



**AGENDA PACKET**  
**VILLAGE OF LAKE ZURICH**  
**Village Board of Trustees Meeting**

**November 7, 2022**  
**07:00 pm**

# VILLAGE OF LAKE ZURICH

## VILLAGE BOARD OF TRUSTEES MEETING

**NOVEMBER 7, 2022**

**07:00 PM**

### **AGENDA**

**1. CALL TO ORDER**

**2. ROLL CALL**

Mayor Thomas Poynton, Trustee Dan Bobrowski, Trustee Mary Beth Euker, Trustee Janice Gannon, Trustee Marc Spacone, Trustee Jonathan Sprawka, Trustee Greg Weider.

**3. PLEDGE OF ALLEGIANCE**

**4. PUBLIC COMMENT**

This is an opportunity for residents to comment briefly on matters included on the agenda and otherwise of interest to the Board of Trustees. Public Comment is limited to 30 minutes total and up to 5 minutes per speaker.

**5. TRUTH-IN-TAXATION PUBLIC HEARING FOR 2022 PROPERTY TAX LEVY (Trustee Sprawka)**

**Summary:** The total proposed increase to the Village of Lake Zurich property tax levy for 2022 represents a 6.1% increase over the previous year. This levy increase brings the total levy to \$10,193,977. In accordance with State statutes, the Village is holding this Truth-in-Taxation Public Hearing in order for residents to have the opportunity to comment on the proposed levy.

The hearing notice was published on October 28, 2022 in the Daily Herald, as well as posted on the Village website and in the official Village newsletter Benchmarks.

**Recommended Action #1:** A motion to open the Truth-in-Taxation Public Hearing for the 2022 Property Tax Levy and receive into the record public comment.

**Recommended Action #2:** A motion to close the Truth-in-Taxation Public Hearing for the 2022 Property Tax Levy.

Attachment: [5.pdf](#)

**6. CONSENT AGENDA**

(These titles will be read by the Village Clerk and approved by a single Roll Call Vote. Any item may be pulled from the Consent Agenda for discussion by any member of the Board).

**A. Approval of Minutes of the Village Board Meeting, October 17, 2022**

Attachment: [6a.pdf](#)

**B. Approval of Semi-Monthly Warrant Register Dated October 17, 2022 Totaling \$994,976.38**

Attachment: [6b.pdf](#)

**C. Ordinance Amending Title 1 of the Lake Zurich Municipal Code regarding Administrative Spending Authority (Assign Ord. #2022-11-479)**

**Summary:** The proposed Ordinance codifies into Title 1 of the Municipal Code the existing employee spending authorization and purchase limits that are in the Village Purchasing Manual. This Ordinance is not changing current practice or purchasing limits, only formalizing it within the Code.

Attachment: [6c.pdf](#)

**D. Agreement with Midwest Salt for Additional Salt Purchase Exceeding the 2022 Budgeted Limit by an Amount Not-to-Exceed \$40,000**

**Summary:** Staff is requesting an updated authorized amount under the Village's existing contract with Midwest Salt that will exceed the 2022 budgeted amount by \$40,000. Due to the upwards inflationary pressure of fuel and other commodities this year, the previous amount of \$106,000 approved by the Village Board on January 3, 2022 for bulk water conditioning salt has been depleted. Projected savings from other commodity accounts will offset this overage, allowing the Water and Sewer Fund to remain within the FY 2022 budget.

Attachment: [6d.pdf](#)

**E. Ordinance Granting a Zoning Variation for a Security Fence for ComEd at 845 Oakwood Road (Assign Ord. #2022-11-480)**

**Summary:** ComEd are the owners of 845 Oakwood Road and seek variations from village code to install a black metal fence that will encroach 5 feet into the required 35-foot front yard setback. They seek a variation of zoning code provisions for front yard setbacks and a variation of the building code provisions for type, design, and height of the fence. The Planning and Zoning Commission held a public hearing on October 19, 2022, recommending approval of the requested variations, subject to the conditions outlined in the proposed Ordinance.

Attachment: [6e.pdf](#)

**F. Ordinance Granting a Zoning Variation for a Swimming Pool at 1420 Deerpase Road (Assign Ord. #2022-11-481)**

**Summary:** The owner of the property at 1420 Deerpase Road seek a variation to install an above-ground pool that will encroach 13 feet into the required rear-lot setback but will not encroach into the interior side yard or street yard setback. The Planning and Zoning Commission held a public hearing on October 19, 2022, recommending approval of the requested variations, subject to the conditions outlined in the proposed Ordinance.

Attachment: [6f.pdf](#)

**G. Authorization Waive the Competitive Bid Process and Proceed with Emergency Repairs at the Paulus Park Chalet Approving Agreements with United Structural Systems of Illinois and American Garage Floor Systems in the Amount Not-to-Exceed \$65,420**

**Summary:** During the recent exterior deck replacement of the Paulus Park Chalet building, crews noticed foundational footing deficiencies previously concealed by the decking. This facility is 29 years old and structural settling over the years has necessitated these unbudgeted repairs to the exterior foundation, interior floor slab, and surface flooring. Funds from the Capital Improvement Fund will be used to cover this unplanned expense.

Given the current use as a Park and Recreation programing facility, it is recommended to accept the proposal provided by United Structural Systems of Illinois. In addition, Staff recommends to refinish the interior floor with a floor coating similar to the flooring at Village Hall to complete the project. A proposal from American Garage Floor Systems has been provided.

Attachment: [6g.pdf](#)

**H. Four Year Agreement with Stryker ProCare Services for Maintenance of First Responder Patient Transport Equipment in the Amount Not-to-Exceed \$39,303.13 or \$9,825.78 per Year**

**Summary:** The existing Stryker maintenance agreement expires at the end of 2022. The Fire Department utilizes Stryker transport equipment such as power cots, power load systems, and stair chair to provide patient care on a daily basis.

Attachment: [6h.pdf](#)

**I. Intergovernmental Agreement with School District 95, Ela Township, and Ela Area Public Library District on Property Tax Appeals**

**Summary:** Village staff propose to enter an intergovernmental agreement with a coalition of four local governments to join together to review, monitor, contest, and defend assessed valuations of real property located within shared jurisdictional boundaries. When such a reduction is sought, each local government subject to this IGA shall convene to review and discuss a coordinated response to the appeal. School District 95 has agreed to be the fiscal agent and designated liaison, as its levy is the largest share of the property tax bill.

Attachment: [6i.pdf](#)

**J. Agreement with Sewertech LLC for the 2022 Sanitary Sewer Televising Inspection Program in the Amount Not-to-Exceed \$72,986.53**

**Summary:** The FY 2022 budget includes \$100,000 in the Water and Sewer Fund for video inspection services of the Village's sanitary sewer system. This year's inspection is focused on aging pipes in the Old Mill Grove and Cedar Creek subdivisions. This is the third and final year of the Village's existing contract with Sewertech, which was the lowest responsible bid received on April 2, 2020.

Attachment: [6j.pdf](#)

**K. Annual Village of Lake Zurich Meeting Schedule for 2023**

**Summary:** Each year the Village Board approves the annual schedule of meetings for the following calendar year. Upon approval, the schedule for Lake Zurich public bodies and advisory commissions will be published accordingly to fulfil the State of Illinois Open Meetings Act requirements.

Attachment: [6k.pdf](#)

## 7. OLD BUSINESS

(This agenda item includes matters for action by the Board of Trustees.)

### A. Request to Continue Consideration of OSK Capital Partners Proposed Townhome Development at 670 South Old Rand Road (Trustee Bobrowski)

**Summary:** OSK Capital Partners has requested approval of a Planned Unit Development, Zoning Map Amendment, and Preliminary Plat of Subdivision to construct a new residential townhome subdivision at 670 South Old Rand Road. During the October 3, 2022 Village Board meeting, Trustees voted to continue consideration of the proposed development to November 7, 2022 to give the applicant the opportunity to address questions and concerns of the Village Board within a revised proposal.

The Applicant has requested additional time to revise the proposed development plans and requested further continuance of consideration to the next scheduled Board meeting on November 21, 2022.

**Recommended Action:** A motion to continue consideration of the proposed residential subdivision by OSK Capital Partners at 670 South Old Rand Road to November 21, 2022.

Attachment: [7a.pdf](#)

## 8. NEW BUSINESS

(This agenda item includes matters coming to the Board of Trustees for discussion and possible action).

### A. Fire Pension Municipal Compliance Report and Tax Levy Request (Trustee Euker)

**Summary:** The Illinois Pension Code requires the Village levy a tax each year to meet the actuarial requirements of the Fire Pension Fund. The Lake Zurich Fire Pension Board is requesting a tax levy in the amount of \$2,512,418 for the Village Board to consider. Last year, the Fire Pension Board requested a levy of \$2,774,272 and the actual levy was \$2,485,816. The Fire Pension Fund is now 74.84% funded, an increase of 6.83% on an actuarial value from last year's status of 68.01% funded.

**Recommended Action:** No Village Board action requested at this point. This tax levy request is for informational purposes only.

Attachment: [8a.pdf](#)

### B. 2022 Property Tax Levy Extension Ordinance and Five Abatement Ordinances Regarding Debt Services (Trustee Sprawka)

**Summary:** Each year, the Village Board approves a tax levy ordinance to certify with the Lake County Clerk's Office in order to extend property taxes on real estate parcels within Lake Zurich corporate boundaries. The 2022 levy request is based upon the estimated equalized assessed value (EAV) of those properties, as determined by the Elia Township Assessor's Office and the Chief County Assessor's Office.

Applying the rates authorized by the Property Tax Extension Limitation Law (PTELL), the Village is requesting a total levy of \$10,193,977, which represents an increase of 6.1% over the previous year. The tax levy request for 2022 includes \$1,279,523 for debt service and \$4,655,026 for the Police and Fire Pension Funds.

Five ordinances totaling \$2,563,728 regarding debt service abatements are also presented for Village Board action. As sufficient funds are available from other revenue sources to pay scheduled debt service payments as they become due, the need to extend a property tax levy on these issues is not warranted. Therefore, the Village will notify the County Clerk to not extend property taxes on these abatement ordinances.

**Recommended Action #1:** A motion to approve Ordinance #2022-11-482 authorizing the 2022 Property Tax Levy Extension in the Amount of \$10,193,977.

**Recommended Action #2:** A motion to approve the following five abatement ordinances regarding debt service via a single roll-call vote:

**a)** Ordinance #2022-11-483 Abating Certain Taxes Levied for \$3,800,000 General Obligation Bonds, Waterworks and Sewerage System Alternate Revenue Sources, Series 2013 A.

**b)** Ordinance #2022-11-484 Abating Certain Taxes Levied for \$6,325,000 General Obligation Refunding Bonds, Series 2014 A.

**c)** Ordinance #2022-11-485 Abating Certain Taxes Levied for \$11,775,000 General Obligation Refunding Bonds, Series 2015 A.

**d)** Ordinance #2022-11-486 Abating Certain Taxes Levied for \$7,100,000 General Obligation Refunding Bonds, Series 2016 A.

**e)** Ordinance #2022-11-487 Abating Certain Taxes Levied for \$1,000,000 General Obligation Bonds (Waterworks and Sewerage System Alternate Revenue Source) Series 2016 B.



Attachment: [8b.pdf](#)

**C. Agreement with CDM Smith for the Lake Zurich Water Distribution Supply Study Assessment in the Amount Not-to-Exceed \$129,952 (Trustee Spacone)**

**Summary:** As the Village of Lake Zurich continues to assess the feasibility of transitioning to Lake Michigan as the community water source, an assessment of the current water distribution system is needed to provide improvement recommendations and costs associated with the connection point to the Central Lake County Joint Action Water Agency (CLCJAWA).

In order to provide efficiencies with design and review between Lake Zurich and CLCJAWA, Village Staff has requested that CDM Smith provide a proposal for a supply study assessment. The purpose of this study is to determine the additional facilities or improvements needed to provide 100 percent supply from the CLCJAWA connection and minimize impact on system pressure, fire flows, and other established system criteria.

Upon completion of the study, a community workshop would be held with the Village Board in May or June 2023 to review a draft report and its findings. The final report will be presented at a Village Board meeting with a presentation from CDM Smith.

Vice President and Senior Project Manager Atassi with CDM Smith will provide a presentation at the Board meeting this evening to review its proposed scope of services and partnership with the Village.

**Recommended Action:** A motion to approve an agreement with CDM Smith for the Lake Zurich Water Distribution Supply Study Assessment in the Amount Not-to-Exceed \$129,952.

Attachment: [8c.pdf](#)

**9. PRESIDENT'S REPORT / COMMUNITY UPDATE**

**10. TRUSTEE REPORTS**

**11. VILLAGE STAFF REPORTS**

**12. EXECUTIVE SESSION called for the purpose of:**

5 ILCS 120 / 2 (c) (21) approval of executive session minutes

5 ILCS 120 / 2 (c) (2) collective bargaining

5 ILCS 120 / 2 (c) (1) appointment, employment, compensation, discipline, performance or dismissal of specific employees.

**13. ADJOURNMENT**

AGENDA ITEM

5

**NOTICE OF PROPOSED PROPERTY TAX INCREASE  
FOR THE VILLAGE OF LAKE ZURICH**

- I. A public hearing to approve a proposed property tax increase for the Village of Lake Zurich for 2022 will be held on Monday, November 7, 2022 at 7:00 p.m. at the Lake Zurich Village Hall, 70 East Main Street, Lake Zurich, Illinois.

Any person desiring to appear at the public hearing and present testimony to Village officials of the taxing district may contact Kyle Kordell, Deputy Village Clerk, 70 East Main Street, Lake Zurich, IL 60047 at (847) 438-5141. Attendance is encouraged.

- II. The corporate and special purpose property taxes extended for 2021 were \$8,388,930. The proposed corporate and special purpose taxes to be levied for 2022 are \$8,914,454. This represents a 6.26% increase over the previous year.
- III. The property taxes extended for debt service for 2021 were \$1,218,885. The estimated property taxes to be levied for debt service for 2022 are \$1,279,523. This represents a 4.97% increase over the previous year.
- IV. The total property taxes extended for 2021 were \$9,607,816. The estimated total property tax to be levied for 2022 is \$10,193,977. This represents a 6.10% increase over the previous year.

UNAPPROVED MINUTES  
VILLAGE OF LAKE ZURICH  
Board of Trustees  
70 East Main Street



Monday, October 17, 2022 7:00 p.m.

1. **CALL TO ORDER** by Mayor Thomas M. Poynton at 7:00 pm.
2. **ROLL CALL:** Mayor Thomas Poynton, Trustee Janice Gannon, Trustee Marc Spacone, Trustee Jonathan Sprawka, Trustee Greg Weider, Trustee Bobrowski and Trustee Euker are both absent tonight.  
Also in attendance: Village Manager Ray Keller, Village Atty. Scott Uhler, Management Services Director Michael Duebner, HR Director Doug Gibson, Finance Director Amy Sparkowski, Deputy Police Chief David Anderson.
3. **PLEDGE OF ALLEGIANCE**
4. **PUBLIC COMMENT**
  - o Mary Kozub of the Ancient Oaks Foundation reported on the results of its recent oak tree fundraiser, thanking the village staff for their cooperative efforts and promotions of the sale. The Foundation netted almost \$1,000 and donated six 2-inch diameter trees to the Village Arborist for parks.
5. **PRESIDENT'S REPORT / COMMUNITY UPDATE**
  - A. **Proclamation Declaring October 24, 2022 as World Polio Day**  
Mayor Poynton introduced Lake Zurich Rotary Club President Subbarao Mandavilli, who said Rotary International has helped to vaccinate over three billion children around the world over the decades. The Lake Zurich Rotary Club consists of 27 people and meets twice a month at the Library.  
Mayor Poynton encouraged the community to attend the Kill on Old Mill: Haunt Against Hunger at 115 Old Mill Grove Road.
6. **CONSENT AGENDA**
  - A. Approval of Minutes of the Village Board Meeting, October 3, 2022
  - B. Approval of Semi-Monthly Warrant Register Dated October 17, 2022 Totaling \$730,489.17
  - C. Resolution Approving Public Release of Executive Meeting Minutes of the Lake Zurich Board of Trustees (Assign Reso. #2022-10-070)  
**Summary:** The Village is required to conduct periodic reviews of Executive Session minutes for the purpose of determining whether any minutes may be released for public viewing. The proposed Resolution identifies the Executive Session minutes that the Board has provided consensus on to either keep confidential or release.
  - D. Authorization to Terminate the Purchase Agreement with Sutton Ford for One 2022 Ford F-150 Police Responder Vehicle and Enter a New Purchase

AGENDA ITEM  
6A

**Agreement with Sutton Ford for One 2023 Ford F-150 Police Responder Pickup Truck in the Amount Not-to-Exceed \$45,983**

**Summary:** At the December 6, 2021 Village Board meeting, Trustees approved the purchase of a 2022 Ford F-150 Police Responder, along with the accessory public safety equipment needed, in the amount not-to-exceed \$56,000. That order was placed and accepted by Ford Motor Company in early January of 2022. In September 2022, Ford sent notice that they would cease production of that vehicle for the remainder of 2022.

On October 6, 2022 the Village received notification that the State of Illinois Joint Purchasing Agreement was able to tentatively secure a limited amount of 2023 Ford F150 Police Responder vehicles that could be purchased through the program. Given the change of model year, a price adjustment resulted in an increase to the cost of the vehicle by \$6,875.

**Actions:** Mayor Poynton made a motion, seconded by Trustee Sprawka to approve the Consent Agenda as presented.

**AYES:** 4 Trustees Spacone, Weider, Sprawka, and Gannon

**NAYS:** 0

**ABSENT:** 2 Trustee Bobrowski and Trustee Euker

**MOTION CARRIED**

**7. NEW BUSINESS**

**A. Police Pension Municipal Compliance Report and Tax Levy Request**

**Summary:** The Illinois Pension Code requires the Village to levy a tax each year to meet the actuarial requirements of the Police Pension Fund. The Lake Zurich Police Pension Board is requesting a tax levy in the amount of \$2,142,608 for the Village Board to consider.

Last year, the Police Pension Board requested a levy of \$2,067,695 and the actual levy was the same at \$2,067,695. The Police Pension Fund is now 57.65% funded, an increase of 3.76% on an actuarial value from last year's status of 53.89% funded.

Lake Zurich Police Sergeant Andy Sieber, Secretary of Police Pension Board, thanked the Village Board for its continued support, saying he has seen an increase in the actuarial value of the Fund every year since he's been on the Pension Board.

**Actions:** No Village Board action was requested at this point. This tax levy request is for informational purposes only.

**B. Ordinance Authorizing the Issuance of \$1,241,000 Taxable General Obligation Refunding Bonds (Limited Tax), Series 2023, of the Village of Lake Zurich, Lake County, Illinois, for the purpose of refunding certain outstanding general obligation alternate bonds of said Village and paying the expenses incident thereto, providing for the levy and collection of a direct annual tax for the payment of the principal of and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof (Assign Ord. #2022-10-478)**

**Summary:** From 2009 – 2016, the Village issued various General Obligation TIF Bonds, of which payment of these bonds is from various revenue sources as well as annual issuance of taxable general obligation bonds.

The proposed ordinance for Series 2023 general obligation bonds is the Village's 13<sup>th</sup> year of this procedure. The Series 2023 Bonds will pay interest and principal due during Fiscal Year 2023.

The total size of the proposed bond issuance is \$1,241,000, which includes fees of approximately \$13,000. As in the past, Cornerstone Bank has agreed to purchase the bonds. The bonds are to be approved in 2022 and be included in the 2022 property tax levy.

Director Sparkowski said this process is the same as in past years, just a different dollar amount. She said these Series 2023 bonds are intended to pay principal and interest on the previous 2015 A and 2016 A bond issuances.

Trustee Spacone asked if the raising interest rate environment globally will impact the interest rate paid on these Series 2023 bonds. Director Sparkowski said the interest rate did go up to 6.25% for this issuance. Trustee Spacone confirmed the Village retains a AAA bond rating and that a higher interest rate has nothing to do with anything the Village has done wrong, just global high-inflationary pressures.

**Actions:** A motion was made by Trustee Sprawka, seconded by Trustee Weider, to approve Ordinance #2022-10-478 Authorizing the Issuance of \$1,241,000 Taxable General Obligation Refunding Bonds (Limited Tax), Series 2023, of the Village of Lake Zurich, Lake County, Illinois, for the purpose of refunding certain outstanding general obligation alternate bonds of said Village and paying the expenses incident thereto, providing for the levy and collection of a direct annual tax for the payment of the principal of and interest on said bonds, and authorizing the sale of said bonds to the purchaser thereof.

AYES: 4 Trustees Gannon, Sprawka, Weider, and Spacone

NAYS: 0

ABSENT: 2 Trustee Bobrowski and Trustee Euker

**MOTION CARRIED.**

**8. TRUSTEE REPORTS**

There were none.

**9. VILLAGE STAFF REPORTS**

**A. Monthly Data Metric Reports**

**10. EXECUTIVE SESSION called for the purpose of:**

**Actions:** Motion was made by Trustee Weider seconded by Trustee Sprawka to move to Executive Session for the purpose of:

- 5 ILCS 120 / 2 (c) (21) approval of executive session minutes
- 5 ILCS 120 / 2 (c) (2) collective bargaining
- 5 ILCS 120 / 2 (c) (1) appointment, employment, compensation, discipline, performance or dismissal of specific employees

AYES: 4 Trustees Weider, Spacone, Gannon, and Sprawka

NAYS: 0

ABSENT: 2 Trustee Bobrowski and Trustee Euker

4

**MOTION CARRIED.**

**11. ADJOURNMENT**

Meeting adjourned to Executive Session with no further business in Open Session at 7:17 pm.

Respectfully submitted:

Kyle Kordell, Deputy Village Clerk

Approved by:

\_\_\_\_\_  
Mayor Thomas M. Poynton

\_\_\_\_\_  
Date



**VILLAGE OF LAKE ZURICH**  
WARRANT REPORT - 11/07/2022  
**\$994,976.38**

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<i>GL Number</i>	<i>GL Desc</i>	<i>Vendor</i>	<i>Invoice Description</i>	<i>Amount</i>
<b>Fund 101 GENERAL</b>				
Dept 00000				
101-00000-14101	INVENTORY	CMRS - POSTAGE BY PHONE	POSTAGE REPLENISH A/C #34328807	1,500.00
101-00000-21455	BUILDING DEPOSIT PAYABLES	GERE MARIE	BD BOND REF - BCE22-0012	679.96
101-00000-21455	BUILDING DEPOSIT PAYABLES	JOYCE'S DRIVING SCHOOL	BD BOND REF - BCE22-0016	1,424.22
101-00000-21455	BUILDING DEPOSIT PAYABLES	KLEIN THORPE & JENKINS	BD BOND REF - 1275 ENSELL RD - GEREMARIE	484.00
101-00000-21455	BUILDING DEPOSIT PAYABLES	KLEIN THORPE & JENKINS	BD BOND REF - 181 S RAND RD - JOYCES SCHOOL	330.00
101-00000-21455	BUILDING DEPOSIT PAYABLES	KLEIN THORPE & JENKINS	BD BOND REF - 670 S OLD RAND RD	792.00
101-00000-21455	BUILDING DEPOSIT PAYABLES	MANHARD CONSULTING LTD	BD BOND REF - #BCE21-0006	1,401.80
101-00000-21455	BUILDING DEPOSIT PAYABLES	MANHARD CONSULTING LTD	BD BOND REF - #BCE22-0019	737.50
101-00000-21455	BUILDING DEPOSIT PAYABLES	MANHARD CONSULTING LTD	BD BOND REF - #BCE22-0012	507.50
101-00000-21455	BUILDING DEPOSIT PAYABLES	MANHARD CONSULTING LTD	BD BOND REF - #BCE22-0008	145.00
101-00000-21455	BUILDING DEPOSIT PAYABLES	MANHARD CONSULTING LTD	BD BOND REF - 1275 ENSELL	507.50
101-00000-21455	BUILDING DEPOSIT PAYABLES	PADDOCK PUBLICATIONS INC.	BD BOND REF #4589195	158.70
101-00000-21455	BUILDING DEPOSIT PAYABLES	PADDOCK PUBLICATIONS INC.	BD BOND REF #4589196	96.60
101-00000-21455	BUILDING DEPOSIT PAYABLES	TRUE NORTH ENERGY LLC	BD PAYMENT REF - 449 S RAND RD	500.00
101-00000-22501	ER - UNDISTRIBUTED LIFE INS	I P B C	IPBC INSURANCE PREMIUM - OCT	794.97
Total For Dept 00000				10,059.75
Dept 11006 LEGISLATIVE MAYOR & BOARD				
101-11006-52111	OTHER PROFESSIONAL SVCS	VICTOR INSURANCE MANAGERS INC	NOTARY BOND RENEWAL 01/28/23-01/28/27	30.00
Total For Dept 11006 LEGISLATIVE MAYOR & BOARD				30.00
Dept 12001 VILLAGE ADMIN ADMINISTRATION				
101-12001-51652	TRAINING AND MEETINGS	BEELOW'S STEAKHOUSE LAKE ZURI	MTG W/LZ FIRE PROTECTION DISTRICT	96.60
101-12001-51652	TRAINING AND MEETINGS	LAKE COUNTY, ILLINOIS CVB	LAKE COUNTY ANNUAL LUNCHEON	45.00
101-12001-52201	VILLAGE ATTORNEY	KLEIN THORPE & JENKINS	LEGAL SERVICES - SEP 2022	5,249.73
Total For Dept 12001 VILLAGE ADMIN ADMINISTRATION				5,391.33
Dept 12120 VILLAGE ADMIN HUMAN RESOURCES				
101-12120-51654	MEMBERSHIPS & SUBSCRIP	CITY TECH USA INC.	PUBLIC SALARY MEMBERSHIP	390.00
101-12120-51655	EMPLOYEE RECOGNITION	COSTCO WHOLESALE #378	EMPLOYEE APPRECIATION	336.04
101-12120-52203	LABOR ATTORNEY	CLARK BAIRD SMITH LLP	LEGAL SERVICES SEP 2022	1,137.50
101-12120-52203	LABOR ATTORNEY	CLARK HILL PLC	LEGAL SERVICES - AUG 2022	267.00
Total For Dept 12120 VILLAGE ADMIN HUMAN RESOURCES				2,130.54

**VILLAGE OF LAKE ZURICH**  
WARRANT REPORT - 11/07/2022  
**\$994,976.38**

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<i>GL Number</i>	<i>GL Desc</i>	<i>Vendor</i>	<i>Invoice Description</i>	<i>Amount</i>
Dept 12180 VILLAGE ADMIN ECONOMIC DEVELOPMENT				
101-12180-51654	MEMBERSHIPS & SUBSCRIP	INTL COUNCIL OF SHOPPING	CREDIT FOR AST MRG MEMB DUES	(125.00)
101-12180-52111	OTHER PROFESSIONAL SVCS	DOROB, STEVEN	DEVELOPMENT BROCHURE	2,000.00
101-12180-53211	OTHER SUPPLIES	GLOBAL EXPERIENCE SPEC 800-475-2	FURNITURE RENTAL FOR ICSC RETAIL EVENT	774.17
Total For Dept 12180 VILLAGE ADMIN ECONOMIC DEVELOPMENT				2,649.17
Dept 13001 FINANCE ADMINISTRATION				
101-13001-53208	OFFICE SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	BUDGET BOOK SUPPLIES	99.80
101-13001-53208	OFFICE SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	HIGHLIGHTERS	3.38
Total For Dept 13001 FINANCE ADMINISTRATION				103.18
Dept 17001 TECHNOLOGY ADMINISTRATION				
101-17001-52111	OTHER PROFESSIONAL SVCS	GOOGLE	GOOGLE SERVICE - OCT 2022	24.00
101-17001-52111	OTHER PROFESSIONAL SVCS	MICROSYSTEMS INC.	MS CLOUD SERVICES - SEP 2022	92.76
101-17001-52118	SOFTWARE MAINTENANCE	VERMONT SYSTEMS, INC.	PHONE/WEBINAR SETUP OR TRAINING	1,687.50
101-17001-52704	MAINT-EQUIPMENT	CDW GOVERNMENT LLC	FORTINET CUSTOM COTERM	1,533.75
101-17001-52704	MAINT-EQUIPMENT	TOSHIBA BUSINESS SOLUTIONS, USA	REC COPIES - 07/01/22 - 09/30/22	1,175.19
101-17001-53203	TELEPHONE & DATA SVCS	PEERLESS NETWORK INC	ANALOG LINES - JULY 2022	235.21
101-17001-53203	TELEPHONE & DATA SVCS	PEERLESS NETWORK INC	ANALOG LINES - OCT 2022	1,039.73
101-17001-53205	COMPUTER SUPPLIES	COSTCO WHOLESALE #378	ARCHIVE MEDIA	179.98
101-17001-53205	COMPUTER SUPPLIES	DATASOURCE, INK	TONER	720.00
101-17001-53407	EQUIP MAINT PART&SUPPLIE	AMAZON.COM SALES, INC	LAPTOP BATTERY, IPHONE PRO CASE	61.47
101-17001-56601	CAPITAL LEASE	TOSHIBA FINANCIAL SERVICES	FIRE & PD - COPIER LEASE	164.74
101-17001-56601	CAPITAL LEASE	TOSHIBA FINANCIAL SERVICES	FIRE & CS - COPIER LEASE	119.50
101-17001-56601	CAPITAL LEASE	TOSHIBA FINANCIAL SERVICES	FINANCE COPIER LEASE	192.31
Total For Dept 17001 TECHNOLOGY ADMINISTRATION				7,226.14
Dept 24001 POLICE ADMINISTRATION				
101-24001-51652	TRAINING AND MEETINGS	NORTHWEST POLICE ACADEMY	CHIEFS TRAINING	75.00
101-24001-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	SOCKS - GRUNDER	63.26
101-24001-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	JACKET - STEINER	73.08
101-24001-53401	CUSTODIAL SUPPLIES	VALDES, LLC	PAPER TOWELS, TRASH BAGS, SOAP	429.42
Total For Dept 24001 POLICE ADMINISTRATION				640.76
Dept 24210 POLICE OPERATIONS				
101-24210-51652	TRAINING AND MEETINGS	NORTHEAST MULTI-REGIONAL TRNG.	PORTABLE SCALE CERTIFICATION - HEER	35.00
101-24210-51652	TRAINING AND MEETINGS	NORTHEAST MULTI-REGIONAL TRNG.	REID TECHNIQUE - SCARRY	400.00
101-24210-51652	TRAINING AND MEETINGS	YOUNG, ADAM	CHILD SEAT RECERTIFICATION - YOUNG	55.00

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101-24210-51652	TRAINING AND MEETINGS	ITEA San Franci	ITEA CONCERFENCE - HEER	175.00
101-24210-51652	TRAINING AND MEETINGS	SAFE KIDS WORLDWIDE	FROST CHILD SEAT RECERTIFICATION	55.00
101-24210-52111	OTHER PROFESSIONAL SVCS	LC HEALTH DEPT-ANIMAL CARE & CONTRL	HOUSING - 2 CATS	70.00
101-24210-52111	OTHER PROFESSIONAL SVCS	MOTOROLA SOLUTIONS, INC	STARCOM RADIO FEES - OCT	1,530.00
101-24210-52204	OTHER LEGAL	ALBARRAN, LUIS	LOCAL PROSECUTOR FEES - SEP	6,666.67
101-24210-52703	MAINT-VEHICLES	RACEWAY CAR WASH INC	SQUAD CAR WASHES	416.50
101-24210-52704	MAINT-EQUIPMENT	F.L. WALZ INC	PORTABLE SCALES CALIBRATION	3,410.00
101-24210-52704	MAINT-EQUIPMENT	IL DEPT OF AGRICULTURE	POSTABLE SCALE CALIBRATION	800.00
101-24210-52704	MAINT-EQUIPMENT	ULTRA STROBE COMMUNICATIONS INC	HAND HELD RADAR CALIBRATIONS	420.00
101-24210-53209	UNIFORMS	ENTENMANN-ROVIN COMPANY	NEW BADGE SETS	1,569.90
101-24210-53209	UNIFORMS	ENTENMANN-ROVIN COMPANY	NEW SRO BADGE WALLET	54.50
101-24210-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	SHIRT - GAFFNEY	56.09
101-24210-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	SHIRTS - STRUGA	117.27
101-24210-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	POLO - MAHANNA	44.54
101-24210-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	SALOMON SHOES - KOURTEV	179.95
101-24210-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	RETURN SALOMON SHOES - KOURTEV	(179.96)
101-24210-53209	UNIFORMS	LONSKI, ANGELA	EAR WARMER	28.20
101-24210-53209	UNIFORMS	LONSKI, ANGELA	PANTS, COLD GEAR, TOURNIQUET, SEATBELT	286.74
101-24210-53209	UNIFORMS	RAY O'HERRON COMPANY INC.	CARGO PANTS - BRADSTREET	384.95
101-24210-53209	UNIFORMS	STRUGA, PRZEMYSLAW	PANTS	374.47
101-24210-53209	UNIFORMS	YOUNG, ADAM	FLASHLIGHT	112.30
		Total For Dept 24210 POLICE OPERATIONS		17,062.12
Dept 24230 POLICE CRIME PREVENTION				
101-24230-51652	TRAINING AND MEETINGS	NORTHEAST MULTI-REGIONAL TRNG.	ADV REID INTERVIEWS - VANACKER	125.00
101-24230-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	POLOS - WITT	101.70
101-24230-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	POLO - WITT	54.50
101-24230-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	BACKPACK, GLOVES, BELT, POLOS - WITT	324.17
101-24230-53209	UNIFORMS	GALL'S PARENT HOLDINGS LLC	RETURN POLOS - WITT	(68.00)
101-24230-53209	UNIFORMS	PILASKI, GREG	PANTS, SHIRTS, TIE	307.02
101-24230-53211	OTHER SUPPLIES	AMAZON.COM SALES, INC	TRI-POD BAG FOR CID	14.50
101-24230-53211	OTHER SUPPLIES	AMAZON.COM SALES, INC	DVD'S FOR CID	24.99
101-24230-53211	OTHER SUPPLIES	SIRCHIE	EVIDENCE BAGS	152.76
		Total For Dept 24230 POLICE CRIME PREVENTION		1,036.64
Dept 25001 FIRE ADMINISTRATION				
101-25001-51651	LICENSING/CERTIFICATIONS	PAYPAL *ILLINOISSOC 402-935-7	HEALTH AND SAFETY OFFICER - HEDQUIST	350.00
101-25001-52111	OTHER PROFESSIONAL SVCS	ESO SOLUTIONS, INC	RECORD MANAGEMENT SYSTEM - FIRE DEPARTMENT	780.00

