align with the proper funding, out to the 5-year limit of the Project Plan.

Item 9: Estimate loan terms, including: IEPA Loan Amount no repayment period in years 1-2.

The City has intent to use the IEPA loan funding in the amount equal to $3.1 million to complete the project. The City has received all available funds of the amount through the IEPA loan program with principal forgiveness, it is understood that the availability of principal forgiveness funding of the loan approval is currently known. As such, while the City will be using these opportunities for the overall project limits, this section will assume using principal forgiveness funding to be utilized for replacements.

Item 10: Discussion of any "green" project components that are part of the proposed project.

At this time there are no “green” project components anticipated.

Item 11: Schedule for project implementation.

The following is a proposed implementation schedule for the completion of the Year 1 Lead Service Line Replacement Project. It is anticipated Years 3 through 5 will follow the same implementation schedule for the given year unless by-pass funding can be utilized. If the Project Plan Approval schedule is condensed, this will allow the subsequent bidding, contracting, and construction items to be accomplished earlier, pending completion of design engineering (including procurement of Temporary Construction Easements).

Task	Date
Submit Project Plan to IEPA	July 2022
IEPA Project Plan Review.	July 2022 – December 2023
Public Notice Hearing	February 2024
Project Plan Approval	March 2024
Design (Plans and Specifications)	September 2024 - November 2024
Advertise for Bids	February 2025
Receive Bids	April 2025
Obtain Loan Commitment	May 2025
Award Contracts and Initiate Construction	May 2025
Complete Construction	November 2026

Item 12: Copies of inter-governmental and/or service agreements.

The City of DeKalb has one service agreement with Ventus Tech Services LLC which can be found in ***Appendix E: Service Agreement***.

Item 13: IEPA construction permit status.

IEPA construction permits are not warranted for water service line replacement projects.

Item 14: Name and address of the local newspaper(s).

The name and address of the local newspaper is:

- DeKalb Daily Chronicle – Shaw Media
  121 W Lincoln Highway
  DeKalb, IL 60115
  TEL: 833-584-6397

Appendix A

Cost Estimates

PRELIMINARY COST ESTIMATE

JOB NO:	DK2202
DESIGNED:	KMM
DATE:	April 2025
PROJECT TITLE:	**City of DeKalb Lead Service Line Replacement**

Project Cost Estimate - Year 1 - Lead Service Replacement

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	CONTRACTOR RESIDENT COORDINATION	EACH	260	$ 200.00	$ 52,000.00
2	PRIVATE UTILITY LOCATE	EACH	260	$ 100.00	$ 26,000.00
3	TREE ROOT PRUNING	EACH	70	$ 10.00	$ 700.00
4	TREE REMOVAL AND REPLACEMENT	EACH	40	$ 1,000.00	$ 40,000.00
5	WATER SERVICE CONNECTION AT MAIN, 1-INCH	EACH	260	$ 4,000.00	$ 1,040,000.00
6	WATER SERVICE LINE, TYPE K - COPPER, 1-INCH	LF	13,000	$ 30.00	$ 390,000.00
7	WATER SERVICE CONNECTION AT METER	EACH	260	$ 2,000.00	$ 520,000.00
8	WATER SERVICE ABANDONMENT	EACH	260	$ 1,000.00	$ 260,000.00
9	DRIVEWAY REMOVAL AND REPLACEMENT	SY	870	$ 50.00	$ 43,500.00
10	SIDEWALK REMOVAL AND REPLACEMENT	SF	6,500	$ 15.00	$ 97,500.00
11	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	1,300	$ 55.00	$ 71,500.00
12	HOT-MIX ASPHALT REMOVAL	SY	1,850	$ 10.00	$ 18,500.00
13	HOT-MIX ASPHALT PAVEMENT PATCH, 4-INCH	SY	1,850	$ 75.00	$ 138,750.00
14	SANITARY SEWER SERVICE REPAIR	EACH	70	$ 1,000.00	$ 70,000.00
15	NON-SPECIAL, NON-HAZARDOUS SOIL WASTE DISPOSAL	TON	75	$ 50.00	$ 3,750.00
16	RESTORATION - ROW	SY	1,849	$ 20.00	$ 36,980.00
17	TRAFFIC CONTROL AND PROTECTION	LS	1	$ 50,000.00	$ 50,000.00
18					$ -
19					$ -