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101-25001-52118	SOFTWARE MAINTENANCE	PPL*BEACHBODY FITNESS 800-998-1	FITNESS SUBSCRIPTION	119.88
101-25001-52203	LABOR ATTORNEY	CLARK HILL PLC	LEGAL SERVICES - AUG 2022	319.50
101-25001-52701	MAINT-BLDGS & GROUNDS	FIRST GLOBAL HVAC LLC	ICE MACHINE MAINTENANCE	299.00
101-25001-53203	TELEPHONE & DATA SVCS	PEERLESS NETWORK INC	ANALOG LINES - JULY 2022	28.31
101-25001-53203	TELEPHONE & DATA SVCS	PEERLESS NETWORK INC	ANALOG LINES - OCT 2022	125.10
101-25001-53204	CELL PHONES & PAGERS	AT & T	CELL PHONES - FIRE - SEP 2022	36.81
101-25001-53206	POSTAGE & SHIPPING	FEDERAL EXPRESS CORPORATION	SHIPPING FEES - STANG INDUSTRIES	54.35
101-25001-53206	POSTAGE & SHIPPING	UNITED PARCEL SERVICE INC	SHIPPING COSTS	80.94
101-25001-53209	UNIFORMS	ON TIME EMBROIDERY, INC	NEW HIRE UNIFORM - DAHL	108.00
101-25001-53209	UNIFORMS	ON TIME EMBROIDERY, INC	NEW HIRE UNIFORMS - PORTILLO	108.00
101-25001-53209	UNIFORMS	ON TIME EMBROIDERY, INC	NAMEPLATE, TROUSERS - MURRAY	100.00
101-25001-53209	UNIFORMS	ON TIME EMBROIDERY, INC	SHIRTS, CAP - MICHEHL	112.00
101-25001-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	PAPER TOWELS, MOPS, FILTERS, CLEANERS - ST. 4	255.69
101-25001-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	ALUMINUM FOIL, TRASH BAG, TOILET CLEANER - ST. 3	164.84
101-25001-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	DETERGENT, GLASS CLEANER - ST. 1	69.42
101-25001-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	DETERGENT - ST. 2	55.05
101-25001-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	PAPER TOWELS, Z FOLDS, TRASH BAGS, CLEANERS - ST. 3	611.47
101-25001-54305	EMPLOYEE EXAMS	LAKE ZURICH COMMUNITY UNIT	FF/PM TESTING - CAFETERIA	262.50
101-25001-54305	EMPLOYEE EXAMS	SPROW, JENNIFER	REIMBURSEMENT - DINNER FOR COMMISSIONERS	51.81
101-25001-56601	CAPITAL LEASE	TOSHIBA FINANCIAL SERVICES	FIRE & PD - COPIER LEASE - OCT	164.73
101-25001-56601	CAPITAL LEASE	TOSHIBA FINANCIAL SERVICES	FIRE & CS - COPIER LEASE	119.50
Total For Dept 25001 FIRE ADMINISTRATION				4,376.90
Dept 25310 FIRE EMERGENCY MANAGEMENT				
101-25310-53211	OTHER SUPPLIES	GRAINGER	STATION SIGNS - SAFETY SIGNS (3)	24.96
101-25310-53211	OTHER SUPPLIES	GRAINGER	STATION SIGNS - ADMITTANCE SIGN	4.86
101-25310-53211	OTHER SUPPLIES	GRAINGER	STATION SIGNS - NOTICE SIGNS	32.13
101-25310-53211	OTHER SUPPLIES	HOME DEPOT CREDIT SERVICES	DIGITAL TOWER - ST.1	99.00
Total For Dept 25310 FIRE EMERGENCY MANAGEMENT				160.95
Dept 25320 FIRE FIRE SUPPRESSION				
101-25320-52111	OTHER PROFESSIONAL SVCS	MOTOROLA SOLUTIONS, INC	FIRE STARCOM FEES - OCT	1,512.00
101-25320-52707	MAINT-OTHER	AIR ONE EQUIPMENT INC	AIR TEST	140.00
101-25320-52707	MAINT-OTHER	HON*ANALYTICS INC. 847-955-8	SCBA TEST BENCH ANNUAL CALIBRATION	950.00
101-25320-53209	UNIFORMS	FIREGROUND SUPPLY	HAIX BLACK EAGLE SAFETY - 12M	216.93
101-25320-53209	UNIFORMS	FIREGROUND SUPPLY	5 SETS OF LION TURNOUT GEAR	24,606.15
101-25320-53210	SMALL TOOLS & EQUIP	MUNICIPAL EMERGENCY SERVICES, INC	RAPID ATTACK MONITOR, BELL SWIVEL ADAPTER, NOZZLE	6,005.82
101-25320-53211	OTHER SUPPLIES	HAWTHORN GARDENS HAWTHORN W	STRAW FOR LIVE FIRE TRAINING	51.32

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101-25320-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	REHAB SUPPLIES - TRAIL MIX	29.95
101-25330-53211	OTHER SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	CERTIFICATE FRAMES	54.92
Total For Dept 25320 FIRE FIRE SUPPRESSION				33,567.09
Dept 25330 FIRE EMS				
101-25330-51651	LICENSING/CERTIFICATIONS	CORNELL, SPENCER	PARAMEDIC LICENSE REIMBURSEMENT	40.00
101-25330-51652	TRAINING AND MEETINGS	CAREER TRACK INC.	AVOID BAD COMMUNICATION SEMINAR - HOHS	199.00
101-25330-51653	BOOKS & PUBLICATIONS	NORTHWEST COMMUNITY HOSPITAL	NEW NWCEMSS SOP BOOKLETS 2022	553.84
101-25330-52111	OTHER PROFESSIONAL SVCS	ANDRES MEDICAL BILLING	AMBULANCE FEES - SEP 2022	3,602.95
101-25330-53211	OTHER SUPPLIES	AMERICAN GASES CORP	OXYGEN RENTAL	67.85
101-25330-53211	OTHER SUPPLIES	HENRY SCHEIN EMS	ASSORTED SPLINTS	29.84
101-25330-53211	OTHER SUPPLIES	HENRY SCHEIN EMS	ASSORT SPLINTS, MEGA MOVER, DRUG SEALS, HI/LO SOL	595.98
101-25330-53211	OTHER SUPPLIES	STRYKER SALES CORPORATION	LIFEPAK 15 MONITOR (YEAR 2 OF 5 YEAR PURCHASE PLAN)	6,885.87
Total For Dept 25330 FIRE EMS				11,975.33
Dept 25340 FIRE SPECIAL RESCUE				
101-25340-51652	TRAINING AND MEETINGS	FIRE INVESTIGATOR STRIKE FORCE	SEMINAR FEE FOR 1 ATTENDEE	35.00
101-25340-51652	TRAINING AND MEETINGS	IL FIRE CHIEFS ASSOCIATION	ADVANCED FIRE OFFICER - KEMPF	1,000.00
101-25340-51652	TRAINING AND MEETINGS	LAKE COUNTY EMERGENCY PLANNING COMM	LCEPC TRAINING SEMINAR - KLEINHEINZ	50.00
101-25340-52707	MAINT-OTHER	DJ'S SCUBA LOCKER, INC	DIVE MAINTENANCE ON EQUIPMENT	5,191.91
101-25340-55254	MACHINERY & EQUIPMENT	ROCK-N-RESCUE	11MM ROPE PART OF ROPE REPLACEMENT PROGRAM	1,320.00
Total For Dept 25340 FIRE SPECIAL RESCUE				7,596.91
Dept 25350 FIRE FIRE PREVENTION BUREAU				
101-25350-51652	TRAINING AND MEETINGS	NORTHERN IL FIRE INSPECTORS ASSOC	CONFERENCE ATTENDANCE - KLEINHEINZ	100.00
101-25350-51654	MEMBERSHIPS & SUBSCRIP	NATIONAL FIRE PROTECTION ASSN.	2023 MEMBERSHIP	175.00
Total For Dept 25350 FIRE FIRE PREVENTION BUREAU				275.00
Dept 28001 COMMUNITY DEVELOPMENT ADMINISTRATION				
101-28001-52111	OTHER PROFESSIONAL SVCS	LAKE COUNTY TREASURER	SEPTEMBER 2022 BUILDING SERVICES	15,905.76
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	242 MARK LN	52.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	JANKE SUBDIVISION	357.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	454 N OLD RAND RD	315.00
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	AVERY RIDGE SUBDIVISION - HOUSELINE	250.00

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101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	OAKWOOD BEACH HOA	1,282.75
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	255 QUENTIN RD - HERITAGE CHURCH	537.00
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	650 S RAND RD	393.75
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	166 PARKWAY AVE	62.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	BLDG PERMIT REVIEW '22	4,391.25
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	710 N OLD RAND RD	89.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	17 S OLD RAND RD	642.00
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	572 W MAIN ST	89.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	1110 HONEY LAKE RD	404.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	SEC US 12 & N OLD RAND DEVOLPMENT	2,849.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	WILDWOOD ESTATES	1,562.00
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	SCHOOL DIST 95 PROJECTS	902.25
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	115 OAKWOOD	89.50
101-28001-52113	ENGR/ARCHITECTURAL	MANHARD CONSULTING LTD	1 GOLFVIEW	677.00
101-28001-52604	SWEEEPING & MOWING	MILIEU DESIGN LLC	VIOLATION MOWING - SEP	137.50
Total For Dept 28001 COMMUNITY DEVELOPMENT ADMINISTRATION				30,991.26
Dept 36001 PUBLIC WORKS ADMINISTRATION				
101-36001-51651	LICENSING/CERTIFICATIONS	CREECH, SHAWN	CDL REIMBURSEMENT CREECH	5.00
101-36001-51652	TRAINING AND MEETINGS	ACT*Mundelein Parks 847-56606	APWA LAKE BRANCH MEETING	35.00
101-36001-51652	TRAINING AND MEETINGS	EB 2021 VIRTUAL DEICI 801-413-7	PW DEICING TRAINING	50.00
101-36001-52111	OTHER PROFESSIONAL SVCS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-20	32.76
101-36001-52111	OTHER PROFESSIONAL SVCS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-27	32.76
101-36001-52111	OTHER PROFESSIONAL SVCS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-13	32.76
101-36001-52701	MAINT-BLDGS & GROUNDS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-20	53.33
101-36001-52701	MAINT-BLDGS & GROUNDS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-27	53.33
101-36001-52701	MAINT-BLDGS & GROUNDS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-13	53.33
101-36001-52701	MAINT-BLDGS & GROUNDS	ECO CLEAN MAINTENANCE INC	CLEANING SVC - OCT	3,743.00
101-36001-52701	MAINT-BLDGS & GROUNDS	MARTIN ENTERPRISES HEATING/AIR COND	PD WATER HEATER ANODES	846.00
101-36001-52701	MAINT-BLDGS & GROUNDS	METRO DOOR & DOCK, INC	505 WEST DOOR CABLE	400.00
101-36001-52701	MAINT-BLDGS & GROUNDS	SMITHEREEN PEST MANAGEMENT SERVICES	PD PEST CONTROL - FEB 2022 SERVICE NOT PROVIDED	(93.00)
101-36001-53209	UNIFORMS	ARLINGTON POWER EQUIPMENT	FORESTRY HELMET	82.95
101-36001-53209	UNIFORMS	ARLINGTON POWER EQUIPMENT	FORESTRY HELMETS	165.90
101-36001-53211	OTHER SUPPLIES	FASTENAL COMPANY	BANDING	265.94
101-36001-53211	OTHER SUPPLIES	HOME DEPOT CREDIT SERVICES	CHRISTMAS STORAGE CONTAINERS	125.94
101-36001-53211	OTHER SUPPLIES	AMAZON.COM SALES, INC	BINDERS	122.31
101-36001-53404	RIGHT OF WAY SUPPLIES	NAC SUPPLY, INC	TRAFFIC PAINT	236.25



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101-36001-53405	BLDG & GROUNDS SUPPLIES	AMAZON.COM SALES, INC	BALLASTS	146.00
101-36001-53405	BLDG & GROUNDS SUPPLIES	AMAZON.COM SALES, INC	WATER FILTERS	584.88
101-36001-53405	BLDG & GROUNDS SUPPLIES	HOME DEPOT CREDIT SERVICES	DOOR CLOSER	86.30
101-36001-53405	BLDG & GROUNDS SUPPLIES	HOME DEPOT CREDIT SERVICES	NEMA PLUG	24.96
101-36001-53405	BLDG & GROUNDS SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	PD RTU POWER BELTS	97.45
101-36001-53407	EQUIP MAINT PART&SUPPLIE	DULTMEIER SALES LLC	LIQUID DEICER FITTINGS	299.97
101-36001-53407	EQUIP MAINT PART&SUPPLIE	HOME DEPOT CREDIT SERVICES	PIPE CLAMPS	44.16
101-36001-54305	EMPLOYEE EXAMS	NORTHWEST COMMUNITY HOSPITAL	DOT TESTING - AUG	270.00
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				7,797.28
Dept 36420 PUBLIC WORKS PARK MAINTENANCE				
101-36420-52701	MAINT-BLDGS & GROUNDS	ANDERSON PEST SOLUTIONS	BUFFALO CREEK PEST CONTROL - NOV	70.20
101-36420-52701	MAINT-BLDGS & GROUNDS	ANDERSON PEST SOLUTIONS	PAULUS PK PEST CONTROL - NOV	73.05
101-36420-52701	MAINT-BLDGS & GROUNDS	ECO CLEAN MAINTENANCE INC	CLEANING SVC - OCT	2,340.55
101-36420-52701	MAINT-BLDGS & GROUNDS	FSS TECHNOLOGIES, INC	BARN BURGLAR SYSTEM	995.00
101-36420-52701	MAINT-BLDGS & GROUNDS	MARTIN ENTERPRISES HEATING/AIR COND	BCB AC UNITS	12,708.00
101-36420-52701	MAINT-BLDGS & GROUNDS	THOMPSON ELEVATOR INSP SERVICE INC	BARN ELEVATOR INSPECTION CERT	25.00
101-36420-53201	ELECTRICITY	COMMONWEALTH EDISON	200 S RAND RD	81.73
101-36420-53201	ELECTRICITY	COMMONWEALTH EDISON	WICKLOW	23.46
101-36420-53202	NATURAL GAS	NICOR GAS COMPANY	BEV PAV - SEP'22	160.81
101-36420-53405	BLDG & GROUND MAINT SUPP	CITY ELECTRIC SUPPLY	BC IT LINE	69.20
101-36420-53405	BLDG & GROUND MAINT SUPP	CITY ELECTRIC SUPPLY	BC IT LINE	20.44
101-36420-53405	BLDG & GROUND MAINT SUPP	HOME DEPOT CREDIT SERVICES	OUTLETS	23.17
101-36420-53405	BLDG & GROUND MAINT SUPP	HOME DEPOT CREDIT SERVICES	RUBBER BUMPERS	5.90
101-36420-54306	EQUIPMENT RENTAL	RENTAL MAX LLC	CORE DRILL RENTAL	141.12
Total For Dept 36420 PUBLIC WORKS PARK MAINTENANCE				16,737.63
Dept 36471 PUBLIC WORKS FLEET SERVICES				
101-36471-51652	TRAINING AND MEETINGS	HOLIDAY INN EXPRESS INVER GROV	LODGING-WATEROUS	458.32
101-36471-52111	OTHER PROFESSIONAL SVCS	SQ *FOX LAKE WELDING & Spring Gr	PROP REPAIRS	120.00
101-36471-52111	OTHER PROFESSIONAL SVCS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-20	43.26
101-36471-52111	OTHER PROFESSIONAL SVCS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-27	43.26
101-36471-52111	OTHER PROFESSIONAL SVCS	CINTAS CORPORATION #2	UNIFORMS/MATS	43.26
101-36471-52111	OTHER PROFESSIONAL SVCS	MIKE'S TOWING, INC	SAFETY INSPECTIONS	943.00
101-36471-52111	OTHER PROFESSIONAL SVCS	MIKE'S TOWING, INC	SAFETY TEST	35.00
101-36471-52111	OTHER PROFESSIONAL SVCS	MIKE'S TOWING, INC	SAFETY INSPECTIONS	247.00
101-36471-52701	MAINT-BLDGS & GROUNDS	SOURCE NORTH AMERICA 847-36490	FUEL TANK HANDLES	146.64
101-36471-52703	MAINT-VEHICLES	ADVANTAGE AUTO SERVICES INC	WINSHIELD 328	645.00

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101-36471-52703	MAINT-VEHICLES	ALPINE AUTOMOTIVE INC.	ALIGNMENT 330	114.95
101-36471-52703	MAINT-VEHICLES	ALPINE AUTOMOTIVE INC.	ALIGNMENT 331	114.95
101-36471-52703	MAINT-VEHICLES	ALPINE AUTOMOTIVE INC.	ALIGNMENT 334	114.95
101-36471-52703	MAINT-VEHICLES	ALPINE AUTOMOTIVE INC.	ALIGNMENT 112	101.04
101-36471-52703	MAINT-VEHICLES	LIFT WORKS, INC	ANSI INSPECTION	786.07
101-36471-52703	MAINT-VEHICLES	SPRING ALIGN OF PALATINE	ALIGNMENT 325	154.95
101-36471-52703	MAINT-VEHICLES	TEREX USA LLC	BUCKET REPAIRS	1,159.65
101-36471-53206	POSTAGE & SHIPPING	TNK SHIPPING, INC	SHIPPING COSTS	14.56
101-36471-53210	SMALL TOOLS & EQUIP	SNAP-ON INDUSTRIAL	AIR HAMMER REBUILD	145.00
101-36471-53210	SMALL TOOLS & EQUIP	SNAP-ON INDUSTRIAL	PLIERS	68.51
101-36471-53210	SMALL TOOLS & EQUIP	AMAZON.COM SALES, INC	SCREW BITS	13.95
101-36471-53210	SMALL TOOLS & EQUIP	AMAZON.COM SALES, INC	3/8 IMPACT	244.00
101-36471-53211	OTHER SUPPLIES	AMAZON.COM SALES, INC	3/8 IMPACT	22.95
101-36471-53211	OTHER SUPPLIES	AIRGAS USA, LLC	WELDING GAS	161.13
101-36471-53211	OTHER SUPPLIES	HOME DEPOT CREDIT SERVICES	ROPES PD BOAT	67.40
101-36471-53211	OTHER SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	REGULATOR	59.64
101-36471-53406	AUTO PARTS & SUPPLIES	ADAMS STEEL SERVICE & SUPPLY, INC	STEEL TEMPLATE 324	95.00
101-36471-53406	AUTO PARTS & SUPPLIES	CHICAGO PARTS & SOUND LLC	TRANS FILTER	20.93
101-36471-53406	AUTO PARTS & SUPPLIES	CHICAGO PARTS & SOUND LLC	TIE ROD	298.58
101-36471-53406	AUTO PARTS & SUPPLIES	CHICAGO PARTS & SOUND LLC	TIE ROD	78.56
101-36471-53406	AUTO PARTS & SUPPLIES	FASTENAL COMPANY	BOLTS	21.93
101-36471-53406	AUTO PARTS & SUPPLIES	GRAINGER	PLUG	12.72
101-36471-53406	AUTO PARTS & SUPPLIES	HOME DEPOT CREDIT SERVICES	PLUG	12.88
101-36471-53406	AUTO PARTS & SUPPLIES	HOME DEPOT CREDIT SERVICES	BULB	9.97
101-36471-53406	AUTO PARTS & SUPPLIES	HYDRAULIC SERVICES	HOSE, WIRE FITTING	268.04
101-36471-53406	AUTO PARTS & SUPPLIES	LAKESIDE INTERNATIONAL LLC	RADIO	165.70
101-36471-53406	AUTO PARTS & SUPPLIES	LAKESIDE INTERNATIONAL LLC	HARNES	36.10
101-36471-53406	AUTO PARTS & SUPPLIES	MACQUEEN EQUIPMENT, LLC	LIGHT 211	85.98
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	FILTERS	330.17
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	CREDIT-CORE RETURN	(18.00)
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	FILTERS	453.95
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	BRAKE BUTTON	10.25
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	FILTER	61.25
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	WIPER BLADES	189.15
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	CREDIT-CORE RETURN	(36.00)
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	HYDRAULIC FILTERS	457.95
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	PS FILTERS	78.60
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	BATTERY	290.78

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101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	AIR FILTER 438	23.29
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	AIR FILTER 328	23.29
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	FILTERS	85.90
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	WHEEL PAINT	23.34
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	BRAKE ROTORS	483.00
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	HYDRAULIC FILTERS	159.98
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	BATTERY	145.39
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	WHEEL PAINT	23.28
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	FILTERS	202.02
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	HYDRAULIC FILTER	207.98
101-36471-53406	AUTO PARTS & SUPPLIES	MOTOR PARTS & EQUIPMENT CORP	MARKER LIGHT	28.52
101-36471-53406	AUTO PARTS & SUPPLIES	O'REILLY AUTOMOTIVE STORES, INC	BALL JOINT	65.88
101-36471-53406	AUTO PARTS & SUPPLIES	O'REILLY AUTOMOTIVE STORES, INC	TIE ROD 331	150.05
101-36471-53406	AUTO PARTS & SUPPLIES	POMP'S TIRE SERVICE	WHEELS 325	330.00
101-36471-53406	AUTO PARTS & SUPPLIES	POMP'S TIRE SERVICE	TIRES 325	1,396.08
101-36471-53406	AUTO PARTS & SUPPLIES	R.N.O.W., INC	HANDLE 319	84.77
101-36471-53406	AUTO PARTS & SUPPLIES	RUSH TRUCK CENTER	VISOR CLIP	37.22
101-36471-53406	AUTO PARTS & SUPPLIES	RUSH TRUCK CENTER	TIE ROD	258.45
101-36471-53406	AUTO PARTS & SUPPLIES	RUSH TRUCK CENTER	DOOR CUP	44.63
101-36471-53406	AUTO PARTS & SUPPLIES	RUSH TRUCK CENTER	FILTERS	233.52
101-36471-53406	AUTO PARTS & SUPPLIES	WICKSTROM AUTO GROUP, INC	FRONT END PARTS	359.15
101-36471-53406	AUTO PARTS & SUPPLIES	WICKSTROM AUTO GROUP, INC	CREDIT-PARTS RETURN	(63.74)
101-36471-53406	AUTO PARTS & SUPPLIES	AMAZON.COM SALES, INC	LOCK BOX KEYS	11.10
101-36471-53407	EQUIP MAINT PART&SUPPLIE	AMAZON.COM SALES, INC	METAL PREP	71.24
101-36471-53407	EQUIP MAINT PART&SUPPLIE	SONETICS CORPORATION 800-833-4	HEADSET HEAD BAND	64.89
101-36471-53407	EQUIP MAINT PART&SUPPLIE	ALEXANDER EQUIPMENT CO., INC	CLUTCH LEVER	91.25
101-36471-53407	EQUIP MAINT PART&SUPPLIE	ATLAS BOBCAT, LLC	COUPLER	123.25
101-36471-53407	EQUIP MAINT PART&SUPPLIE	ATLAS BOBCAT, LLC	COUPLERS	222.18
101-36471-53407	EQUIP MAINT PART&SUPPLIE	ATLAS BOBCAT, LLC	HYDRAULIC LINES	378.00
101-36471-53407	EQUIP MAINT PART&SUPPLIE	ATLAS BOBCAT, LLC	GLASS	110.74
101-36471-53407	EQUIP MAINT PART&SUPPLIE	DULTMEIER SALES LLC	CREDIT-TAX	(15.85)
101-36471-53407	EQUIP MAINT PART&SUPPLIE	INTERSTATE ALL BATTERY CENTER	BATTERY	30.30
101-36471-53407	EQUIP MAINT PART&SUPPLIE	MOTOR PARTS & EQUIPMENT CORP	CREDIT-CORE RETURN	(162.00)
101-36471-53407	EQUIP MAINT PART&SUPPLIE	MOTOR PARTS & EQUIPMENT CORP	BATTERIES	1,084.56
101-36471-53407	EQUIP MAINT PART&SUPPLIE	MOTOR PARTS & EQUIPMENT CORP	BATTERY	73.77
101-36471-53407	EQUIP MAINT PART&SUPPLIE	MOTOR PARTS & EQUIPMENT CORP	BATTERIES	1,642.48
101-36471-53407	EQUIP MAINT PART&SUPPLIE	STANDARD EQUIPMENT COMPANY	LEADER HOSE	224.68
101-36471-53415	FUELS	AL WARREN OIL CO, INC	FUEL	12,175.75

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101-36471-53415	FUELS	AL WARREN OIL CO, INC	FUEL	10,967.55
101-36471-53418	LUBRICANTS & FLUIDS	MOTOR PARTS & EQUIPMENT CORP	DIFF ADDITIVE	24.22
101-36471-53418	LUBRICANTS & FLUIDS	MOTOR PARTS & EQUIPMENT CORP	OIL	9.98
101-36471-53418	LUBRICANTS & FLUIDS	MOTOR PARTS & EQUIPMENT CORP	OIL	49.07
Total For Dept 36471 PUBLIC WORKS FLEET SERVICES				40,472.09
Dept 67001 RECREATION ADMINISTRATION				
101-67001-53212	PROGRAM SUPPLIES	THE PRESTWICK GROUP, INC	MEMORIAL BENCH- PANOU	1,229.32
101-67001-54301	BANK & CREDIT CARD FEES	PLUG N PAY INC 800-945-2	BANK AND CREDIT CARD FEES	46.20
Total For Dept 67001 RECREATION ADMINISTRATION				1,275.52
Dept 67935 RECREATION DANCE				
101-67935-53211	OTHER SUPPLIES	NIMBLY	RTN - DANCE ATTIRE	(35.00)
101-67935-53211	OTHER SUPPLIES	NIMBLY	RTN - DANCE ATTIRE	(8.04)
101-67935-53211	OTHER SUPPLIES	NIMBLY	RTN - DANCE ATTIRE	(9.37)
101-67935-53211	OTHER SUPPLIES	A.R. REFAEL TRADE LTD TEL AVIV	DANCE LEOS	555.39
101-67935-53211	OTHER SUPPLIES	DISCOUNT DANCE SUPPLY 800-451-5	DANCE LEOS	(143.25)
101-67935-53211	OTHER SUPPLIES	DISCOUNT DANCE SUPPLY 800-451-5	DANCE COSTUMES	4,751.86
101-67935-53211	OTHER SUPPLIES	DISCOUNT DANCE SUPPLY 800-451-5	DANCE LEOS	(355.49)
101-67935-53211	OTHER SUPPLIES	DISCOUNT DANCE SUPPLY 800-451-5	DANCE LEOS	24.80
101-67935-53211	OTHER SUPPLIES	EMPIRE COOLER SERVICE 312-733-3	ICE	250.00
101-67935-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	NAME TAGS	22.98
101-67935-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	RUBBER FLOOR DOTS	23.97
101-67935-53212	PROGRAM SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	PAPER, MAILING LABELS	78.31
Total For Dept 67935 RECREATION DANCE				5,156.16
Dept 67940 RECREATION PRESCHOOL				
101-67940-53212	PROGRAM SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	PAPER, MAILING LABELS	78.30
101-67940-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	PLAYDOH	65.57
101-67940-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	PIRATES	22.95
101-67940-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	BUTCHER PAPER ROLL	87.36
101-67940-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	ROLLING CART	158.19
101-67940-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	NAME TAGS, DISINFECTANT	37.10
101-67940-53212	PROGRAM SUPPLIES	EDUCATION.COM EDUCATION.	CURRICULUM	47.88
101-67940-53212	PROGRAM SUPPLIES	TARGET.COM * 800-591-3	MAGNATILES & SOAP	145.31
101-67940-53212	PROGRAM SUPPLIES	WWW.LAKESHORELEARNING.COM	MAGNATILES	145.54
Total For Dept 67940 RECREATION PRESCHOOL				788.20

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Dept 67945 RECREATION YOUTH PROGRAMS				
101-67945-52115	RECREATION PROGRAM SERVICE	MUSIC IN THE BOX, INC	SUMMER 2 & FALL 1 - MUSIC MASTERS	3,136.50
		Total For Dept 67945 RECREATION YOUTH PROGRAMS		3,136.50
Dept 67965 RECREATION ATHLETICS				
101-67965-52115	RECREATION PROGRAM SERVICE	HOT SHOTS SPORTS	SPORTS - FALL I 2022	4,845.40
101-67965-52115	RECREATION PROGRAM SERVICE	KALLISH, DEACON	SUMMER II GOLF	594.00
101-67965-52115	RECREATION PROGRAM SERVICE	NFRONT ATHLETICS LLC	FALL 1 - YOUTH TRACK & FIELD	387.10
		Total For Dept 67965 RECREATION ATHLETICS		5,826.50
Dept 67970 RECREATION AQUATICS				
101-67970-53209	UNIFORMS	ORIGINAL WATERMEN, INC	WHISTLES	199.95
101-67970-55254	MACHINERY & EQUIPMENT	HOME DEPOT CREDIT SERVICES	MATERIALS FOR BEACH FENCE	314.27
		Total For Dept 67970 RECREATION AQUATICS		514.22
Dept 67985 RECREATION FITNESS				
101-67985-52115	RECREATION PROGRAM SERVICE	SHORT, SUSAN A	SUMMER 2 MEDITATION - 3PARTICIPANTS	179.20
		Total For Dept 67985 RECREATION FITNESS		179.20
<b>Total For Fund 101 GENERAL</b>				<b>217,156.37</b>
<b>Fund 202 MOTOR FUEL TAX</b>				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
202-36001-52701	MAINT-BLDGS & GROUNDS	MEADE, INC	MN STREET SIGNAL MAINT	200.00
202-36001-53201	ELECTRICITY	COMMONWEALTH EDISON	STREETLIGHT ELECTRIC	230.66
202-36001-53201	ELECTRICITY	COMMONWEALTH EDISON	STREETLIGHT ELECTRIC	194.26
202-36001-55253	INFRASTRUCTURE IMPROVEMT	TRAFFIC CONTROL & PROTECTION INC	CUSTOM FILL SIGNS	224.15
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		849.07
<b>Total For Fund 202 MOTOR FUEL TAX</b>				<b>849.07</b>
<b>Fund 207 SPECIAL EVENTS FUND</b>				
Dept 00000				
207-00000-22501	ER - UNDISTRIBUTED LIFE INS	I P B C	IPBC INSURANCE PREMIUM - OCT	4.57
		Total For Dept 00000		4.57

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Dept 67600 RECREATION SPECIAL EVENTS ADMIN				
207-67600-53212	PROGRAM SUPPLIES	SIGNUPGENIUS WWW.SIGNUP	RECREATION SIGN UP - OCT	9.99
207-67600-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	ZIP TIE/SHARPENER	42.63
207-67600-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	BANNER PINS	31.32
Total For Dept 67600 RECREATION SPECIAL EVENTS ADMIN				83.94
Dept 67601 RECREATION ROCK THE BLOCK				
207-67601-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	HOLE PUNCH	109.95
207-67601-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	TENT	169.59
207-67601-53212	PROGRAM SUPPLIES	AMAZON.COM SALES, INC	TAPE, GLOVES	108.91
207-67601-53212	PROGRAM SUPPLIES	CORNER BAKERY CAFE #248	RTB FOOD FOR WORKERS	366.79
207-67601-53212	PROGRAM SUPPLIES	ELEGANT EMBROIDERY INC	RTB TSHIRTS	50.00
207-67601-53212	PROGRAM SUPPLIES	JEWEL #3485 LAKE ZURI	POP & WATER	269.60
207-67601-53212	PROGRAM SUPPLIES	LAKELAND CATERERS INC LAKE ZURI	PIZZA FOR BANDS	269.81
207-67601-53212	PROGRAM SUPPLIES	OFFICE DEPOT	POSTERS	86.37
207-67601-53212	PROGRAM SUPPLIES	SQ *VILLAGE OF LAKE ZU Lake Zuri	TEST TRANSACTION FOR RTB	1.00
207-67601-53212	PROGRAM SUPPLIES	WAL-MART #1404 LAKE ZURI	SNACKS & DRINKS	150.02
207-67601-53212	PROGRAM SUPPLIES	WAL-MART #1404 LAKE ZURI	TENTS	104.98
207-67601-54302	PUBLIC RELATIONS	PADDOCK PUBLICATIONS INC.	ROCK THE BLOCK PROMOTIONS #1695674	1,585.34
Total For Dept 67601 RECREATION ROCK THE BLOCK				3,272.36
Dept 67603 RECREATION FARMERS MARKET				
207-67603-45952	VENDOR FEE	FARMER NICK'S LLC	FRMS MKT DEPOSIT REF - JANOVSKI	50.00
Total For Dept 67603 RECREATION FARMERS MARKET				50.00
Dept 67605 RECREATION WINTER FESTIVAL				
207-67605-52115	RECREATION PROGRAM SERV	ZOOS ARE US, INC	MOM '22 - REINDEER FINAL	1,117.50
Total For Dept 67605 RECREATION WINTER FESTIVAL				1,117.50
Dept 67699 RECREATION MISC SPECIAL EVENTS				
207-67699-53212	PROGRAM SUPPLIES	JEWEL #3485 LAKE ZURI	POP & WATER	40.78
207-67699-53212	PROGRAM SUPPLIES	JIMMY JOHNS # 770 - E 847-726-2	MISC. SPECIAL EVENTS PROG SUPPLIES	41.99
Total For Dept 67699 RECREATION MISC SPECIAL EVENTS				82.77
<b>Total For Fund 207 SPECIAL EVENTS FUND</b>				<b>4,611.14</b>



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<b>Fund 227 DISPATCH CENTER</b>				
Dept 00000				
227-00000-22501	ER - UNDISTRIBUTED LIFE INS	I P B C	IPBC INSURANCE PREMIUM - OCT	81.44
		Total For Dept 00000		81.44
Dept 24220 POLICE DISPATCH				
227-24220-51652	TRAINING AND MEETINGS	NATIONAL ACADEMIES OF 801-363-9	EMD CERTIFICATION - CRENSHAW	80.00
227-24220-53207	PRINTING-STATIONERY/FORM	JUMBOPOSTCARD.COM, INC	KROLL BUSINESS CARDS	25.00
227-24220-53209	UNIFORMS	ELEGANT EMBROIDERY INC	EMROIDERY - CRENSHAW	20.00
227-24220-53209	UNIFORMS	RISICATO DESIGNS LLC	POLOS - CRENSHAW	95.00
		Total For Dept 24220 POLICE DISPATCH		220.00
		<b>Total For Fund 227 DISPATCH CENTER</b>		<b>301.44</b>
<b>Fund 310 TIF #1 DEBT SERVICE</b>				
Dept 10490 GENERAL GOVERNMENT TIF				
310-10490-56604	BOND ISSUE FEES	SPEER FINANCIAL INC	BOND ISSUANCE FEES 2022	5,000.00
		Total For Dept 10490 GENERAL GOVERNMENT TIF		5,000.00
		<b>Total For Fund 310 TIF #1 DEBT SERVICE</b>		<b>5,000.00</b>
<b>Fund 401 VILLAGE CAPITAL PROJECTS</b>				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
401-36001-55251	LAND IMPROVEMENTS	HOME DEPOT CREDIT SERVICES	PROMENADE DECK LUMBER	71,705.70
401-36001-55251	LAND IMPROVEMENTS	PATRIOT PAVEMENT MAINTANENCE	2022 SEALCOATING	22,546.40
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		94,252.10
Dept 36470 PUBLIC WORKS STORM WATER CONTROL				
401-36470-55253	INFRASTRUCTURE IMPROVEMT	LAKE COUNTY STORMWATER MGMT	REVIEW FEE - BRISTOL TRAILS BUFFALO CREEK	901.50
		Total For Dept 36470 PUBLIC WORKS STORM WATER CONTROL		901.50
		<b>Total For Fund 401 VILLAGE CAPITAL PROJECTS</b>		<b>95,153.60</b>

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<b>Fund 405 NHR CAPITAL PROJECTS</b>				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
405-36001-53416	CONCRETE & ASPHALT	PETER BAKER & SON COMPANY	COLD PATCH	1,088.10
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				1,088.10
<b>Total For Fund 405 NHR CAPITAL PROJECTS</b>				<b>1,088.10</b>
<b>Fund 501 WATER &amp; SEWER</b>				
Dept 00000				
501-00000-21455	LC CONNECTION FEE PAYABLE	LAKE COUNTY PUBLIC WORKS DEPT	LC CONNECTION - 1265 COUNTRY CLUB RD	4,030.00
501-00000-21455	LC CONNECTION FEE PAYABLE	LAKE COUNTY PUBLIC WORKS DEPT	LC CONNECTION FEE - 1077 DANVERA LN	4,030.00
501-00000-22501	ER - UNDISTRIBUTED LIFE INS	I P B C	IPBC INSURANCE PREMIUM - OCT	88.05
Total For Dept 00000				8,148.05
Dept 36001 PUBLIC WORKS ADMINISTRATION				
501-36001-51652	TRAINING AND MEETINGS	AMERICAN 0012334637707 FORT WORT	BAGGAGE FEE	30.00
501-36001-51652	TRAINING AND MEETINGS	AMERICAN 0012334637707 FORT WORT	BAGGAGE FEE	30.00
501-36001-51652	TRAINING AND MEETINGS	EMBASSY SUITES CHARLOTTE	HOTEL PWX 2022	1,376.10
501-36001-51652	TRAINING AND MEETINGS	UBER TRIP HELP.UBER.	AIRPORT SHUTTLE TO OHARE	118.22
501-36001-51652	TRAINING AND MEETINGS	UBER TRIP HELP.UBER.	AIRPORT SHUTTLE NC	33.20
501-36001-51654	MEMBERSHIPS & SUBSCRIP	J U L I E INC.	ANNUAL (2022) MEMBERSHIP ASSESSMENT	3,085.81
501-36001-52201	VILLAGE ATTORNEY	KLEIN THORPE & JENKINS	LEGAL SERVICES - SEP 2022	583.30
501-36001-53203	TELEPHONE & DATA SVCS	LINGO TELECOM LLC	ANALOG LINES - OCT 2022	312.00
501-36001-53203	TELEPHONE & DATA SVCS	PEERLESS NETWORK INC	ANALOG LINES - JULY 2022	19.49
501-36001-53203	TELEPHONE & DATA SVCS	PEERLESS NETWORK INC	ANALOG LINES - OCT 2022	86.12
501-36001-53208	OFFICE SUPPLIES	RUNCO OFFICE SUPPLY & EQUIPMENT CO.	WHITE OUT, PENS, POST IT, CALENDARS	123.05
501-36001-53209	UNIFORMS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-20	37.22
501-36001-53209	UNIFORMS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-27	39.56
501-36001-53209	UNIFORMS	CINTAS CORPORATION #2	UNIFORMS/MATS 10-13	37.22
501-36001-53209	UNIFORMS	CUTLER WORKWEAR	WINTER OUTERWEAR-RODGERS	277.17
501-36001-53209	UNIFORMS	CUTLER WORKWEAR	WINTER OUTERWEAR-HUBER	281.67
501-36001-53209	UNIFORMS	REDWING BUSINESS ADVANTAGE A/CS	SAFETY WORK BOOTS/HUBER	200.00
501-36001-53209	UNIFORMS	ROGERS, JAMES	REIMBURSE PRESCRIPTION SAFETY GLASSES - ROGERS	100.90
501-36001-54305	EMPLOYEE EXAMS	NORTHWEST COMMUNITY HOSPITAL	DOT TESTING - AUG 2022	165.00
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				6,936.03

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Dept 36550 PUBLIC WORKS WATER SERVICE				
501-36550-52111	OTHER PROFESSIONAL SVCS	WATERLY LLC	DATA COLLECTION SERVICE/ANNUAL SUBSCRIPTION	5,400.00
501-36550-52606	SYSTEM(S) INSPECTIONS	INTL FIRE EQUIPMENT	CORRECTION OF BILLING ERROR	0.07
501-36550-52607	WATER SAMPLE ANALYSIS	SUBURBAN LABORATORIES, INC.	WATER SAMPLE ANALYSIS - OCT	1,402.75
501-36550-52704	MAINT-EQUIPMENT	BATTERIES PLUS HOLDING CORP	UPS BATTERIES	95.08
501-36550-52704	MAINT-EQUIPMENT	GRAINGER	REPLACEMENT UPS FOR SCADA PANELS	356.96
501-36550-52704	MAINT-EQUIPMENT	TNK SHIPPING, INC	SHIP CHRGS/RETURN THERMOCOUPERS TO E2 COMPLY	24.94
501-36550-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	WELL #10	3,596.05
501-36550-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	WELL #7	2,545.12
501-36550-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	WELL #8	3,802.28
501-36550-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	WELL #9	2,364.52
501-36550-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	WELL #11	71.23
501-36550-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	WELL #12	3,332.19
501-36550-53202	NATURAL GAS	NICOR GAS COMPANY	NATURAL GAS - WELLS/WTPS #12	150.48
501-36550-53202	NATURAL GAS	NICOR GAS COMPANY	NATURAL GAS - WELL #7	185.92
501-36550-53202	NATURAL GAS	NICOR GAS COMPANY	NATURAL GAS - WELL #8	199.43
501-36550-53202	NATURAL GAS	NICOR GAS COMPANY	NATURAL GAS - WELL #9	175.72
501-36550-53210	SMALL TOOLS & EQUIP	HOME DEPOT CREDIT SERVICES	MAGNETIC LEVELS & DUCT TAPE	61.82
501-36550-53210	SMALL TOOLS & EQUIP	USA BLUEBOOK	LIFT STATION FLOAT SWITCH, ROUNDSLING, TILE PROBE	331.80
501-36550-53211	OTHER SUPPLIES	PRO-SAFETY, INC	JULIE MARKING PAINT	486.00
501-36550-53407	EQUIP MAINT PART&SUPPLIE	SES	CHLORINATION EQUIPMENT PARTS	9,408.36
501-36550-53413	DISTRIBUTION SYS REPAIR	HOME DEPOT CREDIT SERVICES	B-BOX PARTS	96.06
501-36550-53413	DISTRIBUTION SYS REPAIR	JOSEPH D FOREMAN & COMPANY, INC	B-BOXES, EXTENSION & ADAPTERS	553.00
501-36550-53413	DISTRIBUTION SYS REPAIR	JOSEPH D FOREMAN & COMPANY, INC	CURB (CURTAIN) DRAIN REPAIR/CORAL REEF HYDRANT REP	76.00
501-36550-53413	DISTRIBUTION SYS REPAIR	VOLLMAR CLAY PRODUCTS CO	CUBA RD VALVE VAULT ADJUSTMENT	200.00
501-36550-53414	CHEMICALS	MIDWEST SALT LLC	BULK WTR COND SALT - WELL #9	2,674.55
501-36550-53414	CHEMICALS	MIDWEST SALT LLC	BULK WTR COND SALT - WELL #10	2,715.62
501-36550-53414	CHEMICALS	MIDWEST SALT LLC	BULK WTR COND SALT - WELL #8	2,414.44
501-36550-53414	CHEMICALS	MIDWEST SALT LLC	BULK WTR COND SALT - WELL #12	2,659.62
501-36550-55252	BLDG & BLDG IMPROVEMENTS	HOME DEPOT CREDIT SERVICES	UTILITY SHED/WELL 8	1,492.71
		Total For Dept 36550 PUBLIC WORKS WATER SERVICE		46,872.72
Dept 36560 PUBLIC WORKS SEWER SERVICE				
501-36560-52111	OTHER PROFESSIONAL SVCS	BAXTER & WOODMAN, INC	2022 PRETREATMENT ASSISTANCE	2,838.13
501-36560-52111	OTHER PROFESSIONAL SVCS	BAXTER & WOODMAN, INC	INDUST MONITORING SUPPORT SVRS 8/15-9/13	1,777.50
501-36560-52111	OTHER PROFESSIONAL SVCS	METROPOLITAN INDUSTRIES INC.	METROCLOUD MONITORING/11 LIFT STATIONS	360.00

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501-36560-52111	OTHER PROFESSIONAL SVCS	STATE INDUSTRIAL PRODUCTS CORP	HYDROGEN SULFIDE REDUC PROG - QUENTIN & NW PUMP	5,000.00
501-36560-52607	WATER SAMPLE ANALYSIS	FIRST ENVIRONMENTAL LABORATORIES, I	WASTEWATER SAMPLE ANALYSIS - QUENTIN RD	438.00
501-36560-52708	MAINT-PUMPS	METROPOLITAN INDUSTRIES INC.	CHURCH ST LIFT PUMP REPAIR	12,183.00
501-36560-53201	ELECTRICITY	COMMONWEALTH EDISON	ELECTRICITY- VACUUM PRIMING STRUCTURES	26.49
501-36560-53201	ELECTRICITY	COMMONWEALTH EDISON	ELECTRICITY- FLOW CONTROL	46.62
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 750 N RAND RD	627.77
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 90 S PLEASANT RD	53.43
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1297 BERKSHIRE LN	103.80
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 825 W MAIN ST	174.58
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1115 BETTY DR	25.43
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1080 HONEY LAKE RD	31.76
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 719 CYPRESS BRIDGE RD	33.39
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1150 DEERPATH RD	34.67
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 90 S PLEASANT RD	62.91
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1115 BETTY DR	25.03
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1297 BERKSHIRE LN	121.46
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1160 BRISTOL TRAIL	100.70
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 700 OLD MILL GROVE	47.17
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 719 CYPRESS BRIDGE	36.61
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 620 CHURCH ST	173.40
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1150 DEERPATH RD	39.54
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 61 W MAIN ST	39.93
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 750 N RAND RD	731.65
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 825 W MAIN ST	255.02
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1100 QUENTIN RD	561.58
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1080 HONEY LAKE RD	30.60
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1160 THORNDALE LN	145.17
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 1005 MARCH ST	126.52
501-36560-53201	ELECTRICITY	CONSTELLATION NEW ENERGY, INC.	LIFT/PUMP STATION - 805 CHURCH ST	22.98
501-36560-53210	SMALL TOOLS & EQUIP	GRAINGER	ANEMOMETER FOR PORTABLE VENTILATORS OUTPUT	60.49
501-36560-53210	SMALL TOOLS & EQUIP	HOME DEPOT CREDIT SERVICES	REPLACEMENT WET/DRY VAC	169.00
501-36560-53210	SMALL TOOLS & EQUIP	USA BLUEBOOK	LIFT STATION FLOAT SWITCH, ROUNDSLING, TILE PROBE	81.90
501-36560-53211	OTHER SUPPLIES	HOME DEPOT CREDIT SERVICES	MAGNETIC LEVELS & DUCT TAPE	27.92
501-36560-53408	LIFT STATION PARTS & SUP	USA BLUEBOOK	LIFT STATION FLOAT SWITCH, ROUNDSLING, TILE PROBE	488.85
501-36560-55254	MACHINERY & EQUIPMENT	VORTEX TECHNOLOGIES INC.	REPLACEMENT FLOW METER/RSR (HONEY LAKE) LIFT ST	3,800.00
501-36560-55254	MACHINERY & EQUIPMENT	VORTEX TECHNOLOGIES INC.	REPLACEMENT FLOW METER/RSR LIFT ST./SHIP CHR	37.46

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501-36560-55254	MACHINERY & EQUIPMENT	XLEM WATER SOLUTIONS USA, INC	RSR LIFT STATION REPLACEMENT PUMPS/WILDWOOD EST	1,496.00
501-36560-55254	MACHINERY & EQUIPMENT	XLEM WATER SOLUTIONS USA, INC	PUMP REPLACEMENT - QUENTIN/NW PUMP STATIONS	84,147.00
501-36560-55254	MACHINERY & EQUIPMENT	XLEM WATER SOLUTIONS USA, INC	PUMP REPLACEMENT - QUENTIN/NW PUMP STATIONS	50,669.10
Total For Dept 36560 PUBLIC WORKS SEWER SERVICE				167,252.56
<b>Total For Fund 501 WATER &amp; SEWER</b>				<b>229,209.36</b>
<b>Fund 601 MEDICAL INSURANCE</b>				
Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				
601-10001-52340	MEDICAL ADMIN FEE	BASIC	COBRA PLAN - OCT 2022	102.00
601-10001-52340	MEDICAL ADMIN FEE	BASIC	FSA PLAN - OCT 2022	106.95
601-10001-52341	HEALTH INS. FIXED COSTS	I P B C	IPBC INSURANCE PREMIUM - OCT 2022	223,430.43
601-10001-52342	LOCAL 150 HEALTH INS PRE	MIDWEST OPERATING ENG L/150	LOCAL 150 INSURANCE PREMIUM - DEC 2022	42,439.00
Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				266,078.38
<b>Total For Fund 601 MEDICAL INSURANCE</b>				<b>266,078.38</b>
<b>Fund 603 RISK MANAGEMENT</b>				
Dept 00000				
603-00000-22501	ER - UNDISTRIBUTED LIFE INS	I P B C	IPBC INSURANCE PREMIUM - OCT	2.82
Total For Dept 00000				2.82
<b>Total For Fund 603 RISK MANAGEMENT</b>				<b>2.82</b>
<b>Fund 615 EQUIPMENT REPLACEMENT</b>				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
615-36001-55261	VEHICLES - POLICE	AMAZON.COM SALES, INC	FLASHLIGHT 102	120.28
615-36001-55261	VEHICLES - POLICE	SWPS/SOUTHWEST PUBLIC 210-590-9	TRAFFIC LIGHT CONE 102	18.99
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				139.27
<b>Total For Fund 615 EQUIPMENT REPLACEMENT</b>				<b>139.27</b>
<b>Fund 710 PERFORMANCE ESCROW</b>				
Dept 00000				
710-00000-21455	BUILDING DEPOSIT PAYABLES	ABC	BD BOND REF - PERMIT #BBD22-0510	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	ABSOLUTE CONSTRUCTION	BD BOND REF - PERMIT #BBD22*0462	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	AK BUILDERS, INC	BD BOND REF - PERMIT #BBD22-0399	105.00

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710-00000-21455	BUILDING DEPOSIT PAYABLES	ALL RIGHT SIGN	BD BOND REF - PERMIT #BBD21-0066	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	ALOHA CONSTRUCTION INC	BD BOND REF - PERMIT#BBD22-0461	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	AMERICAN NATIONAL SPRINKLE	BD BOND REF - PERMIT #BBD22-0312	1,020.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	CHUCK HALL INSTALLATIONS	BD BOND REF - PERMIT #BBD22-0570	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	COLLIER, CHARLES A & JACQUELINE M	BD PAYMENT REF - PERMIT #PB21-1388	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	COUNTRY CLUB ROAD CONSTRUCTION LLC	BD PAYMENT REF - PERMIT #PB22-0648	241.39
710-00000-21455	BUILDING DEPOSIT PAYABLES	CROWN CASTLE	BD BOND REF - PERMIT #BBD22-0198	155.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	EFRAIM CARLSON AND SON	BD PAYMENT REF - 449 S RAND RD	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	EVANS, LISA	BD BOND REF - PERMIT #BBD22-0464	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	GALLOWAY.MICHAEL J & LYNN SCOPA, TR	BD BOND REF - PERMIT #BBD22-0299	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	GREEN T SERVICES	BD BOND REF - PERMIT #BBD22-0519	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	HOME DEPOT USA INC	BD BOND REF - PERMIT #BBD22-0436	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	HX HOME SOLUTIONS	BD BOND REF - PERMIT #BBD22-0543	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	J C ANDERSON INC	BD BOND REF - PERMIT #BBD22-0497	510.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	KAPITAL ELECTRIC INC	BD BOND REF - PERMIT #BBD22-0427	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	KOCH, JAMES & DARYLL	BD PAYMENT REF - PERMIT #PB22-0648	10,994.48
710-00000-21455	BUILDING DEPOSIT PAYABLES	LAKE COOK EXTERIORS	BD BOND REF - PERMIT #BBD22-0507	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	LAKE COOK EXTERIORS	BD BOND REF - PERMIT #BBD22-0343	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	LANDMARK EXTERIORS	BD BOND REF - PERMIT #BBD22-0611	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	LANDPHAIR, JON	BD BOND REF - PERMIT #BBD22-0385	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	LUXOR BUILDERS	BD PAYMENT REF - PERMIT #PB21-1421	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD BOND REF - PERMIT #BBD22-0170	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD PAYMENT REF - PB22-0026	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD BOND REF - PERMIT #BBD22-0042	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD BOND REF - PERMIT #BBD22-0135	5,000.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD PAYMENT REF - PERMIT #PB21-0139	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD PAYMENT REF - PERMIT #PB21-0139	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD BOND REF - PERMIT #BBD21-0075	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD BOND REF - PERMIT #BBD22-0013	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD PAYMENT REF - PERMIT #PB21-1555	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD BOND REF - PERMIT #BBD21-0007	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	M/I HOMES OF CHICAGO, LLC	BD PAYMENT REF - PERMIT #PB21-1360	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NAT'L LAND DEVELOPMENT	BD PAYMENT REF - PERMIT #PB21-1421	1,125.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0091	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0185	105.00



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710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0186	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0187	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0188	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD PAYMENT REF - PERMIT #PB22-0199	2,890.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD PAYMENT REF - PERMIT #PB22-0200	2,890.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD PAYMENT REF - PERMIT #PB22-0102	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0088	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0089	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD PAYMENT REF - PERMIT #PB22-0103	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD BOND REF - PERMIT #BBD22-0090	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD PAYMENT REF - PERMIT #PB22-0104	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	NVR RYAN HOMES	BD PAYMENT REF - PERMIT #PB22-0105	3,060.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	PERFORMANCE TANK INC	BD BOND REF - PERMIT #BBD21-0057	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	PISICA, ANA & ADRIAN	BD BOND REF - PERMIT #BBD22-0523	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	REGION CONSTRUCTION GROUP	BD PAYMENT REF - PB21-0912	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	SHERMAN, JEFFREY A & NANCY J	BD BOND REF - PERMIT #BBD22-0571	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	SPEAR, JAMES & NANCY	BD BOND REF - PERMIT #BBD22-0383	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	SUNRUN INSTALLATION INC	BD BOND REF - PERMIT #BBD22-0417	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	TOM'S MECHANICAL SYSTEMS INC	BD BOND REF - PERMIT #BBD22-0582	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	TUFF SHED INC	BD BOND REF - PERMIT #BBD22-0542	105.00
710-00000-21455	BUILDING DEPOSIT PAYABLES	TUFF SHED INC	BD BOND REF - PERMIT #BBD22-0496	105.00
710-00000-25502	PEG CABLE FEES	APPLE STORE #R258 DEER PARK	TV+ TESTING	4.99
710-00000-25502	PEG CABLE FEES	APPLE STORE #R258 DEER PARK	VIDEO EQUIPMETN CONFIG FILES	2.99
710-00000-25502	PEG CABLE FEES	AMAZON.COM SALES, INC	CAMERA MONITOR CLAMP	34.60
710-00000-25502	PEG CABLE FEES	BOZIOFF, ADRIAN T	MEDIA CREW - OCT 2022	97.50
710-00000-25502	PEG CABLE FEES	MATTISON, JUSTIN N	MEDIA CREW - OCT 2022	97.50
710-00000-25502	PEG CABLE FEES	VIRGILIO, OLIVIA C	MEDIA CREW - OCT 2022	30.00
		Total For Dept 00000		59,893.45
<b>Total For Fund 710 PERFORMANCE ESCROW</b>				<b>59,893.45</b>
<b>Fund 720 PAYROLL CLEARING</b>				
Dept 00000				
720-00000-22502	PAYROLL PAYABLE	STRUGA, PRZEMYSŁAW	PR10142022 - DIRECT DEPOSIT	2,988.64
720-00000-22253	IMRF W/H	I M R F	PR DEDUCTIONS - SEPT 2022	89,626.72
720-00000-22301	DENTAL / VISION BENEFITS	STANDARD LIFE INSURANCE COMPANY	STANDARD DENTAL INSURANCE - OCT 2022	11,090.32

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720-00000-22301	DENTAL / VISION BENEFITS	VISION SERVICE PLAN OF ILLINOIS NFP	VISION INSURANCE PREMIUM - OCT 2022	1,998.51
720-00000-22403	AFLAC PLANS PAYABLE	AFLAC INC.	AFLAC INSURANCE COVERAGE - SEP 2022	8,617.26
720-00000-22404	SUPPLEMENTAL LIFE INS PAYABLE	I P B C	IPBC INSURANCE PREMIUM - OCT 2022	1,171.93
		Total For Dept 00000		115,493.38
		<b>Total For Fund 720 PAYROLL CLEARING</b>		<b>115,493.38</b>

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<b>Fund Totals:</b>				
			Fund 101 GENERAL	217,156.37
			Fund 202 MOTOR FUEL TAX	849.07
			Fund 207 SPECIAL EVENTS FUND	4,611.14
			Fund 227 DISPATCH CENTER	301.44
			Fund 310 TIF #1 DEBT SERVICE	5,000.00
			Fund 401 VILLAGE CAPITAL PROJECTS	95,153.60
			Fund 405 NHR CAPITAL PROJECTS	1,088.10
			Fund 501 WATER & SEWER	229,209.36
			Fund 601 MEDICAL INSURANCE	266,078.38
			Fund 603 RISK MANAGEMENT	2.82
			Fund 615 EQUIPMENT REPLACEMENT	139.27
			Fund 710 PERFORMANCE ESCROW	59,893.45
			Fund 720 PAYROLL CLEARING	115,493.38
				<hr/>
				994,976.38



*At the Heart of Community*

OFFICE OF THE VILLAGE MANAGER

70 East Main Street  
Lake Zurich, Illinois 60047

(847) 438-5141  
LakeZurich.org

AGENDA ITEM

6C

MEMORANDUM

Date: November 2, 2022  
To: Ray Keller, Village Manager *RK*  
From: Kyle Kordell, Assistant to the Village Manager  
Subject: Employee Spending Authority

**Issue:** Currently, the Village of Lake Zurich Purchasing Manual is where authority is derived for employee spending authorization and purchase limit amounts. The proposed Ordinance transfers this same spending authorization and legal limits into the Village Code as a new section that falls under Title 1 “Administrative”, Chapter 7 “Municipal Finances.”

**Analysis:** No Village employee is permitted to purchase goods or services on behalf of the Village without first seeking approval as outlined below:

<u>Dollar Limits</u>	<u>Required Approval</u>
Less than \$500	Supervisor
\$500 but less than \$5000	Department Director in writing
\$5,000 but less than \$25,000	Department Director and Village Manager in writing
\$25,000 or greater	Department Director, Village Manager and Village Board

Purchases require advance approval of the appropriate Department Director and/or Village Manager in accordance with these guidelines.

At the discretion of the Department Director, approval levels for Supervisors may be increased to an amount not-to-exceed the Department Director’s authority. In addition, any person responsible for approving purchases at any level may delegate their approval authority to a designee in the event they are unavailable to approve purchases.

This describes the process that has been in place for many years at Lake Zurich (20+ years). The proposed Ordinance is not changing this process at all, only formalizing it within the Village Code.

**Recommendation:** Approval of the proposed Ordinance.

## ORDINANCE NO. 2022-11-\_\_\_\_\_



**AN ORDINANCE AMENDING THE LAKE ZURICH MUNICIPAL CODE  
ADMINISTRATIVE SPENDING AUTHORITY**

WHEREAS, the Village of Lake Zurich is authorized under the provisions of the Illinois Municipal Code, including, but not limited to Sections 1-2-1 and 8-1-7, to delegate certain authority to its municipal officials including specified spending and contracting authority; and

WHEREAS, the Board of Trustees has determined that designated, limited delegation of spending and contracting authority to its administration best promotes the efficient and effective operations of the Village; and

WHEREAS, in furtherance of such enhanced efficiency and effective Village operations, the Board of Trustees approves an amendment to the Municipal Code of the Village of Lake Zurich to lawfully delegate limited spending and contracting authority to designated administrative officials.

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Lake Zurich, Lake County, Illinois, as follows:

**SECTION 1: ADOPTION AND INCORPORATION OF RECITALS.** The foregoing recitals and findings are incorporated herein as findings of the President and Board of Trustees and are made a part of and incorporated into this Ordinance.

**SECTION 2: APPROVAL OF AMENDMENTS TO TITLE 9 OF THE VILLAGE MUNICIPAL CODE.** The Board of Trustees, pursuant to the authority vested in it under the laws of the State of Illinois and the Lake Zurich Municipal Code, hereby approves the following amendments to Chapters 7 and 24 of Title 1 of the Lake Zurich Municipal Code, specifically as follows:

- A. An amendment to the provisions of Chapter 7 entitled "Municipal Finances", of Title 1 entitled "Administrative", of the Lake Zurich Municipal Code to add a new Section **"1-7-8 : Fiscal expenditures"** by adding those provisions to the Chapter 7 index, as shown in italics and underscored, to read as set forth below:

## “CHAPTER 7 MUNICIPAL FINANCES

### SECTION:

- 1-7-1: Annual Budget And Budget Officer**
- 1-7-2: Lost Warrants**
- 1-7-3: Special Assessment Funds**
- 1-7-4: Wage Rates For Public Works Employees**
- 1-7-5: Developer Contribution Requirements**
- 1-7-6: Freedom Of Information Act**
- 1-7-7: Non-Sufficient Fund (NSF) Check Fee**
- 1-7-8 : Fiscal expenditures”**

and by adding said new Section 1-7-8 entitled “Fiscal Expenditures” at the end of Chapter 7, to immediately follow current Section 1-7-7 entitled “Non-Sufficient Fund (NSF) Check Fee”, said new Section 1-7-8 to read in its entirety as follows:

### **1-7-8 : FISCAL EXPENDITURES:**

#### **A. The following procedures shall govern the expenditure of Village funds:**

1. Entry into a contract on behalf of the Village or the expenditure of Village funds shall require the formal approval of the Board of Trustees, except as otherwise provided herein.
2. The Village Manager is authorized to enter into contracts or make expenditures for Village services, projects, equipment or operations that do not exceed twenty-five thousand dollars (\$25,000), without the prior approval of the Board of Trustees.
3. All such expenditures, regardless of amount, shall be subject to any limitations imposed by the adoption of a budget or appropriation.
4. No employee of the Village shall enter into any contract nor expend any funds or purchase any goods or services on behalf of the Village without the prior approval of the appropriate Supervisor, Department Director and/or the Village Manager, except as follows:

<b><u>Amount</u></b>	<b><u>Required Approval</u></b>
<u>Less than \$500</u>	<u>Supervisor</u>
<u>\$500 but less than \$5000</u>	<u>Department Director in writing</u>
<u>\$5,000 but less than \$25,000</u>	<u>Department Director and Village Manager in writing</u>
<u>\$25,000 or greater</u>	<u>Department Director, Village Manager and Village Board</u>

**SECTION 3: SEVERABILITY.** If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

**SECTION 4: CONFLICTS.** All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

**SECTION 5: EFFECTIVE DATE.** This Ordinance shall be in full force and effect upon its passage and approval, as provided by law.

PASSED THIS \_\_\_\_\_ day of November, 2022.

Ayes:

Nays:

Absent:

Abstain:

APPROVED this \_\_\_\_\_ day of November, 2022.

\_\_\_\_\_  
Tom Poynton  
Mayor

ATTEST:

\_\_\_\_\_  
Kathleen Johnson  
Village Clerk

537247\_1





*At the Heart of Community*

PUBLIC WORKS DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

AGENDA ITEM

6D

MEMORANDUM

**Date:** October 13, 2022  
**To:** Ray Keller, Village Manager *PK*  
**From:** Steve Schmitt, Utilities Superintendent  
**Copy:** Michael J. Brown, Public Works Director  
**Subject:** Purchase of Additional Bulk Water Conditioning Salt

**Issue:** The Village's 2022 contract with Midwest Salt for bulk water conditioning salt was approved at the January 3, 2022 Village Board meeting for an amount not-to-exceed \$106,000. Due to the increased cost of fuel and associated delivery surcharges this year, the \$106,000 allocation has been completely used requiring authorization for additional purchases under this contract and to exceed the 2022 budget for this commodity in order to meet our needs for the remainder of 2022. Water conditioning salt, purchased in bulk, is used during the regeneration process of the Ion Exchange filter resin at the Village's five water treatment plants.

**Village Strategic Plan:** This agenda item is consistent with the following Goal of the Village Strategic Plan.

- *Infrastructure Investment:* Ensure a sustainable, healthy and economical water source for current and future Lake Zurich residents.

**Analysis:** The FY 2022 budget included \$106,000 for this commodity purchase. Currently, it is estimated that an additional \$40,000 will need to be spent for this commodity purchase in order to meet our needs for the remainder of 2022. Projected savings from other accounts (Electricity, Machinery & Equipment) will offset this overage allowing the water/sewer fund to remain within budget.

**Recommendation:** Approve additional purchases under our current contract with Midwest Salt for the remainder of 2022 not-to-exceed \$40,000.

**W/Attachments:** 2022 Midwest Salt signed Quote # 2133725000051466005





1300 W. Washington St.  
West Chicago, IL 60185  
Phone: 630-513-7875 • Fax: 630-513-8546  
www.MidwestSalt.com

# Quote

Valid Till: Dec 31, 2022

Quote Number: 2133725000051466005

<b>BILL TO:</b> Village of Lake Zurich 505 Teiser Road Lake Zurich, IL 60047		<b>SHIP TO:</b> Village of Lake Zurich 505 Teiser Road Lake Zurich, IL 60047			
Contact Name: Steve Schmitt Contact Phone: 847-540-1698 Ext.8008 Contact Email: steve.schmitt@lakezurich.org Contact Fax: 847-726-2182		Sales Person: Jason Kane Sales Person Phone: 630-208-4434 Sales Person Email: jasonkane@midwestsalt.net Payment Terms: Net 30			
S.No.	Product Details	Qty	Unit Price	Sales Tax	Total
1.	MVP Industrial Southern 888CM Spec Provided.	1100	\$ 116.75	\$ 0.00	\$ 128,425.00
Based on 800-1100 annual tons +/- 50 either side.					
				Tax	\$ 0.00
				Grand Total	\$ 128,425.00

## Terms and Conditions

Deliveries shall be made by Midwest Salt third party carrier to agencies facilities.

Payment Terms are NET 30. The contract price does not include sales tax.

If Buyer is exempt from sales tax, Buyer shall provide MWS with a tax-exempt certificate or a signed IL CRT 61 form.

The product shall have no express or implied warranties, including the IMPLIED WARRANTY OF MERCHANTABILITY and the IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, all of which are hereby excluded. Buyer may inspect the product prior to delivery; however, upon delivery Buyer acknowledges that the product delivered is in all respects accepted. Should Buyer reject the product at the time of inspection, Buyer shall provide MWS with a written notice of rejection via email or personal delivery to the MWS representative listed above, which notice shall apply only to the load inspected and which notice shall specify the reasons for the rejection. The parties agree that rejection of a load does not affect the remaining tonnage subject to this Agreement.

Buyer shall unload and release all transportation vehicles and equipment promptly so that no demurrage or other expenses resulting from delay shall be incurred; however, if any claims or demurrage charges are incurred by reason of any action or inaction by Buyer, then Buyer shall promptly reimburse MWS for such damages.

Buyer shall indemnify, hold harmless, and defend MWS, its employees and agents, from any and all claims and expenses, including its reasonable attorneys' fees, arising out of any claims by any third parties, including but not limited to, claims by Buyer's employees and agents, excepting only claims for intentional misconduct by MWS.

All orders are subject to MWS's ability to make delivery at the time and in the quantities specified herein. MWS shall be excused from performance for any and all reasons beyond its control; however, if all deliveries cannot be made by the date which is 45 days after the last listed date set forth above, Buyer may, at its option, cancel all further deliveries. Notice of cancellation shall be in writing to the MWS representative listed above. Any refunds due shall be paid within seven (7) days of notice from Buyer of such cancellation.

In the event MWS is unable for any reason to supply the total requirements of its customers, MWS may allocate its available supply of the product among its customers in a manner MWS deems fair and reasonable.

In no event shall MWS be liable to Buyer or any third party for any indirect, consequential, incidental, special or exemplary damages. Buyer's actual damages are limited to the amounts actually paid to MWS under this Agreement, regardless of the basis for any such claims for damages.

Any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules and Judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof. Any claims under \$75,000 shall proceed under the AAA Expedited Procedure rules. All claims shall be heard by a single arbitrator, selected pursuant to a list of arbitrators published by the AAA, which shall include as many former judges of the Circuit Court of Cook County, Illinois as are then available. The place of arbitration shall be Chicago, Illinois. The arbitration shall be governed by the laws of the State of Illinois. Each party will, upon written request of the other party, promptly provide the other with copies of all relevant documents. There shall be no other discovery allowed. Time is of the essence for any arbitration under this agreement and arbitration hearings shall take place within 90 days of filing and awards rendered within 120 days. The arbitrator shall agree to these limits prior to accepting appointment. The arbitrator will have no authority to award punitive or other damages not measured by the prevailing party's actual damages limited by the amounts of any payments previously made by Buyer to MWS under this agreement. The arbitrator may determine how the costs and expenses of the arbitration shall be allocated between the parties; however, reasonable attorneys' fees shall be awarded to the prevailing party. Except as may be required by law, neither a party nor an arbitrator may disclose the existence, content, or results of any arbitration hereunder without the prior written consent of both parties.

## Quote Acceptance (bulk salt only):

By Customer: R. Keller

By Midwest Salt: \_\_\_\_\_

Print Name: Ray Keller

Print Name: \_\_\_\_\_

Date: 1/10/22

Date: \_\_\_\_\_



*At the Heart of Community*

COMMUNITY DEVELOPMENT DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

AGENDA ITEM

6E

**MEMORANDUM**

**To:** Ray Keller, Village Manager

**From:** Sarosh Saher, Community Development Director

**CC:** Mary Meyer, Building Services Supervisor  
Tim Verbeke, Planner

**Date:** November 7, 2022

**Re:** **Zoning Variation for a Security Fence at 845 Oakwood Road**

**Issue:** Mr. Will Otter of Sidley Austin, LLC (the "Applicant") on behalf of Commonwealth Edison Company (the "Owners"), and hereinafter referred to as "ComEd," and owners of the property at 845 Oakwood Road (the "Subject Property") is seeking:

- A Variation from Code Section 9-6-10.C.1, Minimum Yards: Front Yard; pursuant to Section 9-6-10.F.8.i allowing for the location of fences, walls, and hedges, in any yard, subject to the limitations of the Lake Zurich municipal code, and to allow for the installation of a gravel apron;
- Section 8-11-1.F.1 Maximum Fence Heights: 1. Front and corner side yards: to allow an expanded metal fence that is a maximum of 8 feet in height; and
- A Variation from Code Section 8-11-1.C.1, Prohibited Fences (only allowed under certain circumstances), to allow a fence with three strands of Y-shaped Barbed wire, based on findings related to security of the Property as a Public Utility for the protection of the public health, safety, or welfare.

**Village Strategic Plan:** This agenda item is consistent with the following objectives under Goal #2 – Development:

- Become more business friendly and customer oriented

**Analysis:** The Subject Property is located within the Village's I Industrial District that provides for certain professional offices and industrial uses. The I Industrial zoning district requires a 35-foot setback for all structures within the front and corner side yard.

ComEd is proposing to install a new a black, expanded metal fence which is 7 feet in height plus 12 inches of "Y"-shaped barbed wire along the northern portion of the property. The fence will

845 Oakwood Road – Variation for a Security Fence  
November 7, 2022

encroach 5 feet into the required 35-foot front yard setback, requiring a variation of the zoning code provisions for front yard setback, and variations of the building code provisions for type (design) and height of fence. ComEd additionally proposes to lay CA-6 gravel to surface the newly fenced-in area between the new northern fence line and the existing control building on the property. The location of the new gravel also requires a variation of the setback requirements of the code.

The requested variations are authorized variations under Section 9-17-3.A.: “Authorized Variations”; Paragraph 1. Yards; Setbacks; Spacing: To reduce the dimension of any required yard, landscaped yard, setback, or building spacing, and to allow structures and uses to be located in any required yard in addition to, and to a greater degree than, those authorized by applicable district regulations.