NOTES:

1. PRIVATE SIDE AND PUBLIC SIDE SERVICE REPLACEMENT
2. LEGAL SERVICES/DOCUMENTS BY CITY
3. ASSUMED OPEN CUT INSTALLATION OF SERVICES FOR 50% OF HOUSES
4. ASSUMED TRENCHLESS INSTALLATION OF SERVICES FOR 50% OF HOUSES
5. ASSUMED ALL WATER SERVICES LOCATED IN PUBLIC RIGHT OF WAY ARE 1 INCH.

SUBTOTAL	$ 2,859,180.00
CONTINGENCY (10%)	$ 285,918.00
TOTAL	$ 3,145,098.00
DESIGN ENGINEERING (10%)	$ 285,918.00
CONSTRUCTION ENGINEERING (10%)	$ 285,918.00
TOTAL PRELIMINARY COST ESTIMATE	**$ 3,716,934.00**

52 Wheeler Road, Sugar Grove, IL 60554 Tel: 630.466.6700 Fax: 630.466.6701 www.eeiweb.com

PRELIMINARY COST ESTIMATE

JOB NO:	DK2202
DESIGNED:	KMM
DATE:	April 2025
PROJECT TITLE:	**City of DeKalb Lead Service Line Replacement**

Project Cost Estimate - Year 2 - Lead Service Replacement

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	CONTRACTOR RESIDENT COORDINATION	EACH	100	$ 206.00	$ 20,600.00
2	PRIVATE UTILITY LOCATE	EACH	100	$ 103.00	$ 10,300.00
3	TREE ROOT PRUNING	EACH	50	$ 10.30	$ 515.00
4	TREE REMOVAL AND REPLACEMENT	EACH	20	$ 1,030.00	$ 20,600.00
5	WATER SERVICE CONNECTION AT MAIN, 1-INCH	EACH	100	$ 4,120.00	$ 412,000.00
6	WATER SERVICE LINE, TYPE K - COPPER, 1-INCH	LF	5,000	$ 30.90	$ 154,500.00
7	WATER SERVICE CONNECTION AT METER	EACH	100	$ 2,060.00	$ 206,000.00
8	WATER SERVICE ABANDONMENT	EACH	100	$ 1,030.00	$ 103,000.00
9	DRIVEWAY REMOVAL AND REPLACEMENT	SY	340	$ 51.50	$ 17,510.00
10	SIDEWALK REMOVAL AND REPLACEMENT	SF	2,500	$ 15.45	$ 38,625.00
11	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	500	$ 56.65	$ 28,325.00
12	HOT-MIX ASPHALT REMOVAL	SY	720	$ 10.30	$ 7,416.00
13	HOT-MIX ASPHALT PAVEMENT PATCH, 4-INCH	SY	720	$ 77.25	$ 55,620.00
14	SANITARY SEWER SERVICE REPAIR	EACH	30	$ 1,030.00	$ 30,900.00
15	NON-SPECIAL, NON-HAZARDOUS SOIL WASTE DISPOSAL	TON	75	$ 51.50	$ 3,862.50
16	RESTORATION - ROW	SY	712	$ 20.60	$ 14,667.20
17	TRAFFIC CONTROL AND PROTECTION	LS	1	$ 100,000.00	$ 100,000.00
18					
19					

NOTES:

1. PRIVATE SIDE AND PUBLIC SIDE SERVICE REPLACEMENT
2. LEGAL SERVICES/DOCUMENTS BY CITY
3. ASSUMED OPEN CUT INSTALLATION OF SERVICES FOR 50% OF HOUSES
4. ASSUMED TRENCHLESS INSTALLATION OF SERVICES FOR 50% OF HOUSES
5. ASSUMED ALL WATER SERVICES LOCATED IN PUBLIC RIGHT OF WAY ARE 1 INCH.