On the interior of the property, the Applicant is also proposing to install a chain-link fence which is 7 feet tall plus 12 inches of “Y”-shaped barbed wire along the southern, eastern and western fence lines along the property. that portion of the fence will also include five 16-foot-tall posts which support the fence and other security functions, i.e. cameras. The new fence line along the interior portion of the property is located outside of applicable required setbacks and allowed by right.

In conjunction with the new fence installation, ComEd will be implementing the following additional measures:

- i. Replacing the Substation’s existing northwest swinging gate with a motorized sliding gate,
- ii. Installing a concrete gate apron under the Substation’s existing southeast manual sliding gate,
- iii. Installing three new 25-foot-tall light posts and removing one light post within the Substation, each of which will only be illuminated when ComEd personnel are inside the Substation after dark,
- iv. Laying CA-6 gravel to surface the newly fenced-in area between the new northern fence line and the control building, inclusive of a 3-foot “apron” outside of the fence line (referred to as the “Expansion Area”). This is consistent with the Substation’s existing gravel surface, and
- v. Removing certain trees and bushes in the Substation’s front yard and replacing them with new trees as part of a new landscaping plan. 7 new trees will be added I front of the fence.

ComEd is undertaking the above measures to address physical security risks and vulnerabilities related to the reliable operation of the electric power grid by upgrading security at its critical infrastructure facilities like the subject Electrical Power Distribution Substation. The site is designated as a critical infrastructure site (which includes substations such as this one comprising the electrical grid) as required by the Federal Energy Regulatory Commission (“FERC”) and the North American Electric Reliability Corporation (“NERC”). FERC is the federal agency that regulates the interstate transmission of electricity, and it oversees NERC in the United States. Both FERC and NERC regulate ComEd’s activities and impose obligations on ComEd with regard to securing the bulk power system. The Applicant has provided a detailed analysis and description of precedents and reasons for such measures in their application narrative.



845 Oakwood Road – Variation for a Security Fence  
November 7, 2022

Pursuant to public notice published on October 1, 2022, in the Daily Herald, a public hearing has been scheduled with the Lake Zurich Planning & Zoning Commission for October 19, 2022, to consider the Application. On September 26, 2022, the Village posted a public hearing sign on the Subject Property.

The video stream from the PZC meeting can be accessed via the link:  
<https://play.champds.com/lakezurichil/event/70>

A detailed evaluation and summary of the project can be found in the Staff Report that was provided to the Planning and Zoning Commission, which is a part of the attached Ordinance.

**Recommendation:** At its meeting on October 19, 2022, the Planning and Zoning Commission recommended approval of the variation and provided its findings and conditions for approval. These findings are incorporated and made a part of the approval ordinance submitted to the Village Board for consideration, and subject to the following conditions for approval.

Staff therefore recommends approval of the ordinance with the following conditions:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Will Otter of Sidley Austin, LLC (the “Applicant”) on behalf of Commonwealth Edison Company (the “Owners”) and Cover Letter containing an introduction and summary of requested approvals both dated September 21, 2022.
  - b. Boundary and Topographic Survey prepared by HR Green dated May 12, 2021 and last updated on September 14, 2022.
  - c. Views of property submitted by Applicant dated September 21, 2022
  - d. Site Plan Fence Project prepared by Burns McDonnell dated July 27, 2022 and last updated on August 26, 2022.
  - e. Landscape Plan prepared by Burns McDonnell dated August 1, 2022.
  - f. Fence elevation exhibit entitled “7’H+1’ Typical Elevation (Hot Dipped Galvanized) prepared by Guardiar dated December 2, 2021
  - g. Fence Panel specification prepared by Betafence USA dated July 29, 2015
  - h. Fence/Gate Example submitted by applicant on September 21, 2022
2. As further mitigation for construction of the fence and installation of the gravel, the applicant shall agree not to further increase the amount of impervious surface on the property, beyond what is being proposed, and shall conform to the requirements of the Watershed Development Ordinance of Lake County.
3. The fence shall be of a design and color (black or other dark color acceptable to the village) as depicted in the “Fence/Gate Example” exhibit submitted with the application, and shall be no greater than height than 8 feet.

845 Oakwood Road – Variation for a Security Fence  
November 7, 2022

4. No less than seven (7) trees shall be planted along the front of the fence as depicted in the Landscape Plan prepared by Burns McDonnell dated August 1, 2022.
5. The CA-6 gravel installed on the front of the property between the building, proposed fence and additional 3-foot “expansion area” shall be maintained in a manner that will prevent the gravel from migrating or sinking into the soil, kept free of weeds and shall be replenished from time to time when deficiencies in the amount of gravel arise.
6. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.
  - Approval Ordinance including the following exhibits:
    - Exhibit A – Legal description of the property
    - Exhibit B – October 19, 2022 Staff Report and PZC final findings, recommendation and conditions
    - Exhibit C – Application and Accompanying Exhibits

**ORDINANCE NO. 2022-11-480****ORDINANCE GRANTING A VARIATION*****(845 Oakwood Road – ComEd)***

WHEREAS, Mr. Will Otter of Sidley Austin, LLC (the “Applicant”) on behalf of Commonwealth Edison Company (the “Owner”), and hereinafter referred to as “ComEd,” has filed application PZC 2022-17 (“Application”) for variations to the zoning standards for a security fence and gravel security apron for the property commonly known as 845 Oakwood Road, legally described in Exhibit A attached hereto (the “Property”); and

WHEREAS, the Property is zoned within the I Industrial district and Owner currently operates an Electric Power Distribution Substation; and

WHEREAS, Owner is undertaking certain measures to address physical security risks and vulnerabilities related to the reliable operation of the electric power grid by upgrading security at its critical infrastructure facilities including the subject Electrical Power Distribution Substation; and

WHEREAS, the Property is designated as a critical infrastructure site as required by the Federal Energy Regulatory Commission (“FERC”) and the North American Electric Reliability Corporation (“NERC”), and such agencies regulate Owner’s activities and impose obligations on Owner with regard to securing the bulk power system; and

WHEREAS, as part of such security measures, Owner is proposing to install a new black, expanded metal fence which is 7 feet in height plus 12 inches of “Y”-shaped barbed wire along the northern portion of the property, and a chain-link fence which is 7 feet tall plus 12 inches of “Y”-shaped barbed wire along the southern, eastern and western sides of the interior of the Property, three new 25-foot-tall light posts and removing one light post within the Substation, installing new gravel to surface the newly fenced-in area between the new northern fence line and the existing building on the site, inclusive of a 3-foot “apron” outside of the fence line and extending along the entire length of the fence line, and removing certain trees and bushes in the Substation’s front yard while replacing them with seven (7) new trees as part of a new landscaping plan; and

WHEREAS, the proposed fence and new gravel apron along the northerly portion of the Property will encroach 5 feet into the required 35-foot front yard setback; and

WHEREAS, Applicant's unique hardship and need for such variation to locate the fence and gravel apron within the front yard setback arises from the existence of underground mechanical equipment and need for a visual security buffer preventing the fence from being located any closer to the existing building on the Property; and

WHEREAS, barbed wire and razor wire and similar materials are prohibited except only after written approval of the code official to protect the public health, safety, or welfare; and

WHEREAS, the Applicant requests variations from the regulations at Section 9-6-10.C.1, Minimum Yards: Front Yard, pursuant to Section 9-6-10.F.8.i allowing for the location of fences, walls, and hedges, in any yard, subject to the limitations of the Lake Zurich municipal code; and Section 8-11-1.C.1, Prohibited Fences (only allowed under certain circumstances), to allow for the construction of a fence that is 7 feet in height plus 12 inches of "Y"-shaped barbed wire for a total height of 8 feet, and to install a gravel apron, both of which will be located within the front yard setback; and

WHEREAS, the building regulations establish the following relevant standards, from which Applicant seeks relief, regarding the construction of fences within the District:

Section 8-11-1.C. - Prohibited fences:

1. Barbed wire and razor wire and similar materials are prohibited except only after written approval of the code official to protect the public health, safety, or welfare. No such fences shall be allowed under any circumstances in any residential district or along any property line abutting a lot used for residential purposes, regardless of the zoning of such lots.

3. Chainlink and wire fabric fences are prohibited in any required front yard or corner side yard.

Section 8-11-1.F.1 Maximum Fence Heights: 1. Front and corner side yards: Three feet (3')

WHEREAS, public notice of the public hearing on this request before the Lake Zurich Planning and Zoning Commission ("PZC") was published on October 1, 2022, in the Daily Herald and a Public Hearing Sign was posted at the property on October 1, 2022; and

WHEREAS, a public hearing was scheduled with the PZC for October 19, 2022, to consider the Application; and

WHEREAS, Section 9-17-3.A paragraph 1 of the Code lists "Authorized Variations" under the Code and provides in relevant part:

"1. Yards; Setbacks; Spacing: To reduce the dimension of any required yard, landscaped yard, setback, or building spacing, and to allow structures and uses to be located in any required yard in addition to, and to a greater degree than, those authorized by applicable district regulations;

and

WHEREAS, the PZC conducted a public hearing on October 19, 2022, regarding the request for the proposed variations, and pursuant to the applicable standards set forth in section 9-17-4 of Chapter 17 of Title 9 of the Village of Lake Zurich Municipal Code for zoning variations, and did consider the Application, documentation submitted and all of the facts and circumstances affecting the Application, as described in the report and recommendations set forth in the October 19, 2022 STAFF REPORT, consisting of 12 pages, those findings and recommendations of said STAFF REPORT adopted by the PZC as its own at its October 19, 2022 meeting, all 12 pages of said STAFF REPORT attached hereto as Exhibit B; and

WHEREAS, the Mayor and Board of Trustees of the Village of Lake Zurich have considered the findings and recommendations of the PZC, including the STAFF REPORT October 19, 2022, to the PZC, consisting of 12 pages, said REPORT attached hereto as Exhibit B, and having considered all of the facts and circumstances affecting the Application, the Mayor and Board of Trustees have determined that the applicable standards related to the granting of these requested variations have been adequately met.

NOW THEREFORE, be it ordained by the Mayor and Board of Trustees of the Village of Lake Zurich, Lake County, Illinois, as follows:

**SECTION 1: ADOPTION AND INCORPORATION OF RECITALS.** The foregoing recitals, recommendations, drawings, exhibits and plans are incorporated herein as findings and requirements of the Mayor and Board of Trustees, and all Exhibits referenced herein are made a part of and incorporated into this Ordinance and related approvals, as further provided below.

**SECTION 2: APPROVAL OF VARIATIONS.** The Mayor and Board of Trustees do hereby approve the Application and grant the variations requested by the Applicant for the Property, as follows:

- A. To authorize a variation of Section 9-6-10.C.1 of the Village Zoning Regulations to allow a reduction in the front yard setback of the I Industrial district to allow for the installation of a gravel apron.
- B. To authorize a variation from Section 8-11-1.F.1 of Chapter 11 of Title 8 of the Village Building Regulations, pursuant to Section 9-17-3.A.1 to allow an expanded metal fence that is a maximum of 8 feet in height (7 feet fence plus 1 foot of barbed wire).
- C. To authorize a variation from 8-11-1.C of Chapter 11 of Title 8 of the Village Building Regulations to allow a fence with three strands of Y-shaped Barbed wire, based on findings related to security of the Property as a Public Utility for the protection of the public health, safety, or welfare.



## SECTION 3: CONDITIONS.

1. Substantial conformance with the following documentation submitted as part of the Application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Will Otter of Sidley Austin, LLC (the "Applicant") on behalf of Commonwealth Edison Company (the "Owners") and Cover Letter containing an introduction and summary of requested approvals both dated September 21, 2022.
  - b. Boundary and Topographic Survey prepared by HR Green dated May 12, 2021 and last updated on September 14, 2022.
  - c. Views of property submitted by Applicant dated September 21, 2022
  - d. Site Plan Fence Project prepared by Burns McDonnell dated July 27, 2022 and last updated on August 26, 2022 depicting the proposed security fence with barbed wire, the new security gate and accompanying mechanical equipment and gravel apron.
  - e. Landscape Plan prepared by Burns McDonnell dated August 1, 2022 to include no less than seven (7) trees to be planted along the front of the fence as depicted on said Plan.
  - f. Fence elevation exhibit entitled "7'H+1' Typical Elevation (Hot Dipped Galvanized) prepared by Guardiar dated December 2, 2021
  - g. Fence Panel specification prepared by Betafence USA dated July 29, 2015
  - h. Fence/Gate Example submitted by Applicant on September 21, 2022
2. As further mitigation for construction of the fence and installation of the gravel, the Applicant shall agree not to further increase the amount of impervious surface on the Property, beyond what is being proposed, and shall conform to the requirements of the Watershed Development Ordinance of Lake County.
3. The fence shall be of a design and color (black or other dark color acceptable to the Village) as depicted in the "Fence/Gate Example" exhibit submitted with the application, and shall be no greater in height than 8 feet.
4. No less than seven (7) trees shall be planted along the front of the fence as depicted in the Landscape Plan prepared by Burns McDonnell dated August 1, 2022.
5. The CA-6 gravel installed on the front of the property between the building, proposed fence and additional 3-foot "expansion area" shall be maintained in a manner that will prevent the gravel from migrating or sinking into the soil, kept free of weeds and shall be replenished from time to time when deficiencies in the amount of gravel arise.
6. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.

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SECTION 4: COMPLIANCE WITH ORDINANCE. The variations granted in Section 2 of this Ordinance may be revoked by the Board of Trustees upon the violation of any term, restriction, or condition of this Ordinance or of any applicable Village code or regulation.

SECTION 5: SEVERABILITY. If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

SECTION 6: CONFLICTS. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 7: EFFECTIVE DATE. This Ordinance shall be in full force and effect upon its passage and approval, as provided by law.

PASSED this 7<sup>th</sup> day of November, 2022, pursuant to a roll call vote of the Corporate Authorities of the Village of Lake Zurich as follows:

AYES:

NAYS:

ABSENT:

APPROVED by the Mayor of the Village of Lake Zurich this \_\_\_\_\_ day of November, 2022.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
Village Clerk

341848\_1

EXHIBIT A  
Legal Description of Property

THAT PART OF LOT THREE IN SCHOOL TRUSTEES SUBDIVISION OF SECTION SIXTEEN, TOWNSHIP FORTY-THREE NORTH, RANGE TEN, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTH OF THE SOUTH LINE OF OAKWOOD ROAD ACCORDING TO THE PLAT OF DEDICATION RECORDED AS DOCUMENT NO. 2179933 AND WEST OF A LINE 100.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SAID OAKWOOD ROAD WITH THE WEST LINE OF THE EAST 100.00 FEET OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN; THENCE SOUTH 00 DEGREES 04 MINUTES 39 SECONDS WEST, BEING AN ASSUMED BEARING ON THE WEST LINE OF THE EAST 100.00 FEET OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN, A DISTANCE OF 523.08 FEET TO THE NORTHWESTERLY LINE OF THE ELGIN AND JOLIET EASTERN RAILROAD; THENCE SOUTH 43 DEGREES 04 MINUTES 06 SECONDS WEST ON THE NORTHWESTERLY LINE OF SAID ELGIN AND JOLIET EASTERN RAILROAD A DISTANCE OF 366.60 FEET TO THE INTERSECTION WITH A LINE 350.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN; THENCE NORTH 00 DEGREES 04 MINUTES 39 SECONDS EAST ON THE LAST DESCRIBED PARALLEL LINE A DISTANCE OF 794.42 FEET TO THE SOUTH LINE OF SAID OAKWOOD ROAD; THENCE SOUTH 89 DEGREES 11 MINUTES 34 SECONDS EAST ON THE SOUTH LINE OF SAID OAKWOOD ROAD A DISTANCE OF 250.00 FEET TO THE POINT OF BEGINNING, ALL IN LAKE COUNTY, ILLINOIS.

Parcels Involved: 14-16-100-059

341848\_1

**EXHIBIT B**

**Staff Report and Findings of the PZC - 12 pages**

341848\_I

Exhibit C

Development Application and attachments dated September 28, 2022

341848\_1



*At the Heart of Community*

COMMUNITY DEVELOPMENT DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

**APPLICATION PZC 2022-17**  
**PZC Hearing Date: October 19, 2022**

**AGENDA ITEM 4.B**

**STAFF REPORT**

To: Chairperson Stratman and Members of the Planning & Zoning Commission

From: Sarosh Saher, Community Development Director

CC: Mary Meyer, Building Services Supervisor  
Tim Verbeke, Planner

Date: October 19, 2022

Re: PZC 2022-17 – 845 Oakwood Road  
ComEd Security Fence Setback Variation

**SUBJECT**

Mr. Will Otter of Sidley Austin, LLC (the “Applicant”) on behalf of Commonwealth Edison Company (the “Owners”), and hereinafter referred to as “ComEd,” request a Variation from Zoning Code Section 9-6-10-C-1, Industrial District Bulk, Space and Yard Requirements; Minimum Yards; Front and Corner side Yard, to allow for the construction of a 7-foot tall security fence with a 1-foot “Y”-shaped barbed wire on top and gravel security apron that will encroach into the required 35-foot front yard setback at the property commonly known as 845 Oakwood Road, legally described in Exhibit A attached hereto (the “Subject Property”).

**GENERAL INFORMATION**

Requested Action: Variation

Current Zoning: I Industrial District

Current Use: Public Utility – Electric Power Distribution Substation

Property Location: 845 Oakwood Road

Applicant: Mr. Will Otter of Sidley Austin, LLC

Owner: Commonwealth Edison Company (ComEd)

Staff Coordinator: Tim Verbeke, Planner

**Staff Report**  
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**LIST OF EXHIBITS**

- A. Legal Description
- B. Public Hearing Sign
- C. Site Photos
- D. Aerial Map
- E. Zoning Map
- F. Parcel Map
- G. Development Application and Attachments
- H. Development Review Comments

**BACKGROUND**

Mr. Will Otter of Sidley Austin, LLC (the “Applicant”) submitted the application on behalf of ComEd (the “Owners”) for the property located at 845 Oakwood Road, and legally described in Exhibit A attached hereto (the “Subject Property”). The Applicant filed an application with the Village of Lake Zurich received on September 26, 2022 (the “Application”) seeking:

- A Variation from Code Section 9-6-10.C.1, Minimum Yards: Front Yard
- A Variation from Code Section 8-11-1.C.1, Prohibited Fences (only allowed under certain circumstances)

The Subject Property is located within the Village’s I Industrial District that provides for certain professional offices and industrial uses. The I Industrial zoning district requires a 35-foot setback for all structures within the front and corner side yard.

ComEd is proposing to install a new a black, expanded metal fence which is 7 feet in height plus 12 inches of “Y”-shaped barbed wire along the northern portion of the property. The fence will encroach 5 feet into the required 35-foot front yard setback, requiring a variation of the zoning code provisions for front yard setback, and variations of the building code provisions for type (design) and height of fence. ComEd additionally proposes to lay CA-6 gravel to surface the newly fenced-in area between the new northern fence line and the existing control building on the property. The location of the new gravel also requires a variation of the setback requirements of the code.

The requested variations are authorized variations under Section 9-17-3.A.: “Authorized Variations”; Paragraph 1. Yards; Setbacks; Spacing: To reduce the dimension of any required yard, landscaped yard, setback, or building spacing, and to allow structures and uses to be located in any required yard in addition to, and to a greater degree than, those authorized by applicable district regulations.

On the interior of the property, the Applicant is also proposing to install a chain-link fence which is 7 feet tall plus 12 inches of “Y”-shaped barbed wire along the southern, eastern and western fence lines along the property. that portion of the fence will also include five 16-foot-tall posts which support the fence and other security functions, i.e. cameras. The new fence line along the

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interior portion of the property is located outside of applicable required setbacks and allowed by right.

In conjunction with the new fence installation, ComEd will be implementing the following additional measures:

- i. Replacing the Substation's existing northwest swinging gate with a motorized sliding gate,
- ii. Installing a concrete gate apron under the Substation's existing southeast manual sliding gate,
- iii. Installing three new 25-foot-tall light posts and removing one light post within the Substation, each of which will only be illuminated when ComEd personnel are inside the Substation after dark,
- iv. Laying CA-6 gravel to surface the newly fenced-in area between the new northern fence line and the control building, inclusive of a 3-foot "apron" outside of the fence line (referred to as the "Expansion Area"). This is consistent with the Substation's existing gravel surface, and
- v. Removing certain trees and bushes in the Substation's front yard and replacing them with new trees as part of a new landscaping plan. 7 new trees will be added I front of the fence.

ComEd is undertaking the above measures to address physical security risks and vulnerabilities related to the reliable operation of the electric power grid by upgrading security at its critical infrastructure facilities like the subject Electrical Power Distribution Substation. The site is designated as a critical infrastructure site (which includes substations such as this one comprising the electrical grid) as required by the Federal Energy Regulatory Commission ("FERC") and the North American Electric Reliability Corporation ("NERC"). FERC is the federal agency that regulates the interstate transmission of electricity, and it oversees NERC in the United States. Both FERC and NERC regulate ComEd's activities and impose obligations on ComEd with regard to securing the bulk power system. The Applicant has provided a detailed analysis and description of precedents and reasons for such measures in their narrative.

*Changes from Existing Conditions and Variations from the Code Requirements (relevant to the Variations requested):*

Currently, there is a chainlink fence on the property, completely surrounding and securing the substation and its outdoor storage areas. The following is a listing if what is proposed to be changed on the property as related to the requested variations, and how the changes vary from the requirements of the code.

- a. *Fence type and design* (including entrance gate)
  - Existing: Aluminum Metal fence (and entrance gate) facing Oakwood Road on west side of building and chain link fence on east side of building; 6 feet in height plus 12 inches of outward-facing barbed wire on top.
  - Proposed: New black, expanded metal fence, 7 feet in height plus 12 inches of "Y"-shaped barbed wire. Design proposed because chainlink fences are prohibited within front yards on all properties.

For additional reference, a large part of the fence will be located in front of the existing building on the property which is approximately 20 feet in height.



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- Variation from the Code:
  - Overall height to increase from 6 feet to 8 feet along northerly fence
  - Inclusion of 12 inches of barbed wire on fence. Barbed wire and razor wire and similar materials are prohibited except only after written approval of the code official to protect the public health, safety, or welfare.
- b. *Fence location* (including entrance gate)
  - Existing: Located 45 feet from front lot line, along and abutting the northerly building edge, outside of required front yard setback of 35 feet
  - Proposed: To be located 30 feet from front lot line and 15 feet in front of building in order to encompass building, resulting in 5 feet encroachment into required front yard setback  
 For additional reference, the fence will be located at approximately 65 feet from the Oakwood Road curb.
  - Variation from the Code:
    - Encroachment into front yard setback by 5 feet.
- c. *Gravel apron location*
  - Existing: No gravel present
  - Proposed: CA-6 gravel to surface the newly fenced-in area between the new northern fence line and the control building, inclusive of a 3-foot “apron” outside of the fence line. Total width of gravel along the fence and building facing street is 18 feet.
  - Variation from the Code:
    - Encroachment into front yard setback by 8 feet.

Pursuant to public notice published on October 1, 2022, in the Daily Herald, a public hearing has been scheduled with the Lake Zurich Planning & Zoning Commission for October 19, 2022, to consider the Application. On September 26, 2022, the Village posted a public hearing sign on the Subject Property (Exhibit B).

Staff offers the following additional information:

- A. **Courtesy Review.** Due to the low impact, courtesy review was not recommended.
- B. **Zoning History.** The property is located within the School Trustee’s Subdivision on Lot 3 of Section 16, which was recorded in Lake County and is zoned within the I Industrial District. Using documents from the Lake County’s collection of aerial photographs, Staff was able to conclude that the substation has only had minor alteration since initial construction between 1993 and 1997.
- C. **Surrounding Land Use and Zoning.** The subject property is located at the northern section of the Industrial Park, near the intersection of the CN rail line and Oakwood Road. All directly surrounding land to the east, west and south is zoned I Industrial District and is improved with both multi-tenant and single user industrial buildings. The parcels across Oakwood Road is zone R-6 Multiple Family Residential, and improved with a multi-family unit development within Wicklow Village. The nearest of these homes to the north are

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located approximately 190 to 200 feet from where the new fence is proposed to be located and are currently screened by means of a landscape buffer and solid privacy subdivision fence.

- D. Trend of Development.** The subject property is located within Lake Zurich's thriving Corporate Industrial Park. Currently, this is the only electrical substation established within the I Industrial zoning district. A majority of other utility type facilities are special uses, with only a few similar facilities located in the Village.
- E. Zoning District.** The (I) Industrial District is intended to provide for a range of nuisance free manufacturing, warehousing, transportation, wholesaling, and industrial uses that are compatible with the suburban residential character of the village. The industrial district is also meant to accommodate certain professional offices and similar uses that may provide services to the industrial users and are compatible with the industrial character of the district. It is the goal of these regulations to provide and preserve an area within the village for industrial uses that create employment and economic benefits for the village and the industrial district.
- F. General provisions for the granting of variations.** The purpose of the variation procedure is intended to provide a narrowly circumscribed means by which relief may be granted from unforeseen particular applications of the zoning code that create practical difficulties or particular hardships for which no other remedy is available.

Section 9-17-3 entitled "Authorized Variations" provides a list of the zoning code provisions that may be varied by authority of the Village Board. The requested are authorized variations under this Section.

**GENERAL FINDINGS**

Staff of the Community Development Department and its development review team have evaluated the development against the various standards and provisions of the Lake Zurich Municipal Code and offer findings on specific sections of the Code as they relate to the development of the property.

**9-17-4: STANDARDS FOR VARIATIONS.**

- A. General Standard:** No variation shall be granted pursuant to this chapter unless the applicant shall establish that carrying out the strict letter of the provisions of this zoning code would create a particular hardship or a practical difficulty. Such a showing shall require proof that the variation being sought satisfies each of the standards set forth in this section.

**Staff Response: Standard met. The Applicant has demonstrated that there is a practical difficulty in constructing the 7-foot security fence and associated gravel in compliance with the provisions of the zoning code – which would be outside the required 35-foot setback.**

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As stated by the Applicant, "...Carrying out the Project is linked to ComEd's unique need to meet the heightened security objectives of PPD-21 and FERC Order 802 and implement electric utility industry requirements and best practices. ComEd is required to enhance security at the Substation in compliance with these federal directives, which do not apply to typical property owners in the Village."

"Additionally, the presence of existing underground electrical infrastructure at the Substation [immediately north of the existing building] is a unique physical condition requiring ComEd to construct the new northern fence line within a small portion of the front yard setback. Due to this condition, ComEd cannot meet its security protocols if it constructs the new northern fence line outside of the minimum required front yard."

The Applicant has additionally stated that security measures cannot use one façade of the building and fence as currently configured to meet its security requirements.

While staff has determined that there are alternate locations for the fencing where a security fence could be constructed and not violate the setback requirements, by moving the fence 5 feet back toward the building and removing the gravel from the proposal, this would limit access to the fence and underground mechanical equipment for maintenance purposes thereby reducing the necessary "visibility buffer" deemed necessary by the Applicant for security purposes between the building face and the fence.

- B. Unique Physical Condition: The subject property is exceptional as compared to other lots subject to the same provision by reason of a unique physical condition, including presence of an existing use or structure, whether conforming or nonconforming; irregular or substandard shape or size; exceptional topographical features; or other extraordinary physical conditions peculiar to and inherent in the subject property that amount to more than a mere inconvenience to the owner and that relate to or arise out of the lot rather than the personal situation of the current owner of the lot.

**Staff Response: Standard met. While there is no unique physical condition, irregular or substandard shape or size; exceptional topographical features; or other extraordinary physical conditions that would make the subject property unique from its immediately surrounding properties and thereby warrant a variation, there is the presence of existing structures – the underground mechanical equipment – that prevents the fence from being located outside of the setback while meeting the security plan requirements.**

- C. Not Self-Created: The aforesaid unique physical condition is not the result of any action or inaction of the owner, or of the owner's predecessors in title and known to the owner prior to acquisition of the subject property, and existed at the time of the enactment of the provisions from which a variation is sought or was created by natural forces or was the

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result of governmental action, other than the adoption of this zoning code, for which no compensation was paid.

**Staff Response: Standard met. The unique or extraordinary physical condition was not the result of any action of the property owner, rather a result of federal and industry directives for public utilities, with which ComEd is attempting to comply.**

- D. Denied Substantial Rights: The carrying out of the strict letter of the provision from which a variation is sought would deprive the owner of the subject property of substantial rights commonly enjoyed by owners of other lots subject to the same provision.

**Staff Response: Standard met. The electrical power distribution land use operated by ComEd, is required to address and implement the extraordinary security measures as prescribed by the federal government, measures which are not otherwise required by other land uses and owners of property within the industrial district.**

**As stated by the Applicant, "...Because ComEd is a public utility, ComEd's rights with regard to the Substation property are inextricably linked to the right of Village citizens to receive reliable electric energy delivery and ComEd's regulatory obligations (and commitments as per its Franchise Agreement with the Village) to provide it. If ComEd is not allowed to properly secure its Substation in accordance with industry standards through implementation of the Project, it could be denied the substantial right to continue effectively fulfilling its responsibility as a Village public utility provider."**

- E. Not Merely Special Privilege: The alleged hardship or difficulty is not merely the inability of the owner or occupant to enjoy some special privilege or additional right not available to owners or occupants of other lots subject to the same provision, nor merely an inability to make more money from the use of the subject property; provided, however, that where the standards herein set out exist, the existence of an economic hardship shall not be a prerequisite to the grant of an authorized variation.

**Staff Response: Standard met. The requirements to address and implement the security measures prescribed by the pertinent federal agencies does not grant the Applicant a special privilege, rather is a requirement that ComEd has to implement.**

**As stated by the Applicant, "...This request is simply meant to facilitate ComEd building its new fence line in a way which overcomes an engineering hurdle relating to existing underground electrical infrastructure. With approval of the variations, ComEd will be able to implement the federally-mandated Project, which is not motivated by ComEd's desire to benefit itself, but rather by ComEd's obligation to benefit its numerous customers in the Village and surrounding areas to whom it distributes power."**

- F. Code and Plan Purposes: The variation would not result in a use or development of the subject property that would be not in harmony with the general and specific purposes for

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which this zoning code and the provision from which a variation is sought were enacted or the general purpose and intent of the official comprehensive plan.

**Staff Response: Standard met. Granting the variation would not change the use and operation of the Subject Property. The location and design of the substation, the fence and any potential gravel areas will continue to remain in conformance with the industrial purpose of the zoning code and comprehensive plan.**

G. Essential Character of the Area: The variation would not result in a use or development on the subject property that:

1. Detrimental to Enjoyment: Would be materially detrimental to the public welfare or materially injurious to the enjoyment, use, development, or value of property or improvements permitted in the vicinity; or

**Staff Response: Standard met. Granting of the variation will not create a negative effect on public welfare, enjoyment, development, or value of property and its surroundings if the Applicant is granted the requested variation.**

**It should be pointed out that the Applicant is also proposing four security cameras mounted on 16-foot tall poles on each corner of the property as an additional security measure. While the Applicant has indicated that the cameras will be directed onto the property, further details on the impact on the neighboring properties have not been shared with staff.**

**The installation of security cameras is not a violation of the codes nor is the subject of this variation, but staff believes that that anyone on camera should have a reasonable expectation of privacy, with particular respect to the residences across Oakwood Road within Wicklow Village (located approximately 200 feet away from the cameras).**

**The upgraded design of the fence as an expanded metal fence (rather than a chainlink fence) and the additional planting of 7 trees along the front of the new fence will help reduce the impact of the fence from the street and property to the north.**

2. Light and Air: Would materially impair an adequate supply of light and air to the properties and improvements in the vicinity; or

**Staff Response: Standard met. Granting of the variation would not impede the adequate supply of light and air to properties and improvements in the vicinity.**

3. Congestion: Would substantially increase congestion in the public streets due to traffic or parking; or

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**Staff Response: Standard met. Granting of the variation would not increase any congestion due to traffic or parking as the land use of the property is not being changed.**

4. Flood or Fire: Would unduly increase the danger of flood or fire; or

**Staff Response: Standard met. The proposed security fence and gravel apron will need to conform to current building codes. The gravel will additionally conform to the requirements of the Water Shed Development Ordinance (Stormwater Ordinance) of Lake County.**

5. Tax Public Facilities: Would unduly tax public utilities and facilities in the area

**Staff Response: Standard met. Granting of the variation would not cause the property to tax public utilities or facilities in the area.**

6. Endangerment: Would endanger the public health or safety.

**Staff Response: Standard met. The proposed variation would not affect the public's health, safety or welfare.**

- H. No Other Remedy: There is no means other than the requested variation by which the alleged hardship or difficulty can be avoided or remedied to a degree sufficient to permit a reasonable use of the subject property.

**Staff Response: Standard partially met. The Applicant has stated that the requested variation is the only option for the Applicant to build the security fence with associated gravel and the proposed location is the minimum adjustment that the property owner can accommodate to include the requested level of functionality, and utility.**

**However, staff has determined that the Applicant may have the ability to construct the said fence and install gravel in a manner that will meet the requirements of the zoning codes thereby not requiring a variation.**

- **Move the fence no less than 5 feet closer to the building and reconfigure the location of the CA-6 gravel from the proposal, OR**
- **Create bump outs in the alignment of the fence to accommodate the existing underground electrical infrastructure, while a majority of the fence maintains conformity.**

**These have been conveyed to the Applicant, but have been deemed impractical and detrimental to accomplishing the goal of security by limiting access to the fence and underground mechanical equipment for maintenance purposes and reducing the necessary "visibility buffer" deemed necessary by the Applicant for security purposes between the building face and the fence.**

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**RECOMMENDATION**

The recommendation of the Planning and Zoning Commission should be based on the standards included in the following Sections of the Lake Zurich Municipal Code:

- Section 9-17-4: Standards for Variations

Based on the review of the standards for approval which have largely been met staff recommends that the Planning and Zoning Commission make these standards a part of the official record of the Application.

Staff emphasized testing of the Application against the “General Standard” and “Unique Physical Condition Standard” in determining appropriateness of recommending approval of the requested variations and found that the application largely meets these standards.

Should the PZC recommend approval of the Variation as requested to afford the Applicant the ability to meet the goals of securing the property in a manner recommended by the federal agencies, Staff of the Community Development Department recommends that the following conditions be incorporated in the Findings of the PZC:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Will Otter of Sidley Austin, LLC (the “Applicant”) on behalf of Commonwealth Edison Company (the “Owners”) and Cover Letter containing an introduction and summary of requested approvals both dated September 21, 2022.
  - b. Boundary and Topographic Survey prepared by HR Green dated May 12, 2021 and last updated on September 14, 2022.
  - c. Views of property submitted by Applicant dated September 21, 2022
  - d. Site Plan Fence Project prepared by Burns McDonnell dated July 27, 2022 and last updated on August 26, 2022.
  - e. Landscape Plan prepared by Burns McDonnell dated August 1, 2022.
  - f. Fence elevation exhibit entitled “7’H+1’ Typical Elevation (Hot Dipped Galvanized) prepared by Guardiar dated December 2, 2021
  - g. Fence Panel specification prepared by Betafence USA dated July 29, 2015
  - h. Fence/Gate Example submitted by applicant on September 21, 2022
2. As further mitigation for construction of the fence and installation of the gravel, the applicant shall agree not to further increase the amount of impervious surface on the property, beyond what is being proposed, and shall conform to the requirements of the Watershed Development Ordinance of Lake County.
3. The fence shall be of a design and color (black or other dark color acceptable to the village) as depicted in the “Fence/Gate Example” exhibit submitted with the application, and shall be no greater than height than 8 feet.

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4. No less than seven (7) trees shall be planted along the front of the fence as depicted in the Landscape Plan prepared by Burns McDonnell dated August 1, 2022.
5. The CA-6 gravel installed on the front of the property between the building, proposed fence and additional 3-foot “expansion area” shall be maintained in a manner that will prevent the gravel from migrating or sinking into the soil, kept free of weeds and shall be replenished from time to time when deficiencies in the amount of gravel arise.
6. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.

Respectfully Submitted,

Sarosh Saher  
Community Development Director



Staff Report  
APPLICATION PZC 2022-17

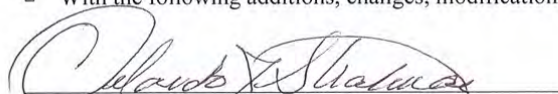
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**LAKE ZURICH PLANNING & ZONING COMMISSION  
FINAL FINDINGS & RECOMMENDATIONS**

**845 OAKWOOD ROAD  
OCTOBER 19, 2022**

The Planning & Zoning Commission recommends approval of Application PZC 2022-17, subject to any changes or approval conditions as listed below:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Will Otter of Sidley Austin, LLC (the "Applicant") on behalf of ComEd (the "Owners") and Cover Letter containing an introduction and summary of requested approvals both dated September 21, 2022.
  - b. Boundary and Topographic Survey prepared by HR Green dated Sept. 14, 2022.
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  - h. Fence/Gate Example submitted by applicant on September 21, 2022
2. As further mitigation for construction of the fence and installation of the gravel, the applicant shall agree not to further increase the amount of impervious surface on the property, beyond what is being proposed, and shall conform to the requirements of the Watershed Development Ordinance of Lake County.
3. The fence shall be of a design and color (black or other dark color acceptable to the village) as depicted in the "Fence/Gate Example" exhibit submitted with the application, and shall be no greater than height than 8 feet.
4. No less than seven (7) trees shall be planted along the front of the fence as depicted in the Landscape Plan prepared by Burns McDonnell dated August 1, 2022.
5. The CA-6 gravel installed on the front of the property between the building, proposed fence and additional 3-foot "expansion area" shall be maintained in a manner that will prevent the gravel from migrating or sinking into the soil, kept free of weeds and shall be replenished from time to time when deficiencies in the amount of gravel arise.
6. The development shall be in compliance with applicable codes and ordinance.
  - ☒ Without any further additions, changes, modifications and/or approval conditions.
  - ☐ With the following additions, changes, modifications and/or approval conditions:

  
Planning & Zoning Commission Chairman

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**APPLICATION PZC 2022-17**

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**EXHIBIT A**  
**LEGAL DESCRIPTION OF SUBJECT PROPERTY**

THAT PART OF LOT THREE IN SCHOOL TRUSTEES SUBDIVISION OF SECTION SIXTEEN, TOWNSHIP FORTY-THREE NORTH, RANGE TEN, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTH OF THE SOUTH LINE OF OAKWOOD ROAD ACCORDING TO THE PLAT OF DEDICATION RECORDED AS DOCUMENT NO. 2179933 AND WEST OF A LINE 100.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN, BOUNDED AND DESCRIBED AS FOLLOWS:

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Parcels Involved: 14-16-100-059

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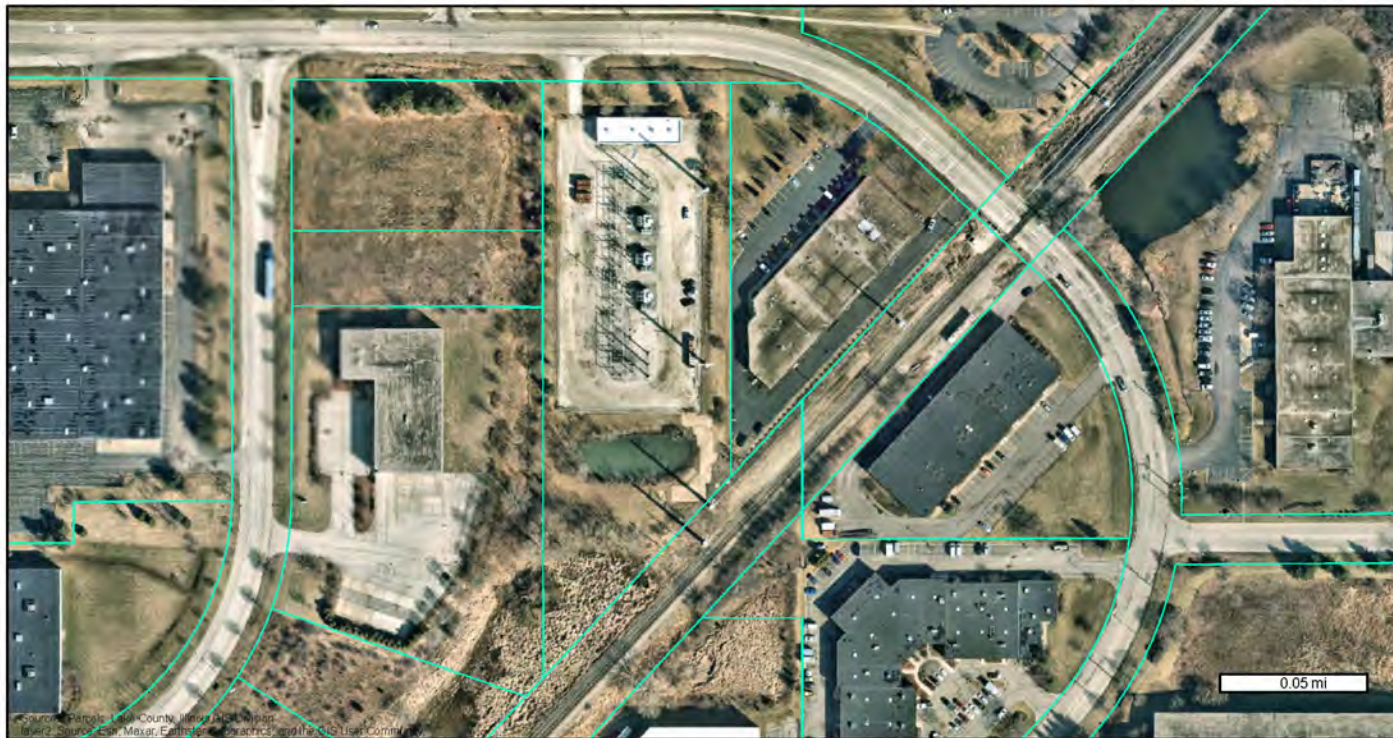
**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

**EXHIBIT B**  
**HEARING SIGN ON SUBJECT PROPERTY**





## 845 Oakwood - ComEd



□ Tax Parcel Lines  
Tax Parcel  
Information

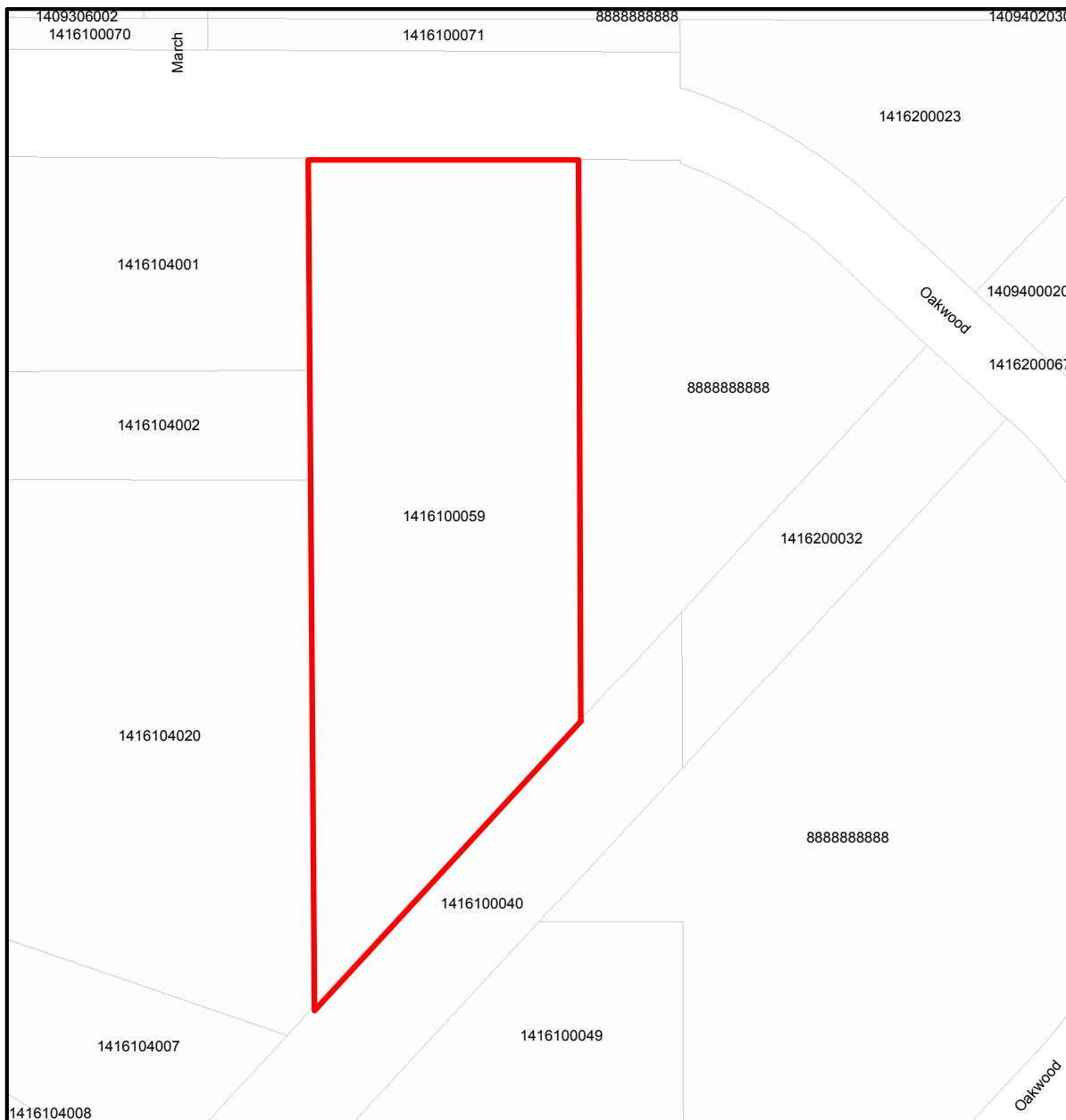
**Disclaimer:**

The selected feature may not occur anywhere in the current map extent. A Registered Land Surveyor should be consulted to determine the precise location of property boundaries on the ground. This map does not constitute a regulatory determination and is not a base for engineering design. This map is intended to be viewed and printed in color.



# ComEd Fence Variation

845 Oakwood Rd



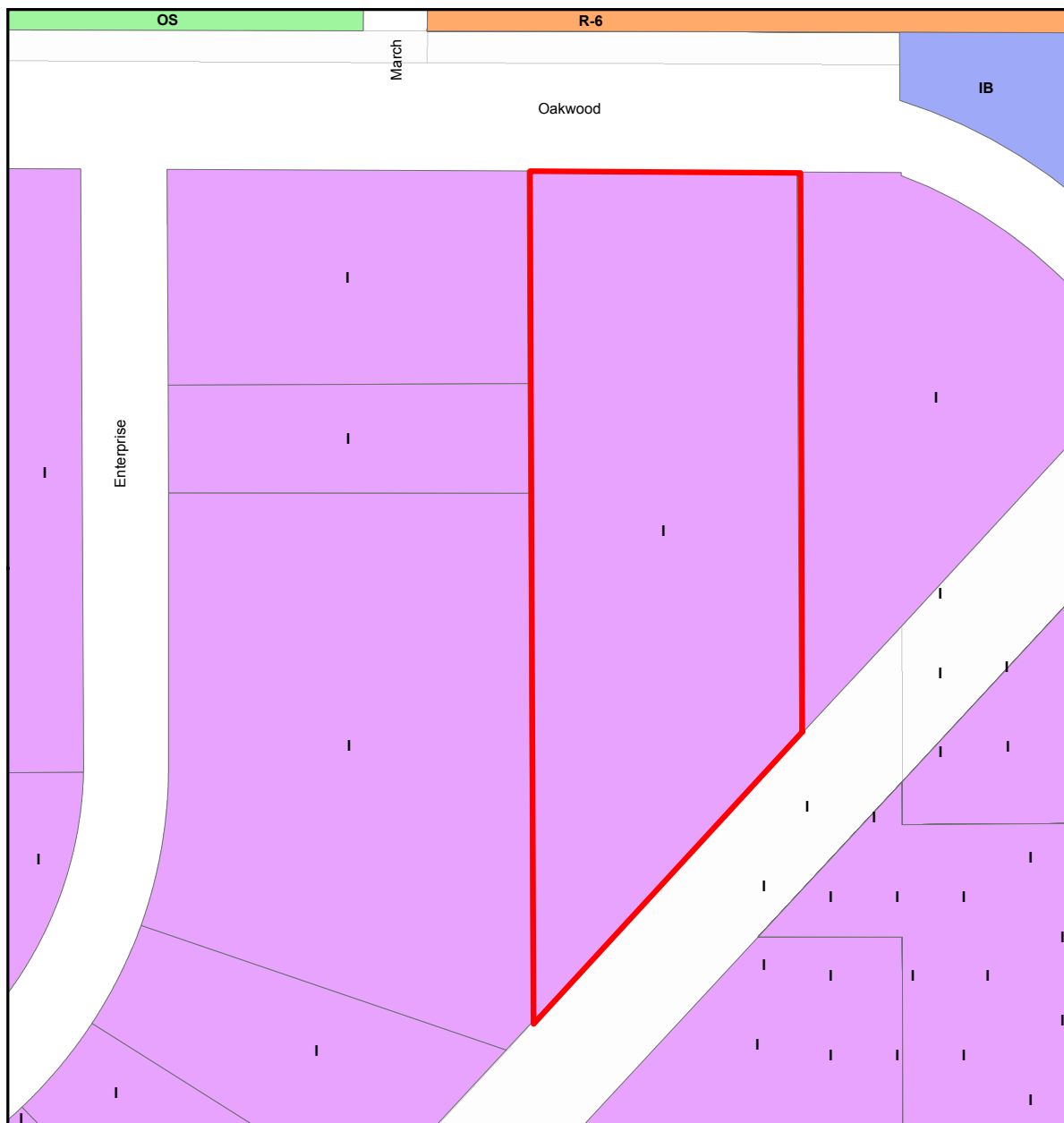
COMMUNITY SERVICES DEPARTMENT  
Building and Zoning Division  
505 Telser Road, Lake Zurich, Illinois 60047

(847) 540-1696  
Fax: (847) 726-2182  
LakeZurich.org



# ComEd Fence Variation

## 845 Oakwood Rd



COMMUNITY SERVICES DEPARTMENT  
Building and Zoning Division  
505 Telser Road, Lake Zurich, Illinois 60047

(847) 540-1696  
Fax: (847) 726-2182  
LakeZurich.org

**ZONING APPLICATION**

Community Development Department  
 505 Telser Rd.  
 Lake Zurich, IL 60047  
 Phone: (847) 540-1696  
 Fax: (847) 540-1769

(Please Type or Print)

1. Address of Subject Property: 845 Oakwood Road, Lake Zurich, IL 60047
2. Please attach complete legal description
3. Property Identification number(s): 1416100059
4. Owner of record is: Commonwealth Edison Company Phone: c/o 779-231-1498  
 E-Mail c/o shemeka.wesby@comed.com Address: Three Lincoln Centre, Oakbrook Terrace, IL 60181
5. Applicant is (if different from owner): Will Otter - Sidley Austin LLP Phone: 312-853-7093  
 E-Mail wotter@sidley.com Address: One South Dearborn, Chicago, IL 60603
6. Applicant's interest in the property (owner, agent, realtor, etc.): attorney for owner
7. All existing uses and improvements on the property are: electrical substation
8. The proposed uses on the property are: electrical substation
9. List any covenants, conditions, or restrictions concerning the use, type of improvements, setbacks, area, or height requirements placed on the Subject Property and now of record and the date of expiration of said restrictions:  
N/A - note, however, original deed addresses earlier landscape plan
10. Describe any contract or agreement of any nature relevant to the sale or disposal of the Subject Property:  
N/A
11. For applications requiring a public hearing, please attach a list which contains the PIN, owner, and owner's mailing address of all properties located within 250 feet (excluding all Public Right-of-Ways) of the Subject Property.

THE APPLICANT'S SIGNATURE BELOW INDICATES THE INFORMATION CONTAINED IN THIS APPLICATION AND ON ANY ACCOMPANYING DOCUMENTS IS TRUE AND CORRECT.  
 THE APPLICANT ALSO ACKNOWLEDGES IF THE CONSULTANT EXPENSES EXCEED THE INITIAL ESCROW DEPOSIT, THE APPLICANT WILL REIMBURSE THE ACCOUNT IMMEDIATELY.

Will Otter  
 (Name of applicant)

(Signature of applicant)

Subscribed and sworn to before me this 21st day of September, 2022.

(Notary Public)

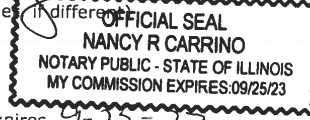


Shemeka Wesby, Commonwealth Edison Company  
 (Name of Owner, if different)

(Signature of Owner, if different)

Subscribed and sworn to before me this \_\_\_\_ day of September, 2022.

(Notary Public)



My Commission Expires 9-25-23

Please indicate what form of zoning relief your application requires. For assistance, please contact Staff:

☐ Zoning Code Map Amendment to change zoning of Subject Property from \_\_\_\_ to \_\_\_\_

☐ Zoning Code Text Amendment to amend the following section(s) of the Zoning Code \_\_\_\_\_

(See Section 18-103 of the Lake Zurich Zoning Code for specific standards. If a specific parcel is the subject of this amendment, then provide the additional information listed in Section 18-103C.)

☐ Special Use Permit/Amendment for \_\_\_\_\_

(See Section 19-103 of the Lake Zurich Zoning Code for specific standards.)

☐ Planned Unit Development/Major Adjustment/Amendment

(Planned Unit Developments are a distinct category of special use and are intended to create a more desirable environment than through strict application of the zoning and subdivision regulations. See Section 22-105 of the Lake Zurich Zoning Code for specific standards. Please list all the 'modifications' requested in the cover letter.)

☐ Variation for \_\_\_\_\_

(See Section 17-104 of the Lake Zurich Zoning Code for specific standards. Please indicate what your specific hardships are in the cover letter.)

☐ Modification to the Land Development Code (includes retaining walls more than 2 feet in height)

(See Section 10-6-18 of the Land Development Code for specific standards.)

☐ Preliminary Plat of Subdivision

☐ Final Plat of Subdivision or Amendment to Plat of Subdivision

(See Sections 10-5-2 and 10-5-9 of the Land Development Code for specific standards.)

☐ Site Plan Approval/Major Adjustment/Amendment

(See Section 20-103 of the Lake Zurich Zoning Code for specific standards.)

☐ Exterior Appearance Approval or Amendment

(See Section 21-103 of the Lake Zurich Zoning Code for specific standards.)

#### **APPLICATION TO ANNEX CERTAIN TERRITORY**

All land annexed to the Village is classified automatically after such annexation in the R-1\2 Single Family Residential District. The owner must file an application for a Zoning Map amendment if he or she desires a different zoning classification for the Subject Property.

☐ Petition to Annex Certain Territory (Please complete attached petition)

☐ Application to Annex Certain Territory

#### **COMPREHENSIVE PLAN APPLICATION**

☐ Comprehensive Plan Map Amendment for \_\_\_\_\_

☐ Comprehensive Plan Text Amendment for \_\_\_\_\_



# SIDLEY

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WOTTER@SIDLEY.COM

September 21, 2022

**BY ELECTRONIC DELIVERY**

Mr. Orlando Stratman  
Village of Lake Zurich  
Chairperson – Planning & Zoning Commission  
70 East Main Street  
Lake Zurich, Illinois 60047

**Village of Lake Zurich – Variation Request Application Addendum**

**Introduction and Summary of Approvals Requested**

Dear Mr. Stratman,

In accordance with federal mandates relating to security for key infrastructure sites nationwide, Commonwealth Edison Company (“ComEd”) plans to upgrade the exterior protection of its electrical substation located at 845 Oakwood Road (the “Substation”) in the Village of Lake Zurich (the “Village”). The Substation is located in the I zoning district.

ComEd plans to replace the existing exterior fence around the Substation, which today is generally a chain-link fence which is 6 feet tall plus 12” of outward-facing barbed wire, with (i) a chain-link fence which is 7 feet tall plus 12” of “Y”-shaped barbed wire along the southern, eastern and western fence lines, and (ii) a black, expanded metal fence which is 7 feet in height plus 12” of “Y”-shaped barbed wire along the northern fence line. The fence will also include five 16-foot-tall posts which support the fence and other security functions. The new fence line will follow the existing fence line along the southern, eastern and western fence lines, all of which are located outside of applicable required setbacks under the Village Zoning Code (the “Zoning Code”).

The northern fence line will be moved north 15 feet of the existing fence line in order to create a “visibility buffer” for security purposes between the northern fence line and the northern edge of the Substation’s existing control building. This is the fence line which is the subject of this variation application; the remaining portions of the Project are permitted as of right and appropriate issued permits are being implemented at this time.

In conjunction with the fence installation, ComEd will be (i) replacing the Substation’s existing northwest swinging gate with a motorized sliding gate, (ii) installing a concrete gate apron under the Substation’s existing southeast manual sliding gate, (iii) installing three new 25-foot-tall light posts and removing one light post within the Substation, each of which

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will only be illuminated when ComEd personnel are inside the Substation after dark, (iv) laying CA-6 gravel to surface the newly fenced-in area between the new northern fence line and the control building, inclusive of a 3-foot “apron” outside of the fence line (the “Expansion Area”), consistent with the Substation’s existing gravel surface, and (v) removing certain trees and bushes in the Substation’s front yard and replacing them with new trees as part of a new landscaping plan (collectively with the new fence installation, the “Project”).

To facilitate the Project, ComEd is requesting that the following variations be approved:

1. Variation to Section 8-11-1 of the Village Municipal Code regarding fences (the “Fence Code”) to install the northern fence line, which is black expanded metal and 7 feet in height plus 12” of “Y”-shaped barbed wire, along the new northern fence line within a small portion of the front yard setback of the Substation property.
2. Variation to Section 9-6-10(C) of the Zoning Code to install a CA-6 gravel surface on the portion of the Expansion Area which is located within the front yard setback of the Substation property.

As a regulated public utility and given that the Project relates to core aspects of the electrical grid, ComEd respectfully suggests that the Village’s land use authority may not apply to the company’s implementation of the Project at its Substation. Nonetheless, ComEd is voluntarily submitting this request in an effort to work on its project cooperatively with the Village.

## Project Narrative

### ***A. Overview of Substation Security Upgrade***

ComEd is undertaking the Project in light of its obligations to upgrade security at its critical infrastructure facilities like the Substation.

The Project is being undertaken at a critical infrastructure site (which includes substations such as this one comprising the electrical grid) as required by the Federal Energy Regulatory Commission (“FERC”) and the North American Electric Reliability Corporation (“NERC”). FERC is the federal agency that regulates the interstate transmission of electricity, and it oversees NERC in the United States. Both FERC and NERC regulate ComEd’s activities and impose obligations on ComEd with regard to securing the bulk power system.

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In February 2013, President Obama issued Presidential Policy Directive 21 (“PPD-21”), which established national policy on critical infrastructure security and resilience.<sup>1</sup> PPD-21 identified energy and communications systems (among other things) as uniquely critical due to the enabling functions they provide across all critical infrastructure sectors, and it required federal departments and agencies to implement the directive. Following the April 2013 “Metcalf” sniper attack on a transmission substation near San Jose, California, FERC started official regulatory proceedings which resulted ultimately (as explained below) in the promulgation of NERC’s CIP-014 mandatory physical security standards.

In March 2014, as part of its ongoing oversight of the bulk power system, FERC ordered NERC to submit proposed reliability standards requiring transmission owners meeting certain criteria to take steps or demonstrate that they have taken steps to address physical security risks and vulnerabilities related to the reliable operation of the electric power grid.<sup>2</sup> On May 23, 2014, NERC filed with FERC (as it was mandated to do by federal law) its proposal for mandatory physical security standards.<sup>3</sup> This reliability standard (Physical Security) requires transmission owners or operators to perform a risk assessment of their systems to identify critical facilities (including transmission substations), evaluate the potential threats and vulnerabilities to those identified facilities, and develop and implement a security plan designed to protect against physical attacks on those identified critical facilities. On November 20, 2014, FERC approved the proposed standard, with minor changes, as NERC’s new Physical Security Reliability Standard (CIP-014-1).<sup>4</sup> FERC approved a revised version of the standard (CIP-014-2) on July 14, 2015.<sup>5</sup> FERC’s order (“FERC Order 802”) made these physical security obligations compulsory.

With oversight by FERC, NERC has the authority to develop, oversee, and enforce implementation of the CIP-014-2 Physical Security Reliability Standard. The stated purpose of NERC’s Physical Security Reliability Standard is to “protect transmission stations and transmission substations, and their associated primary control centers, that if rendered inoperable or damaged as a result of a physical attack could result in instability, uncontrolled separation, or

<sup>1</sup> See Presidential Policy Directive, “Critical Infrastructure Security and Resilience,” Presidential Policy Directive-21, February 12, 2013, available at <https://obamawhitehouse.archives.gov/the-press-office/2013/02/12/presidential-policy-directive-critical-infrastructure-security-and-resil>

<sup>2</sup> *Reliability Standards for Physical Security Measures*, 146 FERC ¶ 61,166 (Mar. 7, 2014).

<sup>3</sup> NERC, Petition of the North American Electric Reliability Corporation for Approval of Proposed Reliability Standard CIP-014-1, May 23, 2014, <http://www.nerc.com/FilingsOrders/us/NERC%20Filings%20to%20FERC%20DL/Petition%20-%20Physical%20Security%20CIP-014-1.pdf>

<sup>4</sup> *Physical Security Reliability Standard*, 149 FERC ¶ 61,140 (Nov. 20, 2014).

<sup>5</sup> *N. Am. Elec. Reliability Corp.*, FERC Docket No. RD15-4-000 (July 14, 2015) (delegated letter order) (approving Reliability Standard CIP-014-2).

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cascading within an interconnection.”<sup>6</sup> This standard applies to transmission owners, including ComEd, that own transmission substations meeting certain criteria.<sup>7</sup> The Project as it has been designed is part of a consistent security plan being carried out by Exelon (ComEd’s parent company) public utilities nationwide—of which ComEd is one—pursuant to NERC (and FERC) mandatory requirements as explained herein.

CIP-014-2 is one of NERC’s mandatory and enforceable reliability standards. This standard is enforced by NERC under a penalty review policy for mandatory reliability standards approved by FERC, and it is subject to FERC’s enforcement authority and oversight under the Energy Policy Act of 2005.<sup>8</sup> FERC certified NERC as the electric reliability organization in accordance with Section 215 of the Federal Power Act on July 20, 2006.<sup>9</sup> NERC has authority to monitor compliance with its reliability standards and impose penalties for non-compliance.<sup>10</sup>

In sum, the Project at the Substation is being carried out in accordance with FERC and NERC requirements, implementing a mandatory federal reliability requirement for electric transmission owners to protect transmission substations.

To meet the security mandates described above, Exelon created a standardized list of security requirements for implementation by all of its public utility subsidiaries, including ComEd. In turn, ComEd was required to initiate security improvement projects at each substation consistent with the Exelon Security Standards, all to adhere to the goals committed to by the electric energy subsector and the security plan components approved by FERC Order 802. Exelon’s security standards have six stated design goals: (1) Deter; (2) Delay; (3) Detect; (4) Assess; (5) Communicate; and (6) Respond. The Project implements the first three security goals – Deter, Delay and Detect.

The Project consists of a fence which is chain-link on three sides and expanded metal on the fourth side and which is 7 feet tall plus 12” of “Y”-shaped barbed wire (with five 16-foot-tall posts supporting the fence and other security functions). To meet the “Deter” and “Delay” security requirements described above, Exelon, reflecting industry best practice, requires the installation of fencing with outriggers installed on top of the fence. The outriggers must hold one foot of barbed wire using a “Y”-shaped configuration.

<sup>6</sup> NERC, CIP-014-2 – Physical Security, available at <https://www.nerc.com/ layouts/15/PrintStandard.aspx?standardnumber=CIP-014-2&title=Physical%20Security&Jurisdiction=United%20States>

<sup>7</sup> *Id.*

<sup>8</sup> *Rules Concerning Certification of the Electric Reliability Organization; and Procedures for the Establishment, Approval, and Enforcement of Electric Reliability Standards*, 123 FERC ¶ 61,046 (Apr. 17, 2008).

<sup>9</sup> *North American Electric Reliability Corporation*, 116 FERC ¶ 61,062 (2006)

<sup>10</sup> See 16 U.S.C. § 824o(e)(1); 18 C.F.R. 39.7.

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Importantly, installation of barbed wire increases the delay time for any attempted fence climb-over. This has been proven in prior tests, as has been confirmed by ComEd security consultants retained by the company to evaluate the sufficiency of the upgraded fencing at critical infrastructure sites such as this type of substation. The empirical data has proven that outward-facing barbed wire in particular delays a climb-over threat by several seconds. A “Y”-shaped configuration further mitigates climb-over threats, in part because potential intruders typically need additional tools to attempt to compromise the barbed wire, plus the transport by intruders of such additional tools allows for more rapid threat detection. In the security world, seconds can be the difference between, on the one hand, detection and assessment through on-site cameras and other surveillance methods, or, on the other hand, a security operations employee missing an unauthorized intruder. This is particularly true for the Substation, where much of the existing critical equipment is not situated within a building (which obviously provides an additional physical barrier).

Exelon and ComEd’s mandate for barbed wire, reflective of expectations adopted by the U.S. Department of Defense for its own facilities, is mission-critical for safeguarding the Substation from unauthorized access. Prevention of unauthorized entry not only mitigates the risk of injury or death, but also safeguards the reliability of the power supply to the Village and surrounding communities.

ComEd’s need to surface the Expansion Area with CA-6 gravel is similarly tied to the security goals of the Project, along with Substation operational considerations. Using CA-6 along the Substation fence line has key security benefits given that compacted gravel -- and in particular its “fines” (small particles in the ground rock) -- is appropriately resistant to erosion which creates fence gaps, and also resistant to dig-under breach attempts (consistent with the above-mentioned federal security directives and standards). This gravel will be maintained through ComEd’s routine substation maintenance program and its installation will include surface-level retaining “lips” along its outer edge to prevent spillage and further deter dig-under attempts. Similar to barbed wire as described above, ComEd has tested and approved the CA-6 gravel surfacing as appropriate and preferred for its enhanced substation security protocols.

Additionally, there are numerous operational reasons for ComEd’s selection of CA-6 gravel. First, CA-6 is a drive-rated material suitable for ComEd’s vehicles, including heavy maintenance trucks, which will occasionally drive and park temporarily in the Expansion Area. Second, using CA-6 rather than a vegetated surface within the fence line of a secure substation eliminates the need for ComEd or a contractor to perform landscape maintenance inside the Substation fence line, avoiding safety and hazard issues given the Substation’s density of overhead and underground electrical infrastructure. The 3-foot gravel “apron” outside the fence line serves a similar purpose, as it makes it easier for landscaping crews to maintain longer grass and weeds which -- if there were no apron -- might become intertwined in the fence and compromise its function and appearance. Third, given its limited conductivity, CA-6 is necessary to create a safety

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buffer between the underground electrical equipment in the Expansion Area and workers who would be walking on the substation surface. Finally, in the event ComEd needs to access the underground electrical equipment in the Expansion Area for emergency repairs, CA-6 is simpler for ComEd personnel to remove to access the equipment than, for example, decorative stones or asphalt.

## *B. Site Plan*

As can be noted on the Site Plan provided with this application, the new fence installed in the Project will follow the Substation's existing southern, eastern and western fence lines, all of which are located outside of applicable required setbacks. The eastern and western fence lines are located approximately 35 feet and 25 feet, respectively, from the Substation's side lot lines, with mature trees and shrubs screening the fence from the parking lot of the light industrial property to the east and dense mature landscaping separating the Substation from the vacant and industrial properties to the west. The southern fence line is 124 feet from the closest point of the Substation's southern lot line, which abuts a railroad right-of-way and is also well-screened with mature landscaping.

For security purposes given the national context explained above, ComEd currently requires all new fences to be installed a minimum of 10 feet away from existing substation infrastructure. At the Substation, the existing northern fence line runs flush with the northern edge of the Substation control building. By contrast, the new fence line needs to be installed a minimum of 10 feet north of the control building. This 10 feet of space creates a "visibility buffer" area giving ComEd's security cameras optimum visibility of potential intruders.

During its detailed engineering diligence, ComEd discovered that installation of the new northern fence line exactly 10 feet north of the control building (which would be exactly 35 feet from the Substation's northern lot line, just outside of the required front yard setback) would be infeasible due to the existence of a number of critical pieces of underground electrical infrastructure: both (i) a manhole near the Substation's main gate providing worker access to a large underground vault for maintenance of underground electrical equipment, and (ii) underground electrical ducts and conduits north of the control building which enclose feeder lines for local electric power distribution circuits. Placing the northern fence line's fence posts, gate mechanisms and concrete gate apron at a distance of exactly 10 feet north of the control building is infeasible from an engineering perspective because their foundations cannot be securely located due to conflicts with the existing underground infrastructure. Additionally, this location for the fence line is also untenable from a safety perspective, as the gate when opened would be rest directly above the manhole cover, impeding worker entry to and exit from the vault.

So while it was ComEd's original preference to locate the northern fence line exactly 10 feet north of the control building and thus outside of the 35-foot front yard setback, the

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engineering and safety issues described above require ComEd to instead place its new northern fence line 15 feet north of the Substation (as shown on the attached Site Plan), five feet within the required front yard setback.

Despite this change in location, the new fence's placement an additional five feet north will not make a particularly large difference in the fence's appearance when viewed from Oakwood Road, with the fence line still located just under 70 feet from the southern edge of Oakwood Road. After consultation with Village planning staff, ComEd has also changed the design of the fence along the northern fence line to enhance its visual appeal -- what was originally planned to be a gray chain-link fence will now be a black, expanded metal fence which is 75% opaque providing enhanced screening of the Substation improvements.

In order to provide additional visual softening of the northern fence line and contribute to overall appearance of the street-facing portion of the Substation property in accordance with the Zoning Code, ComEd will also implement a new landscaping plan for the Substation's front yard. ComEd has already removed or plans to remove a total of five mature trees and four bushes in the northern area of the Substation property, some of which were in poor or dying condition and others which conflicted with the location of the new northern fence line. ComEd will replace these trees with seven new deciduous trees spread out across the Substation property's front yard.

As can be seen on the Landscaping Plan provided with this application, the deciduous trees to be planted are all canopy trees with exposed areas (sometimes referred to as "view sheds") between the ground and their lowest-lying foliage. The view sheds which will exist upon installation and maturity of ComEd's proposed deciduous trees are deliberate. Consistent with the security objectives of the Project, the view sheds are meant to soften views of the fence elements (such as barbed wire) but also intended -- through keeping would-be intruders and potential intrusion activities exposed to the street -- to deter crimes of opportunity (with copper theft being one of the most common). Through its Landscaping Plan, ComEd is delicately but appropriately balancing security interests (benefiting the Village in terms of reliability and public safety) with the Village's aesthetic interests.