SUBTOTAL	$ 1,224,440.70
CONTINGENCY (10%)	$ 122,444.07
TOTAL	$ 1,346,884.77
DESIGN ENGINEERING (10%)	$ 122,444.07
CONSTRUCTION ENGINEERING (10%)	$ 122,444.07
TOTAL PRELIMINARY COST ESTIMATE	**$ 1,591,772.91**

52 Wheeler Road, Sugar Grove, IL 60554 Tel: 630.466.6700 Fax: 630.466.6701 www.eeiweb.com

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Dear Water Customer: Today's Date:_____

This notice contains important information about your water service and may affect your rights. We encourage you to have this notice translated in full into a language you understand and before you make any decisions that may be required under this notice.

Diese Mitteilung beinhaltet wichtige Informationen über Ihre Wasserversorgung und könnte Ihre Rechte beeinflussen. Wir bitten Sie, dass Sie diese Mitteilung vollständig in eine Sprache übersetzen lassen, die Sie verstehen, bevor Sie eventuelle Entscheidungen treffen, welche im Zusammenhang mit dieser Benachrichtigung erforderlich sind.

Ang abisong ito ay naglalaman ng mahalagang impormasyon tungkol sa iyong serbisyo sa tubig at maaaring makaapekto sa iyong mga karapatan. Hinihikayat namin kayo na isalin nang buo ang abisong ito sa wikang naiintindihan ninyo at bago kayo gumawa ng anumang mga desisyon na maaaring kailanganin sa abisong ito.

આ સૂચનામાં તમારી પાણીની સેવા વિશે મહત્વપૂર્ણ માહિતી શામેલ છે અને તમારા અધિકારોને અસર કરી શકે છે. અમે તમને પ્રોત્સાહિત કરીએ છીએ કે તમે આ સૂચના હેઠળ જરૂરી હોય તેવા કોઈપણ નિર્ણયો લો તે પહેલાં તમે આ સૂચનાને તમે સમજો છો તે ભાષામાં સંપૂર્ણ ભાષાંતર કરો.

Niniejsze zawiadomienie zawiera ważne informacje na temat Państwa przyłącza wodociągowego i może mieć wpływ na Państwa prawa. Przed podjęciem jakichkolwiek decyzji, które mogą być wymagane na mocy niniejszego zawiadomienia, zachęcamy Państwa do przetłumaczenia całości niniejszego zawiadomienia na język, który będzie dla Państwa zrozumiały.

يحتوي هذا الإشعار على معلومات مهمة حول خدمة المياه لديك، وقد يؤثر على حقوقك. قبل اتخاذ أي قرارات قد تكون مطلوبة بموجب هذا الإشعار فإننا نشجعك على ترجمته بالكامل إلى لغة تفهمها.

اس نوٹس میں آپ کی پانی کی سروسز سے متعلق اہم ترین معلومات موجود ہیں اور یہ آپ کے حقوق کو متاثر کر سکتا ہے۔ ہم آپ کو ترغیب دیں گے کہ آپ اس نوٹس کا مکمل طور پر اس زبان میں ترجمہ کروائیں جو آپ سمجھتے ہوں اور ممکن ہے کہ آپ کے کوئی فیصلہ لینے سے قبل اس نوٹس کے تحت یہ درکار بھی ہو۔

Este aviso contiene información importante sobre su servicio de agua y puede afectar sus derechos. Lo animamos a que traduzca este aviso a un idioma que comprenda antes de tomar cualquier decisión que pueda ser necesaria en virtud del mismo.

이 통지서에는 귀하의 권리에 영향을 미칠 수 있는 수도 서비스에 관한 중요한 정보가 제시되어 있습니다. 이 통지서에서 요구하는 결정을 내리기 전에 이 통지서를 귀하가 이해할 수 있는 언어로 번역하시기 바랍니다.

本通知包含有关您的供水服务的重要信息，可能会影响到您的权利。在您做出本通知所要求的任何决定之前，我们鼓励您将本通知完整地翻译成您可理解的语言。

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Our water system will soon begin a water line maintenance and/or construction project that may affect the lead concentrations in your drinking water. Lead, a metal found in natural deposits, is harmful to human health, especially young children, and pregnant women. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that can carry oxygen to all parts of your body. The most common exposure to lead is swallowing or breathing in lead paint chips and dust. However, lead in drinking water can also be a source of lead exposure. In the past, lead was used in some water service lines and household plumbing materials. Lead in water usually occurs through corrosion of plumbing products containing lead; however, disruption (construction or maintenance) of lead service lines may also temporarily increase lead levels in the water supply. This disruption may be sometimes caused by water main maintenance/replacement.