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## Standards for Variation

Sec. 9-17-4(B): Unique Physical Condition: The subject property is exceptional as compared to other lots subject to the same provision by reason of a unique physical condition, including presence of an existing use or structure, whether conforming or nonconforming; irregular or substandard shape or size; exceptional topographical features; or other extraordinary physical conditions peculiar to and inherent in the subject property that amount to more than a mere inconvenience to the owner and that relate to or arise out of the lot rather than the personal situation of the current owner of the lot.

Carrying out the Project is linked to ComEd's unique need to meet the heightened security objectives of PPD-21 and FERC Order 802 and implement electric utility industry requirements and best practices. ComEd is required to enhance security at the Substation in compliance with these federal directives, which do not apply to typical property owners in the Village.

Additionally, the presence of existing underground electrical infrastructure at the Substation is a unique physical condition requiring ComEd to construct the new northern fence line within a small portion of the front yard setback. Due to this condition, ComEd cannot meet its security protocols if it constructs the new northern fence line outside of the minimum required front yard.

Sec. 9-17-4(C): Not Self-Created: The aforesaid unique physical condition is not the result of any action or inaction of the owner, or of the owner's predecessors in title and known to the owner prior to acquisition of the subject property, and existed at the time of the enactment of the provisions from which a variation is sought or was created by natural forces or was the result of governmental action, other than the adoption of this zoning code, for which no compensation was paid.

ComEd did not create the necessity for this variation request. The variations sought to carry out the Project will allow ComEd to provide heightened protection and security consistent with federal and industry directives for public utilities, with which ComEd is obligated to comply.

Sec. 9-17-4(D): Denied Substantial Rights: The carrying out of the strict letter of the provision from which a variation is sought would deprive the owner of the subject property of substantial rights commonly enjoyed by owners of other lots subject to the same provision.

Because ComEd is a public utility, ComEd's rights with regard to the Substation property are inextricably linked to the right of Village citizens to receive reliable electric energy delivery and ComEd's regulatory obligations (and commitments as per its Franchise Agreement with the Village) to provide it. If ComEd is not allowed to properly secure its



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Substation in accordance with industry standards through implementation of the Project, it could be denied the substantial right to continue effectively fulfilling its responsibility as a Village public utility provider.

Sec. 9-17-4(E): Not Merely Special Privilege: The alleged hardship or difficulty is not merely the inability of the owner or occupant to enjoy some special privilege or additional right not available to owners or occupants of other lots subject to the same provision, nor merely an inability to make more money from the use of the subject property; provided, however, that where the standards herein set out exist, the existence of an economic hardship shall not be a prerequisite to the grant of an authorized variation.

This variation request is not based on ComEd's desire to enjoy some special privilege or increase the value of the Substation property. This request is simply meant to facilitate ComEd building its new fence line in a way which overcomes an engineering hurdle relating to existing underground electrical infrastructure. With approval of the variations, ComEd will be able to implement the federally-mandated Project, which is not motivated by ComEd's desire to benefit itself, but rather by ComEd's obligation to benefit its numerous customers in the Village and surrounding areas to whom it distributes power.

Sec. 9-17-4(F): Code And Plan Purposes: The variation would not result in a use or development of the subject property that would be not in harmony with the general and specific purposes for which this zoning code and the provision from which a variation is sought were enacted or the general purpose and intent of the official comprehensive plan.

Approval of this variation request will not result in a use or development of the Substation property which deviates from the purposes and intent of the Zoning Code. ComEd's Substation is a long-standing existing use at this site and currently includes a similar security fence with barbed wire on top. The Village's future planning goals will not be meaningfully affected by allowing ComEd -- a unique property owner in that it is a public utility -- to comply with federal security directives by moving its northern fence line a relatively small distance northward and replacing the fence's material and barbed wire configuration.

Sec. 9-17-4(G): Essential Character Of The Area: The variation would not result in a use or development on the subject property that: 1. Detrimental To Enjoyment: Would be materially detrimental to the public welfare or materially injurious to the enjoyment, use, development, or value of property or improvements permitted in the vicinity; or 2. Light And Air: Would materially impair an adequate supply of light and air to the properties and improvements in the vicinity; or 3. Congestion: Would substantially increase congestion in the public streets due to traffic or parking; or 4. Flood Or Fire: Would unduly increase the danger of flood or fire; or 5. Tax Public Facilities: Would unduly tax public utilities and facilities in the area; or 6. Endangerment: Would endanger the public health or safety.

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The proposed variations for the Project will not alter the essential character of the area in any of the ways listed above. The Substation's existing fence is 6 feet tall plus 12 inches of outward-facing barbed wire on top, so the public welfare should not be materially negatively affected by replacing the existing fence with a 7-foot-tall fence with "Y"-shaped barbed wire on top with only the northern fence line situated 5 feet within the required 35-foot northern setback. The trees planted as part of ComEd's Landscaping Plan will help to soften views of the new northern fence line from Oakwood Road, mitigating the visual effect of the new fence which will be only slightly closer to the road.

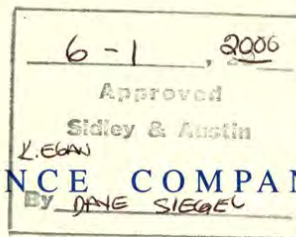
If anything, the Project will *enhance* public welfare by improving security at the Substation through Deterring and Delaying potential intruders who may seek to sabotage key electrical equipment and potentially create outages or other service issues. The public welfare of the Village and surrounding communities is, of course, best served when ComEd can secure its electrical grid to continue offering reliable electric energy.

*Sec. 9-17-4(H): No Other Remedy: There is no means other than the requested variation by which the alleged hardship or difficulty can be avoided or remedied to a degree sufficient to permit a reasonable use of the subject property.*

Without receiving approval for this variation request, ComEd will not be able to meet the heightened security objectives of PPD-21 and FERC Order 802 and implement electric utility industry requirements and best practices. As described in this narrative, ComEd must place its new northern fence line within the front yard setback due to a combination of security and engineering reasons, and ComEd has taken care in its engineering due diligence to confirm that the proposed fence location five feet inside the required front yard setback is the minimum measure of relief necessary to alleviate its hardship in implementing the Project.

AMERICAN LAND TITLE ASSOCIATION  
OWNER'S POLICY  
(10-17-92)

CHICAGO TITLE INSURANCE COMPANY



SUBJECT TO THE EXCLUSIONS FROM COVERAGE, THE EXCEPTIONS FROM COVERAGE CONTAINED IN SCHEDULE B AND THE CONDITIONS AND STIPULATIONS, CHICAGO TITLE INSURANCE COMPANY, a Missouri corporation, herein called the Company, insures, as of Date of Policy shown in Schedule A, against loss or damage, not exceeding the Amount of Insurance stated in Schedule A, sustained or incurred by the insured by reason of:

1. Title to the estate or interest described in Schedule A being vested other than as stated therein;
2. Any defect in or lien or encumbrance on the title;
3. Unmarketability of the title;
4. Lack of a right of access to and from the land.

The Company will also pay the costs, attorneys' fees and expenses incurred in defense of the title, as insured, but only to the extent provided in the Conditions and Stipulations.

*In Witness Whereof*, CHICAGO TITLE INSURANCE COMPANY has caused this policy to be signed and sealed as of Date of Policy shown in Schedule A, the policy to become valid when countersigned by an authorized signatory.

Issued by:  
LAKE COUNTY OFFICE  
870 N. MILWAUKEE AVE.  
VERNON HILLS, IL 60061  
(708) 367-5820

CHICAGO TITLE INSURANCE COMPANY  
By:

*Robert L. Polla*  
President



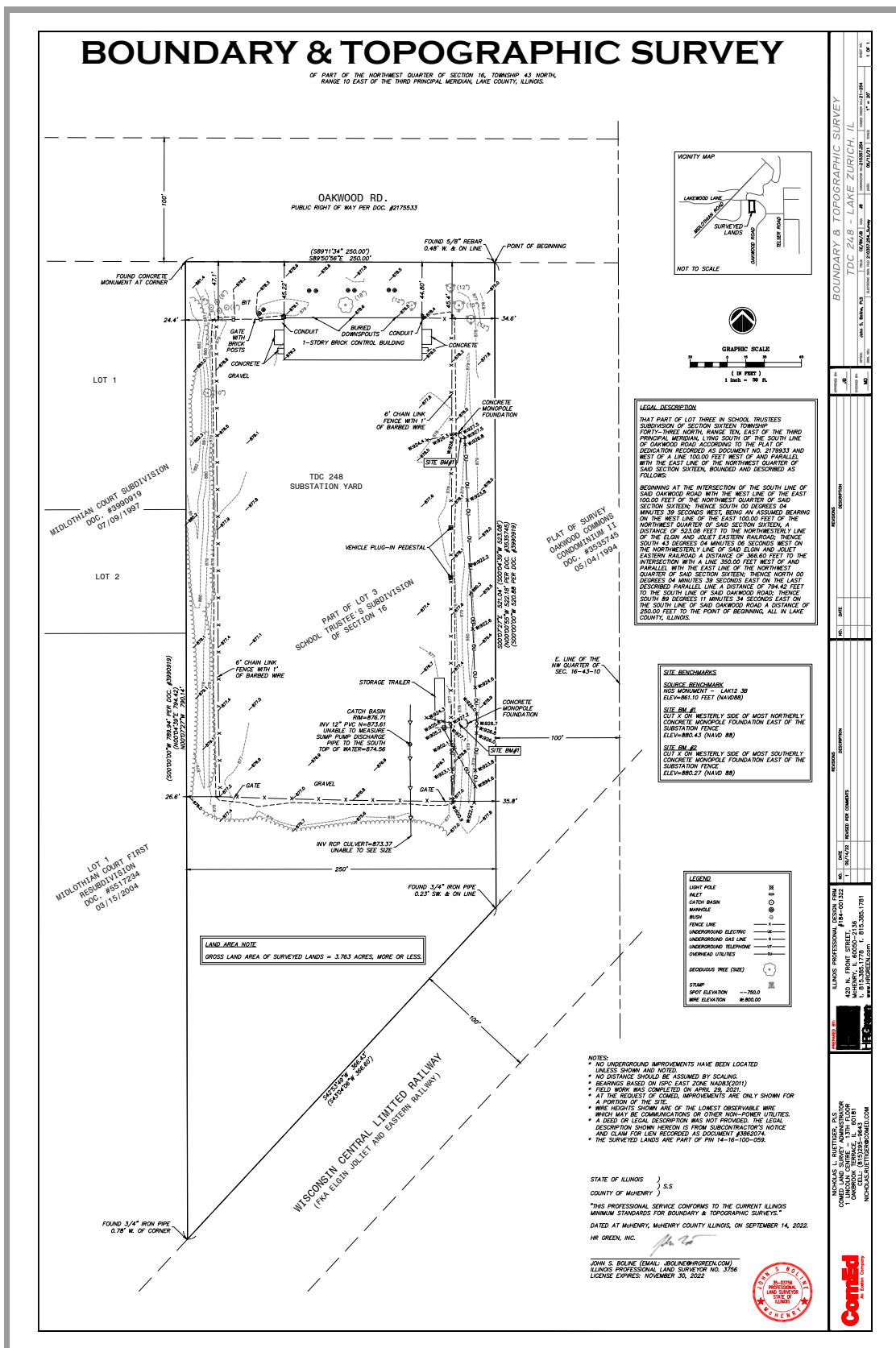
By:  
*Thomas J. Adams*  
Secretary

ALTA Owner's Policy (10-17-92)

**ComEd – TDC 248 Lake Zurich – Legal Description**

THAT PART OF LOT THREE IN SCHOOL TRUSTEES SUBDIVISION OF SECTION SIXTEEN, TOWNSHIP FORTY-THREE NORTH, RANGE TEN, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTH OF THE SOUTH LINE OF OAKWOOD ROAD ACCORDING TO THE PLAT OF DEDICATION RECORDED AS DOCUMENT NO. 2179933 AND WEST OF A LINE 100.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SAID OAKWOOD ROAD WITH THE WEST LINE OF THE EAST 100.00 FEET OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN; THENCE SOUTH 00 DEGREES 04 MINUTES 39 SECONDS WEST, BEING AN ASSUMED BEARING ON THE WEST LINE OF THE EAST 100.00 FEET OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN, A DISTANCE OF 523.08 FEET TO THE NORTHWESTERLY LINE OF THE ELGIN AND JOLIET EASTERN RAILROAD; THENCE SOUTH 43 DEGREES 04 MINUTES 06 SECONDS WEST ON THE NORTHWESTERLY LINE OF SAID ELGIN AND JOLIET EASTERN RAILROAD A DISTANCE OF 366.60 FEET TO THE INTERSECTION WITH A LINE 350.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION SIXTEEN; THENCE NORTH 00 DEGREES 04 MINUTES 39 SECONDS EAST ON THE LAST DESCRIBED PARALLEL LINE A DISTANCE OF 794.42 FEET TO THE SOUTH LINE OF SAID OAKWOOD ROAD; THENCE SOUTH 89 DEGREES 11 MINUTES 34 SECONDS EAST ON THE SOUTH LINE OF SAID OAKWOOD ROAD A DISTANCE OF 250.00 FEET TO THE POINT OF BEGINNING, ALL IN LAKE COUNTY, ILLINOIS.





View looking south  
from across Oakwood





View looking southwest  
from neighboring property



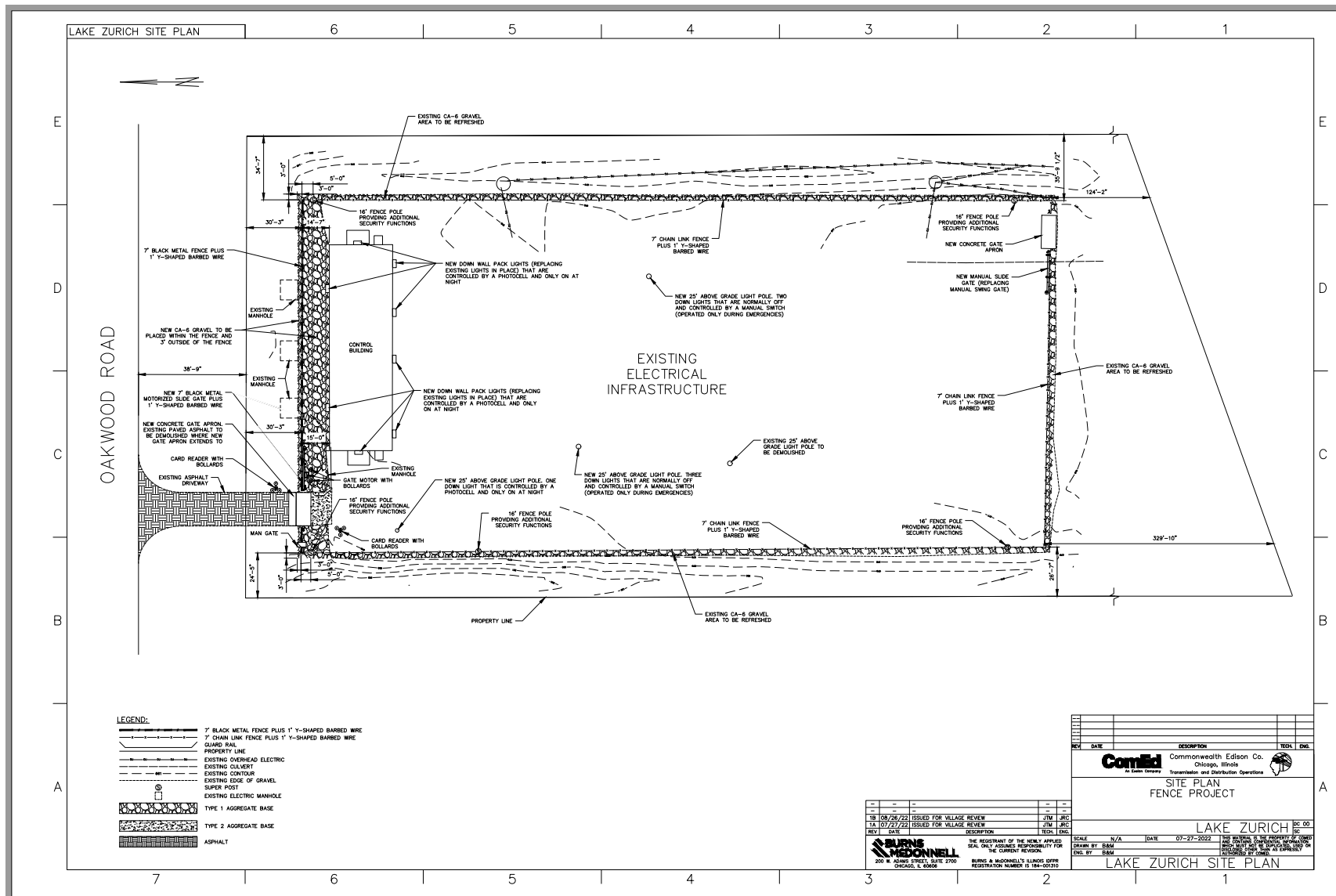


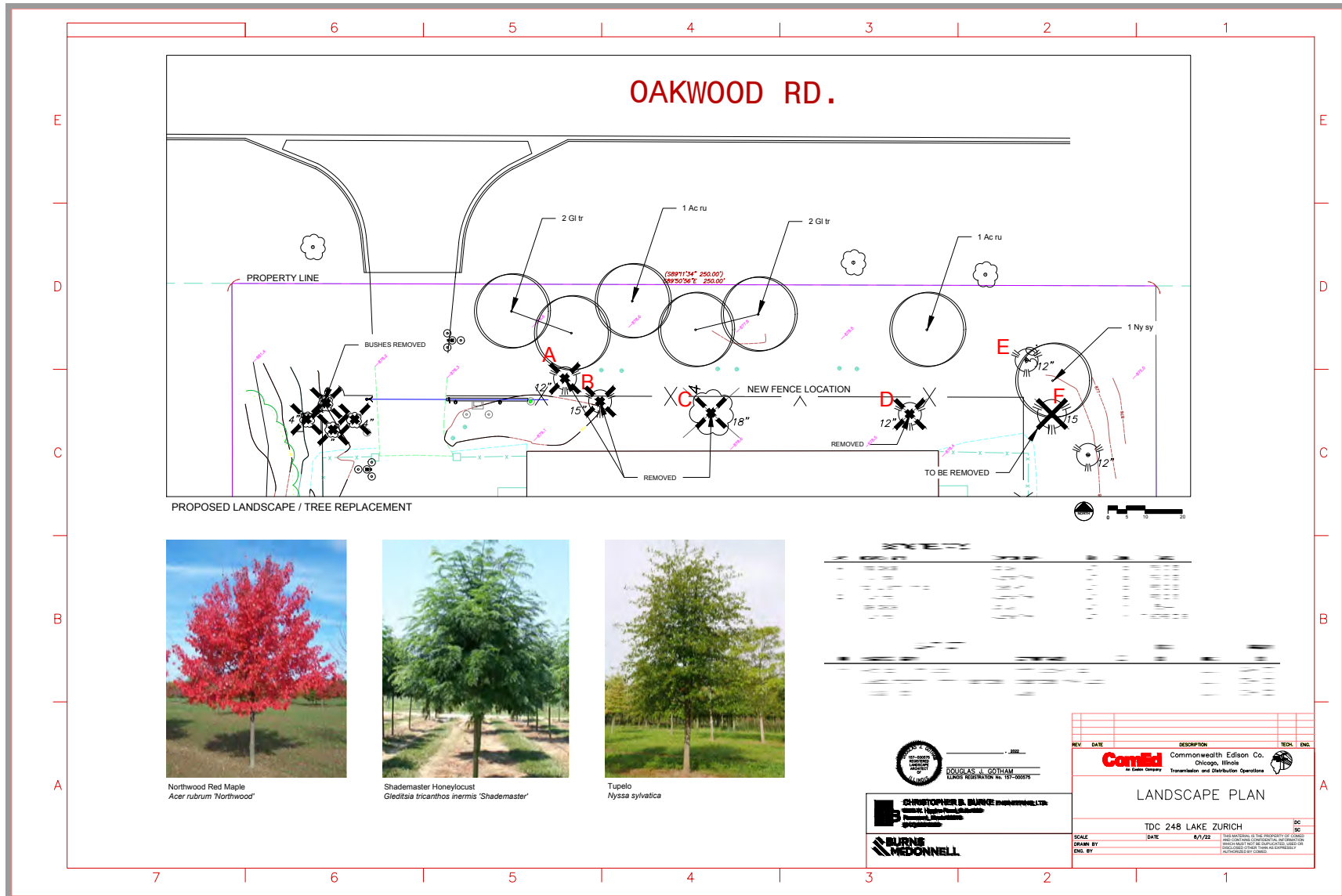


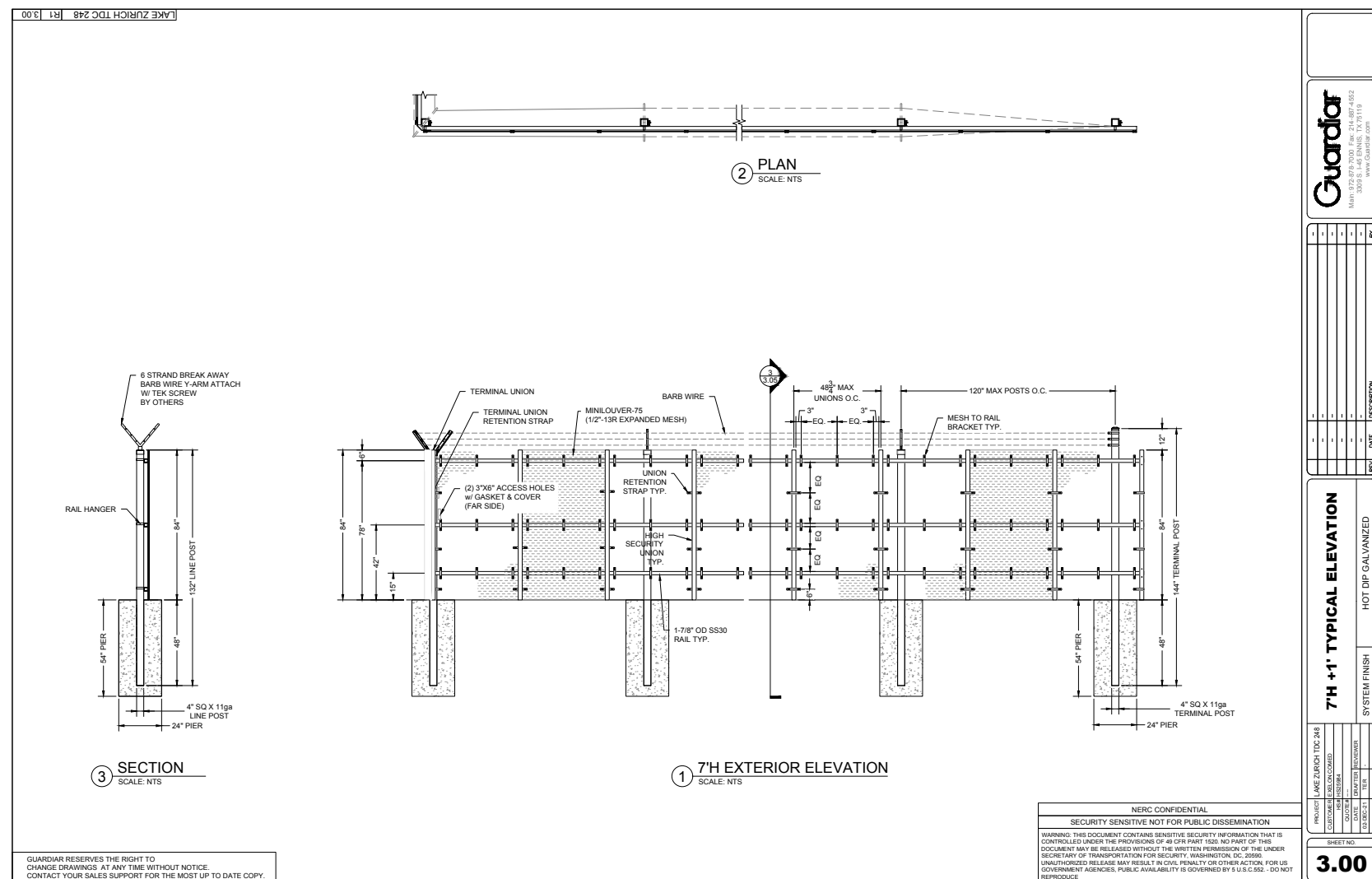
View looking north from  
substation gate

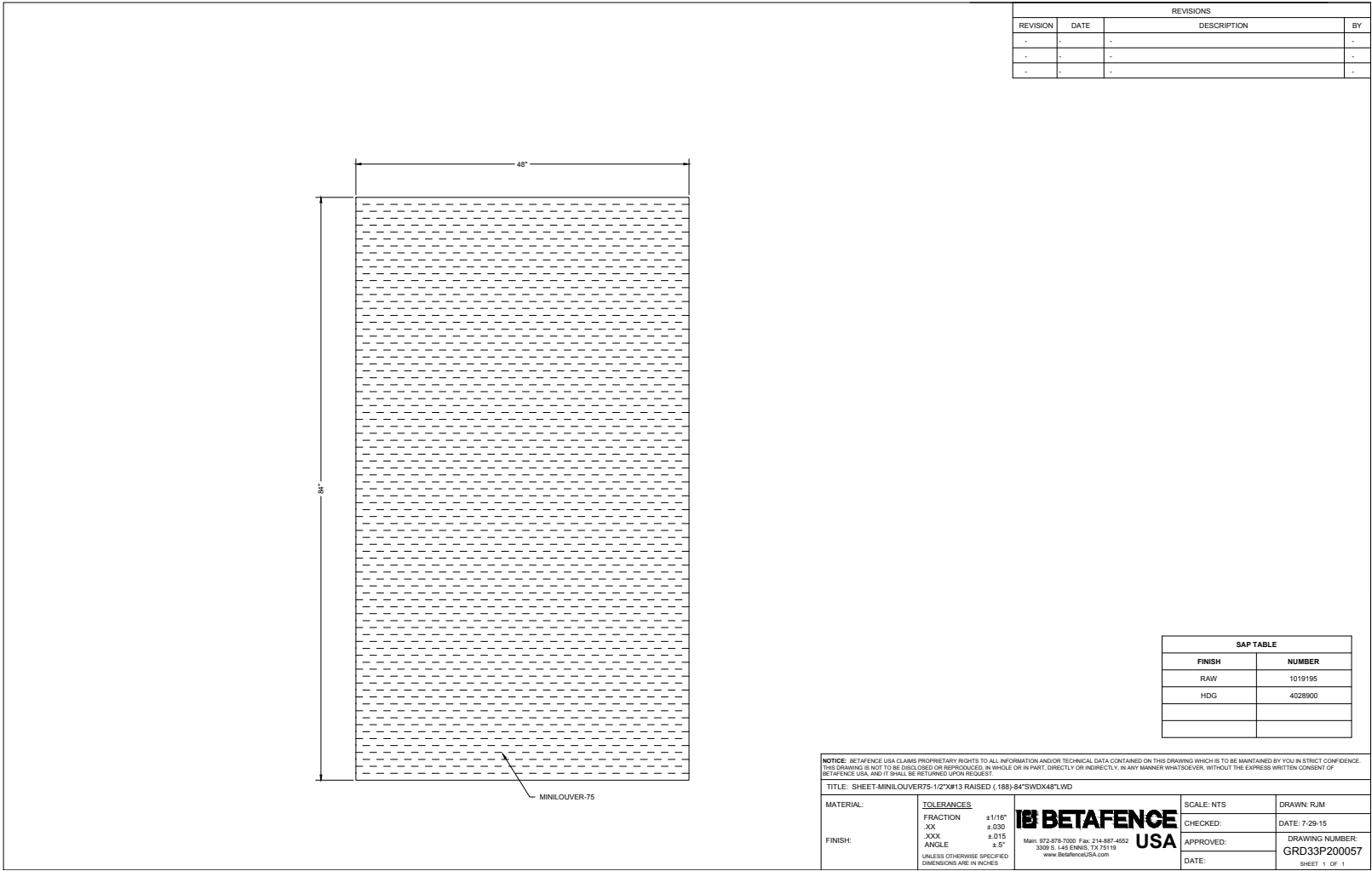














## Fence/Gate Example

Note: 11 ft fence pictured  
(proposed fence is 7 ft)







*At the Heart of Community*

COMMUNITY DEVELOPMENT DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

Phone (847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

AGENDA ITEM

6F

MEMORANDUM

Date: November 7, 2022  
To: Ray Keller, Village Manager  
From: Sarosh Saher, Community Development Director  
CC: Mary Meyer, Building Services Supervisor  
Tim Verbeke, Planner  
Re: **Zoning Variation for a Pool – 1420 Deerp Chase Road**

**Issue:** Mr. Demetrios Tzoras (the “Applicant” and “Owner”), has filed a zoning application for the property at 1420 Deerp Chase Road (the “Subject Property”). Specifically, the Applicant is seeking:

- A Variation from Code Section 9-3-11.E.6.I, Required Setback for Swimming Pools

**Village Strategic Plan:** This agenda item is consistent with the following objectives under Goal #2 – Development:

- Become more business friendly and customer oriented

**Analysis:** The Subject Property is located within the Village’s R-5 Residential District that provides for single-family homes. The R-5 zoning district requires a 23-foot setback for both above and in-ground pools from any rear lot line. Pools may be located no less than 7 feet from any interior side lot line and cannot be placed within any required front yard, corner side yard, or interior side yard. In the case of the subject property, the above ground pool is proposed to be constructed 10 feet from the rear lot line (encroaching 13 feet into the required setback) but will not encroach into the interior side yard or street yard (front yard or corner side yard) setback.

The proposed above-ground pool is 18 foot in diameter, and designed as a non-diving pool with a maximum depth of 4 feet. The pool is requested as a therapeutic treatment measure for the Applicant’s son. A private pool will allow him to complete his therapies and continue to improve and become more independent. The Village has not received any letters of objections to the construction of the pool at the proposed location. The Village is in receipt of a letter of support from the son’s Behavior Specialist. No objectors were present at the public hearing. The applicant will not be affecting either of the side yards or the front yard of the property adjacent to it.

Variation for a Pool – 1420 Deerpark Road  
November 7, 2022

The lot is a corner lot comprising 11,250 square feet. The Applicant has stated that, due to existing property configuration limitations, the proposed location in the rear yard is the only possible location to construct the above-ground pool. The pool will be screened along the rear by a series of mature trees and a fence to maintain sightlines and to not infringe on the neighbor's enjoyment of their property. The area of the rear yard is already completely surrounded by a compliant 5-foot fence per the requirement of the code. The addition of the pool continues to allow the landscaped surface area to remain at 71% which exceeds the minimum requirement of 60%.

Pursuant to public notice published on October 1, 2022, in the Daily Herald, a public hearing has been scheduled with the Lake Zurich Planning & Zoning Commission for October 19, 2022, to consider the Application. On September 30, 2022, the Village posted a public hearing sign on the Subject Property (Exhibit B).

Staff of the Community Development Department evaluated the development against the various standards and provisions of the Lake Zurich Municipal Code and found that under Standard H "No Other Remedy," that there are means other than the requested variation by which the alleged hardship or difficulty can be avoided or remedied to a degree sufficient to permit a reasonable use of the subject property.

The Applicants indicated that they were aware of the 23-foot rear yard setback requirement for pools. They were aware of the staff's analysis stating that in order to meet the code, the proposed pool would either need to be reduced in width or relocated to within 1 foot of the rear wall of the house.

However, the PZC found that the remedies suggested by staff did not necessarily provide reasonable use of the property through the functionality, utility and enjoyment that the Applicants sought with the proposed variation for the pool and therefore voted 7-0 in favor of recommending approval of the requested variation.

The video stream from the PZC meeting can be accessed via the link:  
<https://play.champds.com/lakezurichil/event/70>

A detailed evaluation and summary of the project can be found in the Staff Report that was provided to the Planning and Zoning Commission, which is a part of the attached Ordinance.

**Recommendation:** At their meeting on October 19, 2022, the Planning and Zoning Commission recommended approval of the variation and provided its findings and conditions for approval. These findings are incorporated and made a part of the approval ordinance submitted to the Village Board for consideration, and subject to the following conditions for approval.

While staff indicated that there were remedies available to construct the pool without the need for a variation, these remedies do not provide reasonable use of the property through the functionality, utility and enjoyment that the Applicants sought with the proposed variation for the pool.

Variation for a Pool – 1420 Deerpase Road  
November 7, 2022

Staff therefore recommends approval of the ordinance with the following conditions:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Demetrios Tzoras, homeowner of 1420 Deerpase Rd; and Cover Letter both dated September 28, 2022.
  - b. Exhibit A: Legal Description of the Subject property
  - c. Plat of Survey provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerpase Rd dated September 28, 2022.
  - d. Above-ground Pool Example provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerpase Rd dated September 28, 2022.
2. As further mitigation for development of above-ground pool, the applicant shall agree not to further increase the amount of impervious surface on the parcel, beyond what is being proposed.
3. The Applicant shall ensure that the existing landscape material and proposed fence along the lot lines coterminous with the adjacent properties to the west, north and east that serve as visual screening shall be properly maintained to continue its function as visual screening.
4. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.
- Approval Ordinance including the following exhibits
  - Exhibit A – Legal description of the property
  - Exhibit B – October 19, 2022 Staff Report and PZC final findings, recommendation and conditions
  - Exhibit C – Development Application and attachments dated September 28, 2022



**ORDINANCE NO. 2022-11-481**

**AN ORDINANCE GRANTING A VARIATION  
(1420 Deerchase Road - Swimming Pool)**

WHEREAS, Mr. Demetrios Tzoras ("Applicant") filed an application with the Village of Lake Zurich dated September 28, 2022 ("PZC 2022-18") for the single-family residential property located at 1420 Deerchase Road ("Property"), said Property legally described in Exhibit A, for zoning approval for a variation to the setback requirements applicable to the Property to allow for the construction of an above ground pool to encroach into the required rear yard setback for the Property; and

WHEREAS, said Property is located within the R-5 Single Family Residential Zoning District ("District") in the Village; and

WHEREAS, the Applicant has filed this request for zoning relief which was heard by the Lake Zurich Planning and Zoning Commission ("PZC"); and

WHEREAS, Applicant seeks a variation from the requirement of Section 9-3-11 of the Village of Lake Zurich Zoning Code ("Code") establishing a minimum rear yard setback of 23 feet in the rear yard for this Property in this R-5 Single Family Residential Zoning District for all swimming pools; and

WHEREAS, the R-5 Single Family Residential Zoning District further provides that swimming pools can be located no less than 7 feet from any interior side lot line and cannot be located within any required front yard, corner yard, or side yard; and

WHEREAS, due to the orientation of the house, the allowable rear yard area and setback limitations for the Property, the proposed location in the rear yard is the only possible location to construct the above-ground pool; and

WHEREAS, Applicant seeks a variation from the required 23-foot setback to allow an above ground swimming pool 18 feet in diameter, with a maximum depth of 4 feet, with the pool to encroach 13 feet into the required setback and be located 10 feet from the rear lot line; and

WHEREAS, strict application of the required 23-foot rear yard setback to this Property would leave the Applicant with only 19 feet in the rear yard to install the swimming pool; and

WHEREAS, to reasonably locate the proposed swimming pool within the applicable setbacks, Applicant seeks to place the pool 10 feet from the rear lot line, and in compliance with the Code regulations for the corner front and side yards for this Property; and

WHEREAS, the swimming pool will be screened along the rear of the Property by a series of mature trees and a fence to maintain sightlines and minimize any adverse visual impact on neighboring property; and

WHEREAS, on September 30, 2022, the Village posted a public hearing sign on the Property and public notice of the public hearing was published on October 1, 2022, in the Daily Herald, for a public hearing scheduled with the PZC for October 19, 2022, to consider this Application; and

WHEREAS, the PZC conducted a public hearing on October 19, 2022, to consider the Applicant's request for a variation to allow a reduction in the minimum rear yard setback from the 23 feet required by Section 9-3-11 of the Code, for this Property, in this District, to 10 feet, and did consider the application, documentation submitted and all of the facts and circumstances affecting the application, relative to those requirements and standards for variations set forth at Sections 9-17-2, 9-17-3 and 9-17-4 of the Code, as described in the report and recommendations set forth in the October 19, 2022 STAFF REPORT, consisting of 9 pages, those findings and recommendations of said STAFF REPORT adopted by the PZC as its own at its October 19, 2022 meeting, all 9 pages of said STAFF REPORT attached hereto as Exhibit B; and

WHEREAS, at its October 19, 2022 meeting, the Mayor and Board of Trustees considered the above referenced findings and recommendations of the PZC recommending the grant of this variation in order to afford the Applicant adequate functionality, utility and enjoyment of the proposed pool, and having considered all of the facts and circumstances affecting the application, and has determined that the application adequately meets the applicable standards in Sections 9-17-2, 9-17-3 and 9-17-4 of the Lake Zurich Zoning Code for the Property in this R-5 Single Family Residential Zoning District.

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Lake Zurich, Lake County, Illinois, as follows:

**SECTION 1: *ADOPTION AND INCORPORATION OF RECITALS.*** The foregoing recitals, recommendations, drawings, exhibits and plans are incorporated herein as findings and requirements of the Mayor and Board of Trustees, and all Exhibits referenced herein are made a part of and incorporated into this Ordinance and related approvals, as further provided below.

**SECTION 2: *GRANT OF VARIATION AND CONDITIONS.*** The Mayor and Board of Trustees do hereby accept and adopt the recommendation of the PZC to grant the variation requested by Applicant for a reduction in yard requirements at Section 9-3-11

Paragraph E.6.l from the required rear yard setback of 23 feet to authorize an encroachment of 13 feet to allow a rear yard setback of 10 feet, and, based upon all information and evidence presented to the PZC, approve and adopt the PZC recommendation to grant this variation for the Property subject to the following terms and conditions:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Demetrios Tzoras, homeowner of 1420 Deerchase Rd; and Cover Letter both dated September 28, 2022.
  - b. Exhibit A: Legal Description of the Subject property
  - c. Plat of Survey provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerchase Rd dated September 28, 2022.
  - d. Above-ground Pool Example provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerchase Rd dated September 28, 2022.
2. As further mitigation for development of above-ground pool, the applicant shall agree not to further increase the amount of impervious surface on the parcel, beyond what is being proposed.
3. The Applicant shall ensure that the existing landscape material and proposed fence along the lot lines coterminous with the adjacent properties to the west, north and east that serve as visual screening shall be properly maintained to continue its function as visual screening.
4. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.

**SECTION 3: FINDINGS IN SUPPORT OF VARIATION.** The findings and recommendation of the PZC, based upon its consideration of staff reports and filings provided to the PZC, are hereby accepted by the Board and adopted as its own, based upon all available information from both the PZC hearing and the discussions taking place at the PZC and Board meeting and shall be made a part of the official record for the application.

**SECTION 4: COMPLIANCE WITH ORDINANCE AND ALL CODES.** Except as otherwise specifically provided in writing in advance by the Village, no work may be commenced on the Property pursuant to the approval granted in this Ordinance until all conditions precedent of this Ordinance and Code requirements for such work have been fulfilled and after all permits, approvals, and other authorizations for such work have been properly applied for, paid for, and granted in accordance with applicable law.

**SECTION 5: SEVERABILITY.** If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent

jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

SECTION 6: *CONFLICTS*. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 7: *EFFECTIVE DATE*. This Ordinance shall be in full force and effect upon its passage and approval and publication, as provided by law.

PASSED THIS 7<sup>th</sup> day of November, 2022.

Ayes:

Nays:

Absent:

APPROVED this 7<sup>th</sup> day of November, 2022.

\_\_\_\_\_  
Mayor Tom Poynton

ATTEST:

\_\_\_\_\_  
Village Clerk  
Kathleen Johnson

EXHIBIT A  
Legal Description of Property

LOT 1 IN BLOCK 6 IN COUNTRYSIDE OF LAKE ZURICH, UNIT# 2A, BEING A SUBDIVISION OF PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND PART OF THE SOUTHWEST 1/4 OF SECTION 28, TOWNSHIP 43 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MAY 19, 1977 AS DOCUMENT #1837817, AND CORRECTED BY CERTIFICATE OF CORRECTION RECORDED APRIL 4, 1978 AS DOCUMENT #19076382, IN LAKE COUNTY, ILLINOIS.

Parcels Involved: 14-28-302-016



**EXHIBIT B**

Staff Report Dated October 19, 2022

Exhibit C

Development Application and attachments dated September 28, 2022



*At the Heart of Community*

COMMUNITY DEVELOPMENT DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

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Fax (847) 726-2182  
LakeZurich.org

**APPLICATION PZC 2022-18**  
**PZC Hearing Date: October 19, 2022**

**AGENDA ITEM 4.A**

**STAFF REPORT**

To: Chairperson Stratman and Members of the Planning & Zoning Commission

From: Sarosh Saher, Community Development Director

CC: Mary Meyer, Building Services Supervisor  
Tim Verbeke, Planner

Date: October 19, 2022

Re: PZC 2022-18 Zoning Variation for Pool at 1420 Deerpchase Road

**SUBJECT**

Mr. Demetrios Tzoras (the “Applicant” and “Owner”) request a Variation from Zoning Code Section 9-3-11-C-3, Residential Minimum Yards: Rear Yard to allow for the construction of an above-ground pool that will encroach into the required 23-foot rear yard setback at the property commonly known as 1420 Deerpchase Road, legally described in Exhibit A attached hereto (the “Subject Property”).

**GENERAL INFORMATION**

Requested Action: Variation

Current Zoning: R-5 Single Family Residential District

Current Use: Single Family Home

Property Location: 1420 Deerpchase Road

Applicant and Owner: Mr. Demetrios Tzoras

Staff Coordinator: Tim Verbeke, Planner

**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

**LIST OF EXHIBITS**

- A. Legal Description
- B. Public Hearing Sign
- C. Site Photos
- D. Aerial Map
- E. Zoning Map
- F. Parcel Map
- G. Development Application and Attachments
- H. Development Review Comments

**BACKGROUND**

Mr. Demetrios Tzoras (the “Applicant”), is the owner of the property located at 1420 Deerpark Road, and legally described in Exhibit A attached hereto (the “Subject Property”). The Applicant filed an application with the Village of Lake Zurich received on September 30, 2022 (the “Application”) seeking:

- A Variation from Code Section 9-3-11-C-3, Residential Minimum Yards: Rear Yard

The Subject Property is located within the Village’s R-5 Residential District that provides for single-family homes. The R-5 zoning district requires a 23-foot setback for both above and in-ground pools from any rear lot line. Pools may be located no less than 7 feet from any interior side lot line and cannot be placed within any required front yard, corner side yard, or interior side yard. In the case of the subject property, the above ground pool is proposed to be constructed 10 feet from the rear lot line (encroaching 13 feet into the required setback) but will not encroach into the interior side yard or street yard (front yard or corner side yard) setback.

Currently, there is a 12-foot x 10-foot shed in the rear yard that is located 15 feet from the rear lot line and within the allowable rear yard setback. The proposed above-ground pool will encroach 5 feet farther into the rear yard than the existing shed. The owners will obtain the clearance from all utility companies to install the above ground pool in the rear yard prior to construction. There are no Village utility easement requirements or grade concerns that would prevent the pool from being constructed in the rear portion of this lot, since the pool is being constructed 10 feet from the rear lot line, just outside the 10-foot utility & drainage easement.

The proposed above-ground pool is 18 foot in diameter, and designed as a non-diving pool with a maximum depth of 4 feet. The pool is requested as a therapeutic treatment measure for the Applicant’s son. A private pool will allow him to complete his therapies and continue to improve and become more independent. The Village has not received any letters of objections to the construction of the pool at the proposed location. The Village is in receipt of a letter of support from the son’s Behavior Specialist. The applicant will not be affecting either of the side yards or the front yard of the property adjacent to it.

The Applicant has stated that, due to existing property configuration limitations, the proposed location in the rear yard is the only possible location to construct the above-ground pool. The rear yard on the property is 42 feet deep. With a 23-foot setback, the property owner is left with 19 feet

**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

to install the pool. Since the pool is 18 feet in diameter, it would require the pool to be located 1 foot from the house, leading to potential drainage issues.

As such, to accommodate the pool proposed by the applicant, it would be set back 10 feet from the rear lot line (encroach 13 feet into the required 23-foot setback), 18 feet off the east interior side lot line, and 54 feet off the west corner side lot line, which are in compliance with the Lake Zurich Zoning Code regulations. The pool will be screened along the rear by a series of mature trees and a fence to maintain sightlines and to not infringe on the neighbor's enjoyment of their property. The area of the rear yard is already completely surrounded by a compliant 5-foot fence per the requirement of the code.

Pursuant to public notice published on October 1, 2022, in the Daily Herald, a public hearing has been scheduled with the Lake Zurich Planning & Zoning Commission for October 19, 2022, to consider the Application. On September 30, 2022, the Village posted a public hearing sign on the Subject Property (Exhibit B).

Staff offers the following additional information:

- A. Courtesy Review.** Due to the low impact of this project, courtesy review was not recommended.
- B. Zoning History.** The property is located within the Countryside Subdivision on Lot 1, which was recorded on May 19, 1977 in Lake County and is zoned within the R-5 Single Family Residential District. The existing home was built in 1977. Using documents from the Lake County's collection of aerial photographs, Staff was able to conclude that the home has not had major exterior alteration since initial construction.
- C. Surrounding Land Use and Zoning.** The subject property is zoned within the R-5 Single Family Residential District. The surrounding properties to the north, south, east, and west are zoned within the R-5 Single Family Residential District and are improved with residences within Countryside Subdivision developed in the mid to late 1970s.
- D. Trend of Development.** The residence at 1420 Deerpark Rd was constructed in 1977. It is a two-story home and is similar to other homes in the subdivision that were constructed in the mid to late 1970s.
- E. Zoning District.** The zoning code provides for four (4) zoning districts for single-family residential development. The single-family districts provide for a limited range of single-family detached housing densities consistent with the village's established single-family residential neighborhoods. The R-5 district allows for somewhat higher density residential use and smaller lot sizes.

Taken as a whole, the residential district regulations are intended to preserve established neighborhoods and encourage new residential development, but only in a manner consistent with the overall character of the village. (Ord., 10-2004)

**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

- F. General provisions for the granting of variations.** The purpose of the variation procedure is intended to provide a narrowly circumscribed means by which relief may be granted from unforeseen particular applications of the zoning code that create practical difficulties or particular hardships for which no other remedy is available.

Section 9-17-3 entitled “Authorized Variations” provides a list of the zoning code provisions that may be varied by authority of the Village Board. The requested variation is an authorized variation.

**GENERAL FINDINGS**

Staff of the Community Development Department and its development review team have evaluated the development against the various standards and provisions of the Lake Zurich Municipal Code and offer findings on specific sections of the Code as they relate to the development of the property.

Staff finds that under Standard H “No Other Remedy,” that there are means other than the requested variation by which the alleged hardship or difficulty can be avoided or remedied to a degree sufficient to permit a reasonable use of the subject property.

However, to provide the property owner with due procedure to be heard by the PZC, staff has evaluated the request for a variation against the standards provided in Section 9-17-4 of the Zoning Code.

**9-17-4: STANDARDS FOR VARIATIONS.**

- A. General Standard: No variation shall be granted pursuant to this chapter unless the applicant shall establish that carrying out the strict letter of the provisions of this zoning code would create a particular hardship or a practical difficulty. Such a showing shall require proof that the variation being sought satisfies each of the standards set forth in this section.

**Staff Response: Standard met. The Applicant has demonstrated that there is a practical difficulty in constructing the above-ground pool in compliance with the provisions of the zoning code.**

**Staff has determined that there are no other potential locations on the property where an above-ground pool could be constructed and not violate the setback requirements. These include the interior side yard, the front yard and the corner side yard of the property.**

- B. Unique Physical Condition: The subject property is exceptional as compared to other lots subject to the same provision by reason of a unique physical condition, including presence of an existing use or structure, whether conforming or nonconforming; irregular or substandard shape or size; exceptional topographical features; or other extraordinary physical conditions peculiar to and inherent in the subject property that amount to more

**Staff Report**  
**APPLICATION PZC 2022-18**

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than a mere inconvenience to the owner and that relate to or arise out of the lot rather than the personal situation of the current owner of the lot.

**Staff Response: Standard partially met. There is no unique physical condition, presence of an existing use or structure, irregular or substandard shape or size; exceptional topographical features; or other extraordinary physical conditions that would make the subject property unique from its immediately surrounding properties and thereby warrant a variation. The subject property is consistent in dimension and size with the neighboring properties at 800 Woodbine Cir and 12 E Harbor Dr directly to the north and west of the subject property.**

The 18-foot pool is proposed to be setback 10 feet from the rear lot line, 18 feet off the east side lot line, and 54 feet of the west side lot line (behind the building line). The proposal could meet the requirements of the zoning code and not need a variation through the following options recommended by staff:

- The pool manufacturing company offers 15-foot round pools or 12x19 rectangular pools as their smallest sizes:
  - A 15-foot round pool located outside of the setback will need to be located 4 feet from the house
  - A 12x19 pool located outside of the setback will need to be located 7 feet from the house, OR
- Move the entire pool so that it is setback 1 foot from the foundation of the house, therefore meeting the 23-foot rear yard setback.

- C. Not Self-Created: The aforesaid unique physical condition is not the result of any action or inaction of the owner, or of the owner's predecessors in title and known to the owner prior to acquisition of the subject property, and existed at the time of the enactment of the provisions from which a variation is sought or was created by natural forces or was the result of governmental action, other than the adoption of this zoning code, for which no compensation was paid.

**Staff Response: Standard met. The unique or extraordinary physical condition was not the result of any action of the property owner, rather a result of the design and configuration of the original developer who was not known to the current property owner.**

- D. Denied Substantial Rights: The carrying out of the strict letter of the provision from which a variation is sought would deprive the owner of the subject property of substantial rights commonly enjoyed by owners of other lots subject to the same provision.

**Staff Response: Standard met. The owner is requesting an 18 foot in diameter above-ground pool. Denying the above-ground pool to be built would deny the property owners the opportunity to enjoy a feature offered to other residents at its most practical utility.**

- E. Not Merely Special Privilege: The alleged hardship or difficulty is not merely the inability of the owner or occupant to enjoy some special privilege or additional right not available

**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

to owners or occupants of other lots subject to the same provision, nor merely an inability to make more money from the use of the subject property; provided, however, that where the standards herein set out exist, the existence of an economic hardship shall not be a prerequisite to the grant of an authorized variation.

**Staff Response: Standard met. The hardship does not involve the inability of the owner to enjoy any special privilege in using the property. Granting the variation will allow the current owners to enjoy an above-ground pool that is traditional and customary to the enjoyment and use of a residential property in a manner similar to other properties in this area.**

- F. Code and Plan Purposes: The variation would not result in a use or development of the subject property that would be not in harmony with the general and specific purposes for which this zoning code and the provision from which a variation is sought were enacted or the general purpose and intent of the official comprehensive plan.

**Staff Response: Standard met. Granting the variation would not change the residential use of the Subject Property. The location and design of the home, potential above-ground pool and other accessory structures will continue to remain in harmony with the residential purpose of the zoning code and comprehensive plan. The inclusion of a pool on the property would not detract from any stormwater drainage on the property as it is currently designed to accommodate overland drainage through the provision of easements on three sides of the property.**

- G. Essential Character of the Area: The variation would not result in a use or development on the subject property that:

1. Detrimental to Enjoyment: Would be materially detrimental to the public welfare or materially injurious to the enjoyment, use, development, or value of property or improvements permitted in the vicinity; or

**Staff Response: Standard met. Granting of the variation will not create a negative effect on public welfare, enjoyment, development, or value of property if the Applicant is granted the requested variation.**

2. Light and Air: Would materially impair an adequate supply of light and air to the properties and improvements in the vicinity; or

**Staff Response: Standard met. Granting of the variation would have no effect on the supply of light and air to the subject property or those properties in the vicinity as the Applicants only wish to construct an above-ground pool and surrounding fence that will be no greater than the height of the principal structure. The proposed above-ground pool will be built to modern standards of the building code.**

3. Congestion: Would substantially increase congestion in the public streets due to traffic or parking; or



**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

**Staff Response: Standard met. Granting of the variation would not increase any congestion due to traffic or parking as the land use of the property is not being changed.**

4. Flood or Fire: Would unduly increase the danger of flood or fire; or

**Staff Response: Standard met. The proposed above-ground pool will conform to current building codes.**

5. Tax Public Facilities: Would unduly tax public utilities and facilities in the area

**Staff Response: Standard met. Granting of the variation would not cause the property to tax public utilities or facilities in the area other than what is currently caused by the use and function of the existing residence and the traditional customary water usage of a pool, charges and fees for which are being borne by the property owner.**

6. Endangerment: Would endanger the public health or safety.

**Staff Response: Standard met. The proposed variation would not affect the public's health, safety or welfare. The proposed 18 foot in diameter above-ground pool will be surrounded by a fence as required by the building codes.**

- H. No Other Remedy: There is no means other than the requested variation by which the alleged hardship or difficulty can be avoided or remedied to a degree sufficient to permit a reasonable use of the subject property.

**Staff Response: Standard partially met. The Applicant has stated that the requested variation is the only option for the Applicant to build the above-ground pool and the proposed location is the minimum adjustment that the property owner can accommodate to include the requested level of functionality, utility and enjoyment. However, staff has determined that the Applicant has the ability to construct the said pool in a manner that will meet the requirements of the zoning codes thereby not requiring a variation.**

- The pool manufacturing company offers 15-foot round pools or 12x19 rectangular pools as their smallest sizes:
  - A 15-foot round pool located outside of the setback will need to be located 4 feet from the house
  - A 12x19 rectangular pool located outside of the setback will need to be located 7 feet from the house, OR
- Locate the entire 18-foot pool so that it is setback 1 foot from the foundation of the house, therefore meeting the 23-foot rear yard setback.

**While these suggested remedies would allow for compliance with the setback requirements, they may not necessarily provide reasonable use of the property through the functionality, utility and enjoyment that the Applicant seeks with the proposed variation.**

**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

**RECOMMENDATION**

The recommendation of the Planning and Zoning Commission should be based on the standards included in the following Sections of the Lake Zurich Municipal Code:

- Section 9-17-4: Standards for Variations

Section 9-17-5 entitled “Variation less than requested” provides the PZC with the option of granting a variation less than or different from that requested when the record supports the applicant's right to some relief but not to the relief requested. Using the authority of this standard, the PZC may require that the distance of the pool from the house be reduced from 14 feet to 10 feet, thereby allowing the pool to encroach 9 feet into the rear yard setback.

Based on the review of the standards for approval which have been met with the exception of Standard H, staff recommends that the Planning and Zoning Commission make these standards a part of the official record of the Application.

Should the PZC recommend approval of the Variation as requested to afford the Applicant functionality, utility and enjoyment of the proposed pool, Staff of the Community Development Department recommends that the following conditions be incorporated in the Findings of the PZC:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Demetrios Tzoras, homeowner of 1420 Deerpark Rd; and Cover Letter both dated September 28, 2022.
  - b. Exhibit A: Legal Description of the Subject property
  - c. Plat of Survey provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerpark Rd dated September 28, 2022.
  - d. Above-ground Pool Example provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerpark Rd dated September 28, 2022.
2. As further mitigation for development of above-ground pool, the applicant shall agree not to further increase the amount of impervious surface on the parcel, beyond what is being proposed.
3. The Applicant shall ensure that the existing landscape material and proposed fence along the lot lines coterminous with the adjacent properties to the west, north and east that serve as visual screening shall be properly maintained to continue its function as visual screening.
4. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.

Respectfully Submitted,

Tim Verbeke, Planner

Staff Report  
APPLICATION PZC 2022-18

Community Development Department  
PZC Hearing Date: October 19, 2022

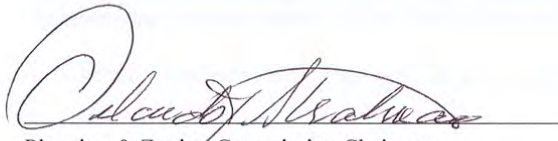
**LAKE ZURICH PLANNING & ZONING COMMISSION  
FINAL FINDINGS & RECOMMENDATIONS**

**1420 DEERCHASE ROAD  
OCTOBER 19, 2022**

The Planning & Zoning Commission recommends approval of Application PZC 2022-18, subject to any changes or approval conditions as listed below:

1. Substantial conformance with the following documentation submitted as part of the application and subject to revisions required by Village Staff, Village Engineer, and any applicable governmental agencies:
  - a. Zoning Application prepared by Mr. Demetrios Tzoras, homeowner of 1420 Deerchase Rd; and Cover Letter both dated September 28, 2022.
  - b. Exhibit A: Legal Description of the Subject property
  - c. Plat of Survey provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerchase Rd dated September 28, 2022.
  - d. Above-ground Pool Example provided by Mr. Demetrios Tzoras, homeowner of 1420 Deerchase Rd dated September 28, 2022.
2. As further mitigation for development of above-ground pool, the applicant shall agree not to further increase the amount of impervious surface on the parcel, beyond what is being proposed.
3. The Applicant shall ensure that the existing landscape material and proposed fence along the lot lines coterminous with the adjacent properties to the west, north and east that serve as visual screening shall be properly maintained to continue its function as visual screening.
4. The development shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich.

- ☒ Without any further additions, changes, modifications and/or approval conditions.
- ☐ With the following additions, changes, modifications and/or approval conditions:

  
Planning & Zoning Commission Chairman

**Staff Report**  
**APPLICATION PZC 2022-18**

**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

**EXHIBIT A**  
**LEGAL DESCRIPTION OF SUBJECT PROPERTY**

LOT 1 IN BLOCK 6 IN COUNTRYSIDE OF LAKE ZURICH, UNIT# 2A, BEING A SUBDIVISION OF PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND PART OF THE SOUTHWEST 1/4 OF SECTION 28, TOWNSHIP 43 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MAY 19, 1977 AS DOCUMENT #1837817, AND CORRECTED BY CERTIFICATE OF CERTIFICATE OF CORRECTION RECORDED APRIL 4, 1978 AS DOCUMENT #19076382, IN LAKE COUNTY, ILLINOIS.

Parcels Involved: 14-28-302-016

**Staff Report**  
**APPLICATION PZC 2022-18**

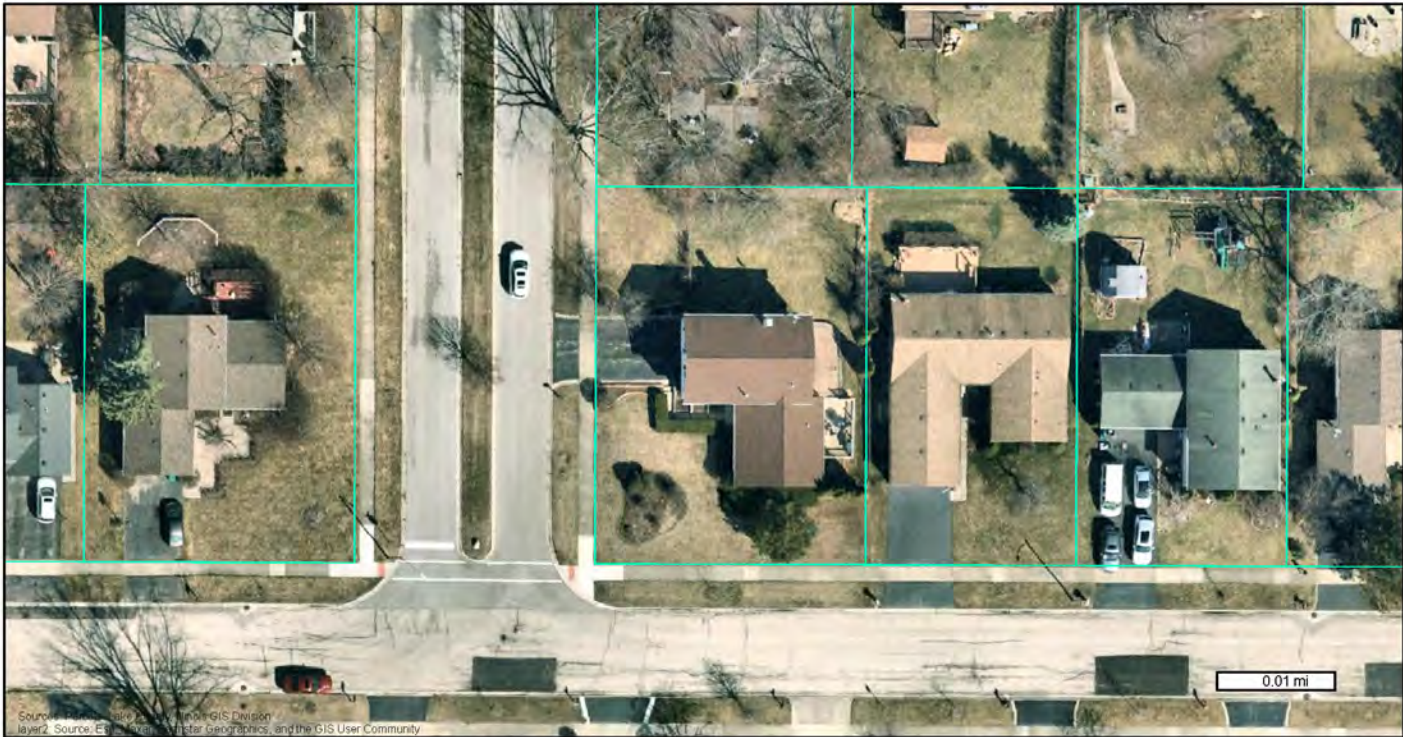
**Community Development Department**  
**PZC Hearing Date: October 19, 2022**

**EXHIBIT B**  
**HEARING SIGN ON SUBJECT PROPERTY**





1420 DeerpCHASE



Lake County, Illinois



Map Printed on 10/7/2022



☐ Tax Parcel Lines  
Tax Parcel  
Information

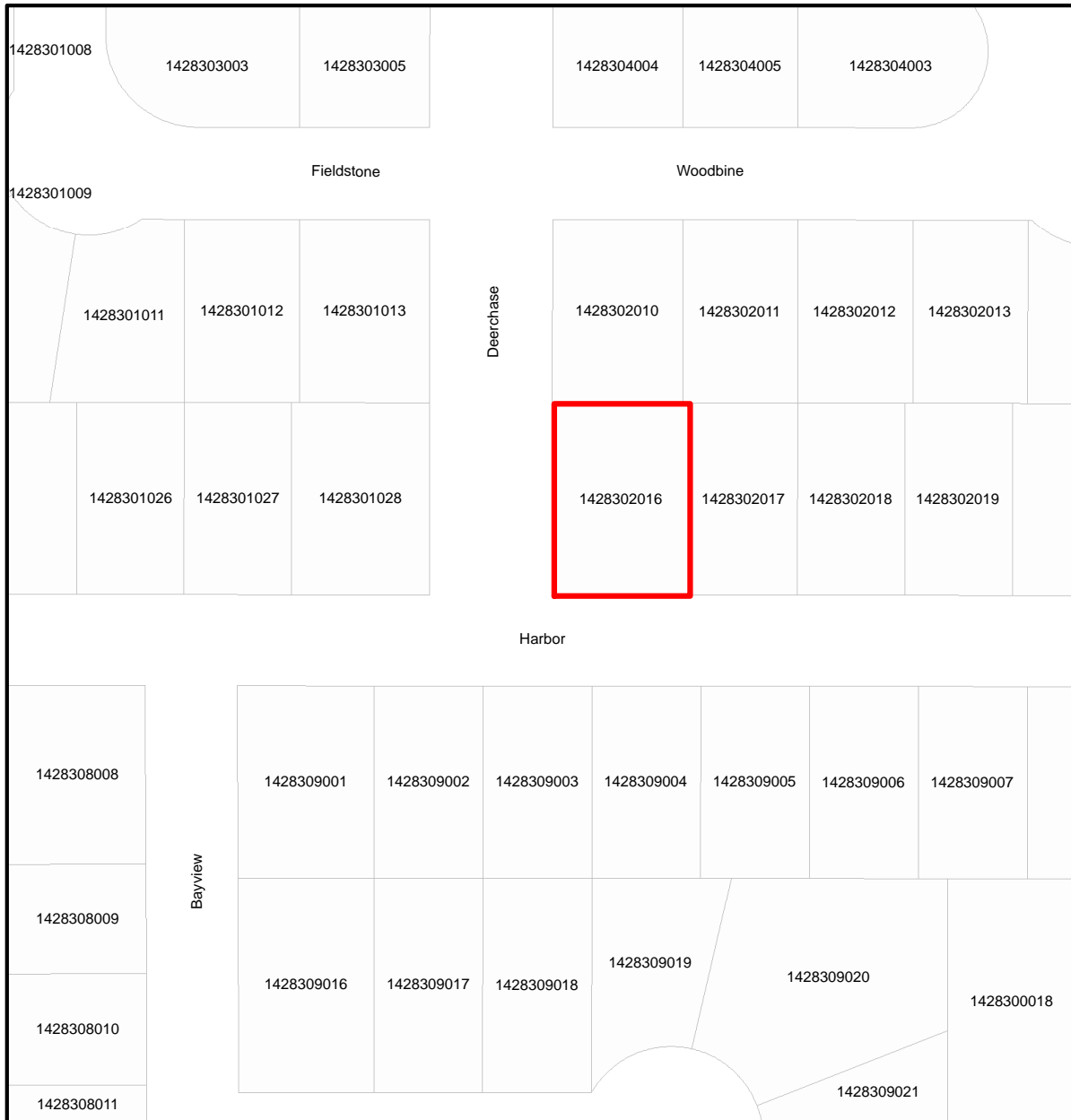
Disclaimer:

The selected feature may not occur anywhere in the current map extent. A Registered Land Surveyor should be consulted to determine the precise location of property boundaries on the ground. This map does not constitute a regulatory determination and is not a base for engineering design. This map is intended to be viewed and printed in color.



# Pool Variation

## 1420 Deerchase Rd



COMMUNITY SERVICES DEPARTMENT  
Building and Zoning Division  
505 Telser Road, Lake Zurich, Illinois 60047

(847) 540-1696  
Fax: (847) 726-2182  
LakeZurich.org



# Pool Variation

## 1420 Deerchase



COMMUNITY SERVICES DEPARTMENT  
Building and Zoning Division  
505 Telser Road, Lake Zurich, Illinois 60047

(847) 540-1696  
Fax: (847) 726-2182  
LakeZurich.org



**ZONING APPLICATION**

Community Development Department

505 Telser Rd.

Lake Zurich, IL 60047

Phone: (847) 540-1696

Fax: (847) 540-1769

(Please Type or Print)

1. Address of Subject Property: 1420 Deerchase Rd Lake Zurich IL 60047

2. Please attach complete legal description

3. Property Identification number(s): \_\_\_\_\_

4. Owner of record is: \_\_\_\_\_ Phone: 708-508-3020E-Mail demetriosjohn@yahoo.com Address: 1420 Deerchase Rd. Lake Zurich IL 60047

5. Applicant is (if different from owner): \_\_\_\_\_ Phone: \_\_\_\_\_

E-Mail \_\_\_\_\_ Address: \_\_\_\_\_

6. Applicant's interest in the property (owner, agent, realtor, etc.): \_\_\_\_\_

7. All existing uses and improvements on the property are: Primary residential Home8. The proposed uses on the property are: Install above ground swimming pool

9. List any covenants, conditions, or restrictions concerning the use, type of improvements, setbacks, area, or height requirements placed on the Subject Property and now of record and the date of expiration of said restrictions:

City requires 23ft setback, I need a 10ft setback

10. Describe any contract or agreement of any nature relevant to the sale or disposal of the Subject Property:

11. For applications requiring a public hearing, please attach a list which contains the PIN, owner, and owner's mailing address of all properties located within 250 feet (excluding all Public Right-of-Ways) of the Subject Property.

THE APPLICANT'S SIGNATURE BELOW INDICATES THE INFORMATION CONTAINED IN THIS APPLICATION AND ON ANY ACCOMPANYING DOCUMENTS IS TRUE AND CORRECT.  
THE APPLICANT ALSO ACKNOWLEDGES IF THE CONSULTANT EXPENSES EXCEED THE INITIAL ESCROW DEPOSIT, THE APPLICANT WILL REIMBURSE THE ACCOUNT IMMEDIATELY.

Demetrios Tzoras

(Name of applicant)

(Signature of applicant)

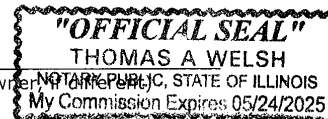
Subscribed and sworn to before me this 29 day of Sept., 2022.

(Notary Public)

My Commission Expires 5-24-25

(Name of Owner, if different)

(Signature of Owner)



Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

(Notary Public)

My Commission Expires \_\_\_\_\_

Please indicate what form of zoning relief your application requires. For assistance, please contact Staff:

☐ Zoning Code **Map** Amendment to change zoning of Subject Property from 23 to 10

☐ Zoning Code **Text** Amendment to amend the following section(s) of the Zoning Code Backyard Setback

(See Section 18-103 of the Lake Zurich Zoning Code for specific standards. If a specific parcel is the subject of this amendment, then provide the additional information listed in Section 18-103C.)

☐ Special Use Permit/Amendment for \_\_\_\_\_

(See Section 19-103 of the Lake Zurich Zoning Code for specific standards.)

☐ Planned Unit Development/Major Adjustment/Amendment

(Planned Unit Developments are a distinct category of special use and are intended to create a more desirable environment than through strict application of the zoning and subdivision regulations. See Section 22-105 of the Lake Zurich Zoning Code for specific standards. Please list all the 'modifications' requested in the cover letter.)

☒ Variation for 23<sup>ft</sup> swimming pool placement to 10<sup>ft</sup> swimming pool placement

(See Section 17-104 of the Lake Zurich Zoning Code for specific standards. Please indicate what your specific hardships are in the cover letter.)

☐ Modification to the Land Development Code (includes retaining walls more than 2 feet in height)

(See Section 10-6-18 of the Land Development Code for specific standards.)

☐ Preliminary Plat of Subdivision

☐ Final Plat of Subdivision or Amendment to Plat of Subdivision

(See Sections 10-5-2 and 10-5-9 of the Land Development Code for specific standards.)

☐ Site Plan Approval/Major Adjustment/Amendment

(See Section 20-103 of the Lake Zurich Zoning Code for specific standards.)

☐ Exterior Appearance Approval or Amendment

(See Section 21-103 of the Lake Zurich Zoning Code for specific standards.)

#### APPLICATION TO ANNEX CERTAIN TERRITORY

All land annexed to the Village is classified automatically after such annexation in the R-1\2 Single Family Residential District. The owner must file an application for a Zoning Map amendment if he or she desires a different zoning classification for the Subject Property.