The purpose of this notice is for informational purposes only. While it's not known for certain whether this construction project will adversely affect the lead (if present) plumbing in and outside your home, below describes some information about the project and some preventative measures you can take to help reduce the amount of lead in drinking water.

Project Start Date:_____ Project expected to be completed by:_____

Project location and description:_____

_____

_____

What you can do to reduce lead exposure in drinking water during this construction project:

- *Run your water to flush out lead.* If the plumbing in your home is accessible; you may be able to inspect your own plumbing to determine whether you have a lead service line or lead solder. Otherwise, you will most likely have to hire a plumber.
  - If you do not have a lead service line, running the water for 1 – 2 minutes at the kitchen tap should clear the lead from your household plumbing to the kitchen tap. Once you have done this, fill a container with water and store it in the refrigerator for drinking, cooking, and preparing baby formula throughout the day.
  - If you do have a lead service line, flushing times can vary based on the length of your lead service line and the plumbing configuration in your home. The length of lead service lines varies considerably. Flushing for at least 3 – 5 minutes is recommended.
- *Use cold water for drinking, cooking, and preparing baby formula.* Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- *Look for alternative sources or treatment of water.* You may want to consider purchasing bottled water or a water filter that is certified to remove "total lead".
- *Clean and remove any debris from faucet aerators on a regular basis.*
- *Do not boil water to remove lead. Boiling water will not reduce lead.*
- *Purchase lead-free faucets and plumbing components.*
- *Remove the entire lead service line.*
- *Test your water for lead.* Call us at: _____to find out how to get your water tested for lead. While we do not do the testing, we can provide a list of laboratories certified to do the testing. Laboratories will send you the bottles for sample collection. Please note that we are not affiliated with any laboratory, and they will charge you a fee.
  - If test results indicate a lead level above 15 ug/L, bottled water should be used by pregnant women, breast-feeding women, young children, and formula-fed infants.

Exhibit C

Notice to Consumers Regarding Water Main/Service Repairs

Illinois EPA Notice – Lead

The City of DeKalb Utility Division is required to notify customers whenever water mains, water service lines, or water meters are repaired or replaced of the possibility that the work being performed may result in the disturbance of sediment, possibly containing lead that could enter the property water service.

Residents/Customers are advised to flush their water service lines once the work is completed, including removing and cleaning faucet aerator screens.

It is important to note

The City of DeKalb Utility Division is in compliance with the Federal Safe Drinking Water Act. Samples for lead are collected and analyzed on a routine basis and results are below the Federal Action Level. Lead may leach into the water over time, thus flushing the water service for **5** minutes (depending on service length) mitigates the risk of consuming water containing lead.

Learn About Lead

www.epa.gov/lead

Information about risks associated with lead in drinking water is available at the U.S. Environmental Protection Agency web site indicated above.

Why you should care about lead exposure

The U.S. EPA has determined that lead can cause significant health problems if it accumulates in a person's body over time.

While lead in tap water is rarely the single cause of lead poisoning, it can increase a person's total lead exposure. High levels of lead in your household drinking water can have significant health impacts, especially for children and pregnant women.

Sources of Lead

Lead is NOT present in the water that the City of DeKalb Utility Division sends to your residence. Lead can leach into water as it moves through lead-containing household plumbing and service lines. Homes with lead service lines, homes built between 1982 and 1986 where lead solder and lead based flux was used, and lead contained in some brass water faucets are the main sources of possible lead leaching.

(*Este informe contiene informacion muy importante. Traduscalo o hable con alguien que lo entienda bien.)*

If you have any specific questions regarding lead or other water quality questions, please contact the City of DeKalb Utility Division at (815) 748-2050.

The City of DeKalb Utility Division is committed to providing safe water to all our residents and visitors.

as of 4/3/202

Exhibit D

- Lead Service Line Replaced
- Lead & Galvanized Service Lines Requiring Replacement