☐ Petition to Annex Certain Territory (Please complete attached petition)

☐ Application to Annex Certain Territory

#### COMPREHENSIVE PLAN APPLICATION

☐ Comprehensive Plan **Map** Amendment for \_\_\_\_\_

☐ Comprehensive Plan **Text** Amendment for \_\_\_\_\_

Demetrios Tzoras  
708-508-3020  
[Demetriosjohn@yahoo.com](mailto:Demetriosjohn@yahoo.com)

28 September 2022

Orlando Stratman  
Chairperson of the Planning & Zoning Commission  
Village of Lake Zurich  
505 Telser Road  
Lake Zurich, IL 60047

Dear Orlando,

I am writing to you to obtain a variance to install a swimming pool in my backyard. I have recently purchased a swimming pool from American Sales in Lake Zurich IL. I am the owner of the residence at 1420 Deerchase Road Lake Zurich, IL 60047. The property is a residential zoning lot, without a pool. I am requesting a zoning lot with a pool. I am seeking a rear lot variation. A pool within the required 23-foot rear yard setback.

I would like to install an above ground pool in my backyard. The issue I am having is that the city has deemed my backyard as the side of the home. Which means I must install the pool 23 feet from the fence line. Here it becomes my problem. If I put the pool 23-feet from the fence line, it would place the pool 2 feet from the exterior wall of my home. I do not feel comfortable placing a large body of water so close to my home and foundation. Now in normal circumstances my yard would not be a problem, but my home is a lot on the corner and that's another reason why this is becoming difficult. My front door faces Deerchase Road which would make the 23-foot requirement acceptable. The city has deemed that the side of my house that faces East Harbour Drive is the front of my home which makes my side yard the backyard. So, what I am asking for is a variance to install the pool in my backyard 10 feet from my neighbor's fence line.

The projected hours of installation would be one day, with about four employees to complete the project.

To give some background of why this swimming pool is important would be one word, Nicholas. My son Nicholas is a non-verbal Autistic boy who has two loves in his life, playing on the swing and swimming all day. I have always wanted to install a pool for him and for my other children since they were born. I just know that a pool is essential for his happiness and wellbeing. Swimming has become a very calming and soothing therapeutic need for him, and I would really hope with your blessing that you would allow me to install this pool where it makes the most sense in my yard. I can't install the pool where the city requires the 23-foot clearance. It would be more trouble than worth installing. If this variance is not given, I will have to cancel the project all together. Please let me give this to my son who needs this more than anything you can imagine. I hope and pray that you find it in your heart to approve this for me and my family.

Estimated cost of pool and installation will be Pool cost 7,000 dollars, electrical 1,200 dollars and permit fees 630 dollars plus permit for installation 479 dollars which total to 9,309 dollars.

Sincerely,



To the city of Lake Zurich,

My name is Allison Bihler and I am a Board Certified Behavior Analyst that has worked with Nicholas Tzoras providing Applied Behavior Analysis Therapy for over 2 years. Nicholas is a sweet boy who has been diagnosed with Autism Spectrum Disorder (ASD) and therefore has significant behavior challenges that impact him daily. Nicholas has improved in regards to communication and becoming more independent, but given his maladaptive behaviors, we have found that the therapeutic effects of water considerably help reduce and/or eliminate his problematic behaviors. While community pools are always an option, due to the nature of his behaviors and social impacts of others, a private pool located at the family's residence would be beneficial. Nicholas continues to improve daily and a private pool where he can complete his therapies, in addition to proactively preventing maladaptive behaviors or deescalating himself when behaviors do occur would significantly help him and his family. If you have any questions or concerns, please do not hesitate to reach out to me.

Sincerely,



Allison Bihler, M.S., BCBA

Certification Number: 1-15-19763  
Positive Behavior Supports Corp.  
phone: 855-832-6727 ext. 2530  
fax: 1-772-675-9100  
site: [www.teampbs.com](http://www.teampbs.com)  
email: [abihler@teampbs.com](mailto:abihler@teampbs.com)

American Land Title Association

ALTA Settlement Statement - Combined  
Adopted 05-01-2015

File No: AF1025474

First American Title Insurance Company

Printed: 06/29/2022, 3:47 PM

Officer/Escrow Officer: Lisa Kalden/LK

85 West Algonquin Road, Suite 390 • Arlington Heights, IL 60005

Settlement Location:

Phone: (847)290-6370 Fax: (866)563-7611

85 West Algonquin Road, Suite 390,  
Arlington Heights, IL 60005

Final Settlement Statement



First American

Property Address: 1420 Deerchase Rd, Lake Zurich, IL 60047-3020

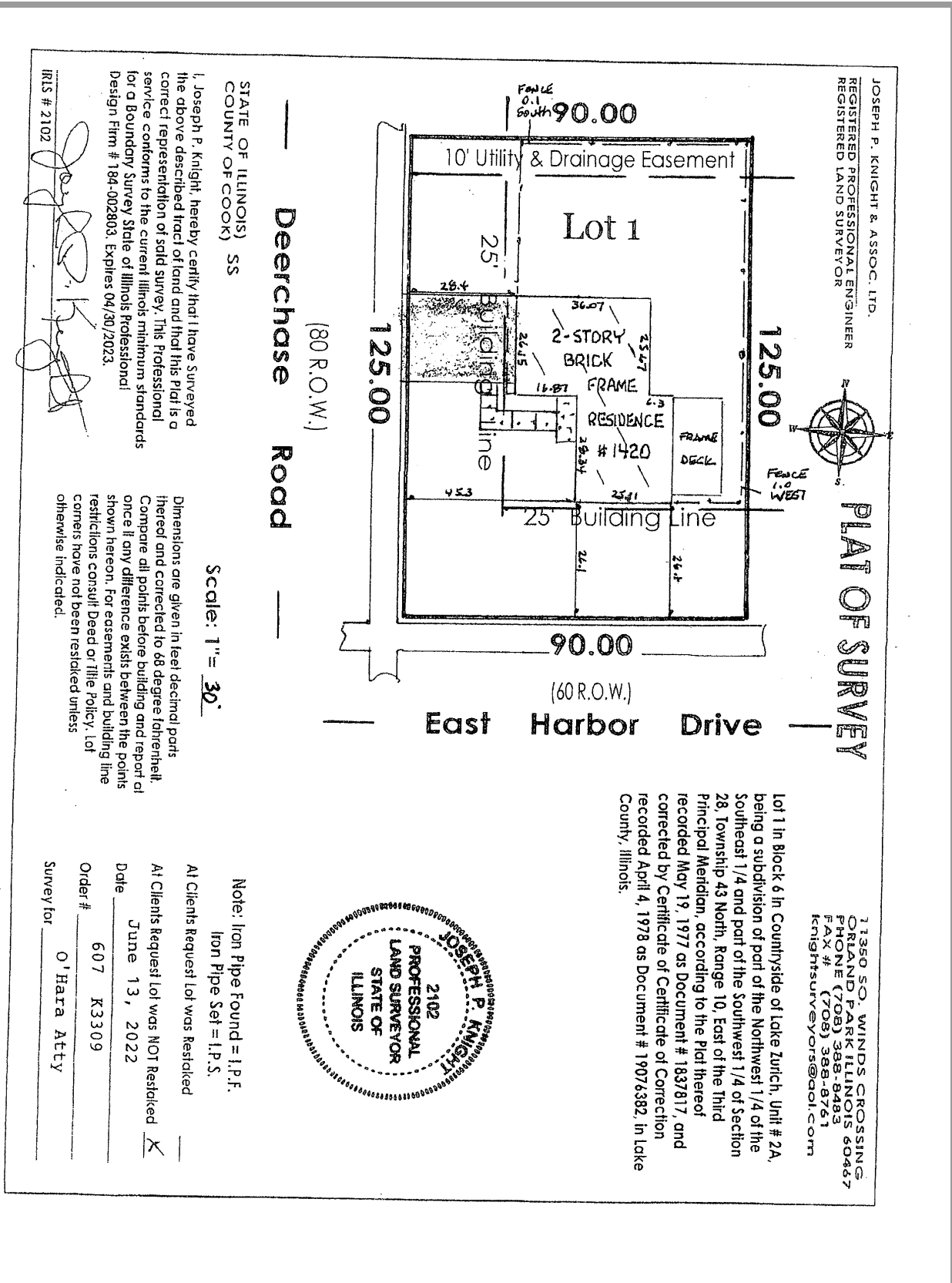
Buyer: Demetrios Tzoras, Theodora Tzoras

Seller: Jeffrey R. Leist, Kevin C. Wiczer

Lender: Key Mortgage Services, Inc.

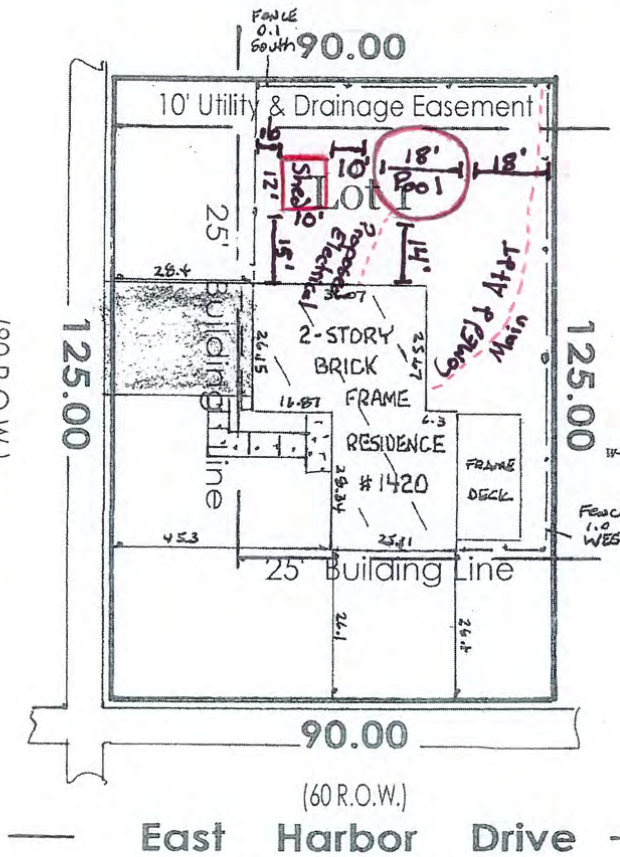
Settlement Date: 06/30/2022

Disbursement Date: 06/30/2022



# PLAT OF SURVEY

11360 SO. WINDS CROSSING  
ORLAND PARK ILLINOIS 60467  
PHONE (708) 388-8483  
FAX # (708) 388-8761  
ken@hsurveyors@aol.com



lot 1 in Block 6 in Countryside of Lake Zurich, Unit # 2A, being a subdivision of part of the Northwest 1/4 of the Southeast 1/4 and part of the Southwest 1/4 of Section 28, Township 43 North, Range 10, East of the Third Principal Meridian, according to the Plat thereof recorded May 19, 1977 as Document # 1837817, and corrected by Certificate of Certificate of Correction recorded April 4, 1978 as Document # 19076382, in Lake County, Illinois.

STATE OF ILLINOIS) SS  
COUNTY OF COOK)

Deerchase Road

(80 R.O.W.)

I, Joseph P. Knight, hereby certify that I have surveyed the above described tract of land and that this Plat is a correct representation of said survey. This Professional service conforms to the current Illinois minimum standards for a Boundary Survey State of Illinois Professional Design Firm # 184-002803. Expires 04/30/2023.

IRLS # 2102

Dimensions are given in feet decimal parts, hereof and corrected to 68 degree Fahrenheit. Compare all points before building and report of once if any difference exists between the points shown hereon. For easements and building line restrictions consult Deed or Title Policy. Lot corners have not been resicked unless otherwise indicated.

Scale: 1" = 30'

Note: Iron Pipe Found = I.P.F.

Iron Pipe Set = I.P.S.

## At Clients Request Lot was Restaked

At Clients Request Lot was NOT Restaked

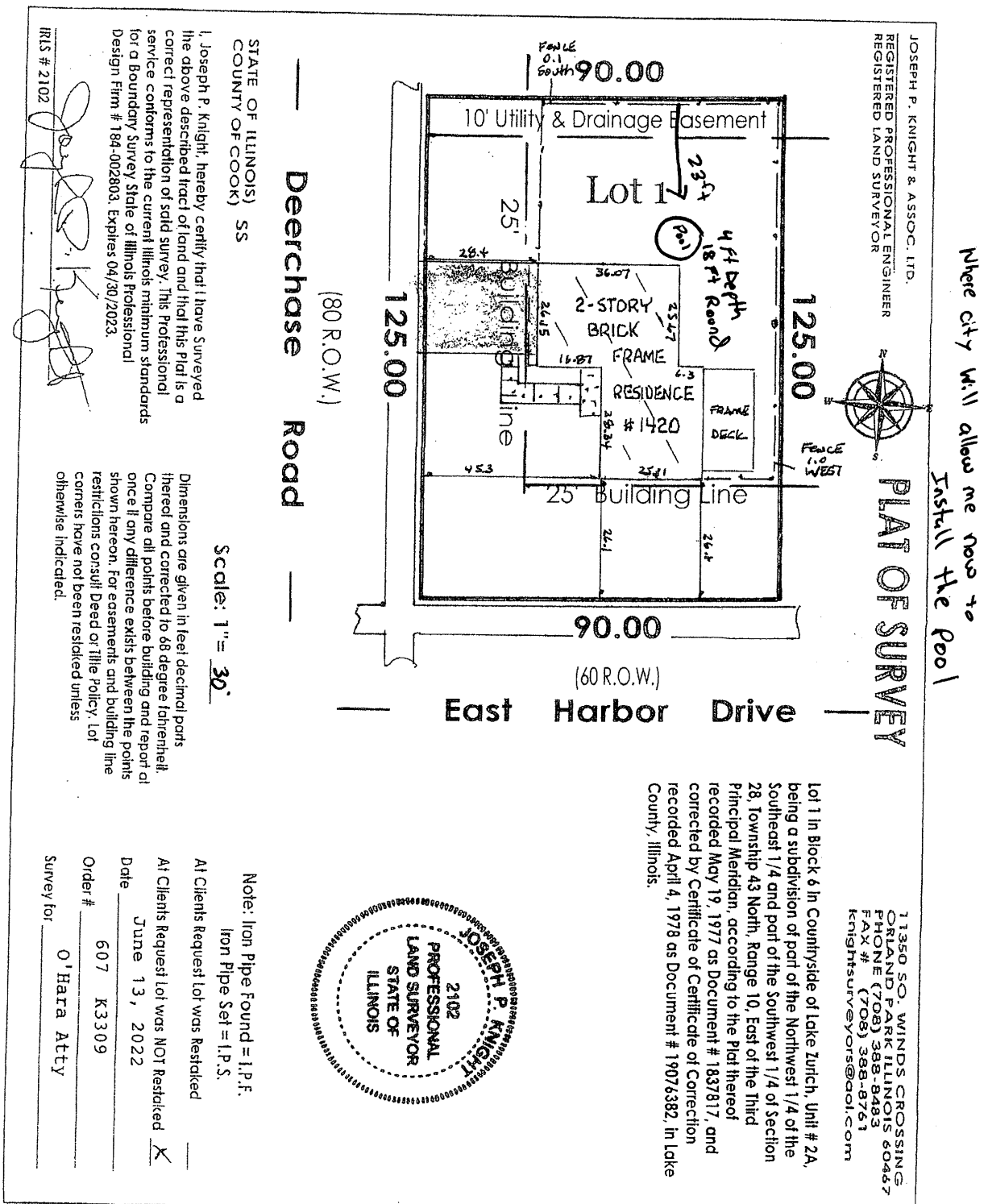
Date June 13, 2022

Date \_\_\_\_\_

Order # 607 K3309

## Survey for

2102  
 PROFESSIONAL  
 LAND SURVEYOR  
 STATE OF  
 ILLINOIS  
 JOSEPH P. KNIGHT





## American Sale

LAKE ZURICH  
 14906 HOWARD Z  
 ZURREG3D1 61639 CASHEG10  
 9/22/22 64416 12:48:57  
 16338

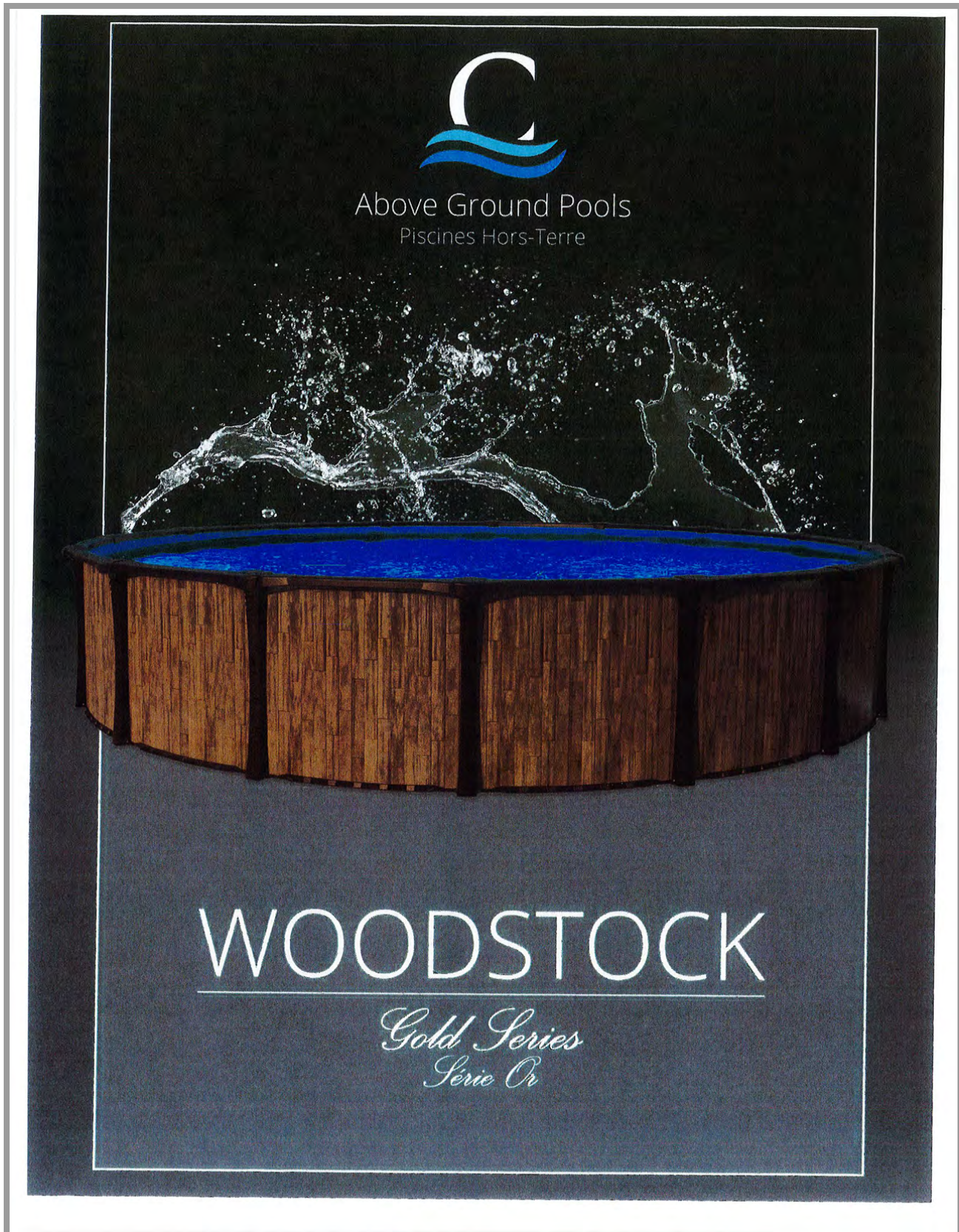
Home 708 508 3020  
 Work  
 Day 708 508 3020  
 TZORAS/THEODORA  
 1420 Deer Chase Rd  
 Lake Zurich, IL 60047

Item	Description	Qty	Price	Total
96-963	18/52" Woodstock BOM	1	5909.00	5909.00
	CCP 18/52 WOODSTOCK BOM			
170-390	BOM 18"Cove/Shield	1	431.98	431.98
	HOR			
93-658	18/52" Graystone	1		
	MED LR18-52JH-BLD			
96-441	Waterway SV 43-779	1		
	FLB FC-1285			
06-464	4" Install this year	1		
	ANS			
43-779	150' .75 HP Filter	1		
	WAY FCS15S1527-3RAM			
40-892	Smart Step Sys 24"	1		
	MCC 200700T/200600T			
38-799	Select Maint Kit Reg	1		
	ANS 15-21 RD 12 OV			
93-820	Peace of Mind Pkg	1		
	ANS			
88-672	AlgaeFree Grtee Kit	1		
	ANS			
99-300	Delivery Charge	1		
	ANS 102			
48-277	SkwrFceptlt/LidWidMth	1	24.99	24.99
	AQD 1010			
117-767	Lil Rebel Cleaner	1		
	PNT 360450			
57-548	18"Classic Wint Cov	1		
	SNN CLS-18			

Total Merchandise 6365.97  
 Tax Due..... 477.45  
 Total Amount..... 6843.42

Balance due MUST be paid in full at least  
 30 days before delivery. Deposits hold  
 price but do not guarantee stock.  
 Balance 2843.42

Type Card Number Exp Date  
 3733 XX/XX







## Above Ground Pool Agreement

**2022**

### - INSTALLATION -

Below are our installation packages and included services. Installations are assigned out on a delivered pool basis and only if all essential items have been delivered. **All electrical and bonding should be performed by a licensed electrician and is not included in installation.** Extra charges may result from optional items such as fencing, bottom circulation, cove, and armor shield. Installer "add-on" services such as deck modifications, extra digging, dirt haul away, fence install, backfilling, travel fees, heater hook-up, lights/water features, or landscaping/hardscaping are not included with packages and are paid directly to the installer if required or requested. Due to insurance restrictions, installers are not allowed to build ladders. Customer has the right to request a different installer, contract their own installer, and/or do a self-install. **Installers are sub-contractors and not employees of American Sale. Extra services or related fees outside of this agreement are negotiated and paid directly to installers, and are not eligible for compensation by American Sale.**

- ☐ **Self-Install** Installation and all related coordination/costs are customer responsibility.
- ☐ **Replacement Pool Install (993-161)** Includes:
  - ☐ The preparation of the ground and leveling the pool site up to **4" out of level**. *Any additional inches of leveling are not included. Additional leveling fees are issued on a per inch basis and are to be paid directly to installer at time of installation. Please ask installer for rates.*
  - ☐ Placement of patio blocks under each upright post. Installation of pool & liner to within 1" of level
  - ☐ Liner Cut for Skimmer and Returns
  - ☐ Filter hook up
  - ☐ Filling the pool 3" deep of water to secure the liner
  - ☐ Does NOT include installation of accessories (i.e- ladder, step, fencing, lights, water features, etc.)
  - ☐ Installation warranty for **120 days** from date installer was paid (provided by Installer directly)

**NOTE:** Current pool photos of all sides of pool/deck must be submitted to [PoolInstall@AmericanSale.com](mailto:PoolInstall@AmericanSale.com) within **1 week post-sale** in order to assign to an installer. Install will not be assigned without proper photos of current area regardless of delivery status. Please include your *last name* and *order number* when emailing (see page 1). Permits are still required in most towns for installation of a replacement pool. Some installers will remove old pools and can contract this service separately. Please contact installer directly for a quote prior to installation date.

#### **Deluxe Pool Install** Includes:

- ☒ The preparation of the ground and leveling the pool site up to **4" out of level**. *Any additional inches of leveling are not included. Additional leveling fees are issued on a per inch basis and are to be paid directly to installer at time of installation. Please ask installer for rates.*
- ☒ Grading the sand that will be under the pool liner (Installer to provide sand)
- ☒ Placement of patio blocks under each upright post (Installer to provide blocks)
- ☒ Installation of pool & liner to within 1" of level
- ☒ Liner Cut for Skimmer and returns
- ☒ Filter and Water purifier hook up
- ☒ Filling the pool 3" deep of water to secure the liner
- ☒ Does NOT include installation of accessories (i.e- ladder, step, fencing, lights, water features, etc.)
- ☒ Installation warranty for **120 days** from date when installer was paid (provided by Installer directly)

*scope of work*

#### **PLANNING QUESTIONS: (Must be filled out if deck/pool is currently present)**

- Do you have an existing deck next to where pool will be installed: ☐ Yes ☒ **No**
- Do you have an existing pool you are removing prior to replacement pool installation: ☐ Yes ☒ **No**
  - ☐ If yes, please indicate the date of planned removal: \_\_\_\_\_
  - ☐ Size of existing pool: \_\_\_\_\_ | Shape (please circle): **Oval or Round**

American Sale Customer Order: 010 0061639 9-22-2022 CASHEG10 ZURICH RECEIPT Page 1  
 ZURICH (224) 286-1650 9/22/2022 12:48:57 64416  
 Sales Associate: 04906 Howard Zavala

TZORAS, THEODORA

Merchandise 6365.97

1420 Deer Chase Rd  
 Lake Zurich IL 60047

Sales Tax 477.45 7.500 %

Home Phone (708) 508-3020 Ext  
 Work Phone ( ) - Ext  
 Day Phone (708) 508-3020 Ext

Total 6843.42  
 Payments 4000.00  
 Balance 2843.42 ✓

EMAIL- demetriosjohn@yahoo.com

Item	Spec Order	Order Quantity	Entered Price
CCP 18/52" Woodstock BOM	18/52 WOODSTOCK BOM	996-963	1
HOR BOM 18'Cove/Shield		170-390	1
MED 18/52" Graystone Liner	LR18-52JH-BLD	93-658	1
FLB Waterway Clwrtr SV for 43-779	FC-1285	996-441	1
AMS 4" Install W/Materials This Yr		206-464	1
WAY 150' .75 HP Filter	FCS15S1527-3RAM	43-779	1
MCC 24" Smart Step System	200700T/200600T	340-892	1
AMS Select Maint. Kit 12'-21'Pools	15-21 RD 12 OV	38-799	1
AMS Peace of Mind Package		993-820	1
AMS Algae Free Guarantee Kit		88-672	1
Delivery Charge		999-300	1
AQD Skimmer Facep/Lid Wide-Mouth	1010	448-277	1
PNT Lil Rebel Cleaner	360450	217-767	1
SWM 18' Classic Winter Cover	CLS-18	357-548	1
Order Notes		Date	Time
2022 FREEDOM PACKAGE INSTALL. SUMMER CLEARANCE PRICING APPLIED, UPGRADE TO GREYSTONE LINER HZ			12:44:05 12:44:05

Thank You for shopping at American Sale.

\*\*\*KEEP THIS RECEIPT\*\*\*

Your receipt is necessary for returns, credits, and warranty service.

\*\*GENERAL\*\*

American Sale reserves the right to accept or decline any return. Approved returns may be subject to a restocking fee. RETURNS MUST BE MADE WITHIN 30 DAYS OF PURCHASE, unless otherwise noted. Returned merchandise must be in new condition and in original packaging. Final Sales: ALL Chemical sales and Replacement Part sales are FINAL. Display items and Tent Sale items are 'As Is' and FINAL. All opened INTEX Pool purchases are FINAL.

Order Cancellations: All orders canceled after 14 days are subject to a 10% cancellation fee. All In-Process Special Orders are subject to a 50% cancellation fee. Delivered merchandise may be subject to a re-stocking fee and management approval.



# MAIN ACCESS 24" EASY ENTRY STEP

- Color: Taupe
- Step treads are 24" wide
- Weight Limit: 350 lbs.
- Features a sturdy handrail
- Adjustable 48" to 54" deep pools
- The Smart Step System is a combination of the 200600T Smart Step and 200700T Smart Choice Ladder
- Features No-Swim Zone and Flow-Thru step design
- Made from corrosion resistant resin for long-lasting durability
- On outside of pool, heavy-duty structural grade ladder that offers solid footing and a swing-up and lift and lock safety feature
- Smart Lite sold separately

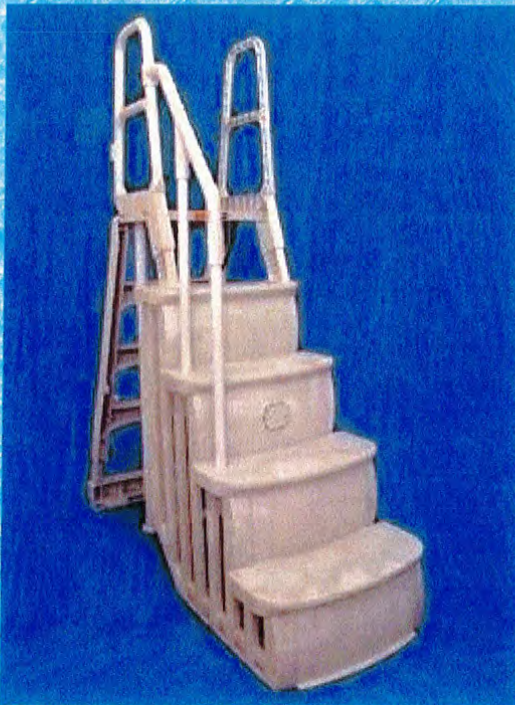
**340-892**



The Smart Step System is an innovative and comfortable entry and exit for the above-ground pool. Especially designed for smaller pools, the inside 24" width step provides ample room for a smooth transition while maximizing the swim area. The flow through design allow for improved water circulation in preventing algae. The superior strength-to-weight performance, stability and easy assembly make this combo the leader among the above-ground swimming pool step systems! Add cool to your pool with the UL approved LED Smart Lite!



## MAIN ACCESS 24" EASY ENTRY STEP



- Features **NO-SWIM ZONE** and **Flow-Thru** step design!
- **Wide 24" treads**
- Superior strength, **durability and stability**
- Hand rail for **added safety and security**
- Shown with optional **Smart Lite**

The Smart Step System is an innovative and comfortable entry and exit for the above-ground pool. Especially designed for smaller pools, the inside 24" width step provides ample room for a smooth transition while maximizing the swim area. On the outside of the pool, a heavy-duty structural grade ladder offers solid footing and a swing up and lift-and-lock safety feature. The flow through design allow for improved water circulation in preventing algae. The superior strength-to-weight performance, stability and easy assembly make this combo the leader among the above-ground swimming pool step systems! Add cool to your pool with the UL approved LED Smart Lite!





## Pool Filters - Above Ground / ClearWater II - Cartridge Deluxe System

### Filters / Filter Systems

Complete the Cartridge filtration system with the Waterway Supreme High Performance Pump and accessories.

#### FEATURES:

- Large filtration, small footprint cartridge filter
- Top of the line Supreme High Performance Single or Dual Speed Pump
- Extra large 7" pump trap with clear lid
- Unionized gate valve to isolate the system for maintenance
- Two 1 1/2" diameter hoses with clamps
- Filter and pump mounting base
- Complete fitting package for all connections
- Accessory base allows for addition of optional timer and/or chlorinator kits for minimal maintenance
- Dual speed pump meets CEC Title 20 Code - Effective January 1, 2008



#### INCLUDES:

- 2 hoses (1 1/2" x 6 ft.)
- Filter / Pump Union Adapter, Hose fittings and hose clamps
- 3 ft. cord Twist-Lock plug (NEC/UL), or 3 ft. cord NEMA plug
- Deluxe one-piece base system
- Unionized gate valve to isolate system for maintenance
- Accessory base for optional timer and/or chlorinator

#### ClearWater II Cartridge Deluxe System with Supreme 1-Speed Pump

Part No.	Filter	Filtration Area	Pump	HP	Volts	Weight (lbs.)	Cord	List (US \$)
<b>FCS075107-3S</b>	FC0757	75 sq. ft.	PSP1100-3R	1.0	115	69	3 ft. Twist-Lock	1,160.87
<b>FCS100107-3S</b>	FC1007	100 sq. ft.	PSP1100-3R	1.0	115	--	3 ft. Twist-Lock	1,322.43
<b>FCS125157-3S</b>	FC1257	125 sq. ft.	PSP1150-3R	1.5	115	--	3 ft. Twist-Lock	1,451.31
<b>FCS150157-3S</b>	FC1507	150 sq. ft.	PSP1150-3R	1.5	115	72	3 ft. Twist-Lock	1,547.50
<b>FCS200157-3S</b>	FC2007	200 sq. ft.	PSP1150-3R	1.5	115	--	3 ft. Twist-Lock	1,695.23
<b>FCS075107-6S</b>	FC0757	75 sq. ft.	PSP1100-6R	1.0	115	--	3 ft. NEMA	1,160.63
<b>FCS100107-6S</b>	FC1007	100 sq. ft.	PSP1100-6R	1.0	115	74	3 ft. NEMA	1,322.43
<b>FCS100137-6S</b>	FC1007	100 sq. ft.	PSP1075-6R	0.75	115	74	3 ft. NEMA	1,231.14
<b>FCS125157-6S</b>	FC1257	125 sq. ft.	PSP1150-6R	1.5	115	--	3 ft. NEMA	1,451.31
<b>FCS150157-6S</b>	FC1507	150 sq. ft.	PSP1150-6R	1.5	115	72	3 ft. NEMA	1,547.50
<b>FCS200137-6S</b>	FC2007	200 sq. ft.	PSP1075-6R	0.75	115	78	3 ft. NEMA	1,471.69
<b>FCS200157-6S</b>	FC2007	200 sq. ft.	PSP1150-6R	1.5	115	--	3 ft. NEMA	1,695.23

#### INCLUDES:

- 2 hoses (1 1/2" x 6 ft.)
- Filter / Pump Union Adapter, Hose fittings and hose clamps
- 3 ft. cord Twist-Lock plug (NEC/UL), or 3 ft. cord NEMA plug
- Deluxe one-piece base system
- Unionized gate valve to isolate system for maintenance
- Accessory base for optional timer and/or chlorinator

#### ClearWater II Cartridge Deluxe System with Supreme 2-Speed Pump

Part No.	Filter	Filtration Area	Pump	HP	Volts	Weight (lbs.)	Cord	List (US \$)
<b>FCS075107-3</b>	FC0757	75 sq. ft.	PSP2100-3R	1.0	115	69	3 ft. Twist-Lock	1,316.64
<b>FCS100107-3</b>	FC1007	100 sq. ft.	PSP2100-3R	1.0	115	74	3 ft. Twist-Lock	1,531.92
<b>FCS125157-3</b>	FC1257	125 sq. ft.	PSP2150-3R	1.5	115	--	3 ft. Twist-Lock	1,700.03
<b>FCS150157-3</b>	FC1507	150 sq. ft.	PSP2150-3R	1.5	115	72	3 ft. Twist-Lock	1,829.28
<b>FCS200157-3</b>	FC2007	200 sq. ft.	PSP2150-3R	1.5	115	--	3 ft. Twist-Lock	1,864.56
<b>FCS075107-6</b>	FC0757	75 sq. ft.	PSP2100-6R	1.0	115	69	3 ft. NEMA	1,304.14
<b>FCS100107-6</b>	FC1007	100 sq. ft.	PSP2100-6R	1.0	115	74	3 ft. NEMA	1,554.91
<b>FCS125157-6</b>	FC1257	125 sq. ft.	PSP2150-6R	1.5	115	--	3 ft. NEMA	1,700.41
<b>FCS150157-6</b>	FC1507	150 sq. ft.	PSP2150-6R	1.5	115	72	3 ft. NEMA	1,829.28
<b>FCS200157-6</b>	FC2007	200 sq. ft.	PSP2150-6R	1.5	115	--	3 ft. NEMA	1,864.98

#### INCLUDES:

- 2 hoses (1 1/2" x 6 ft.)
- Filter / Pump Union Adapter, Hose fittings and hose clamps
- Deluxe one-piece base system
- Unionized gate valve to isolate system for maintenance
- Accessory base for optional timer and/or chlorinator

#### ClearWater II Cartridge Deluxe System (without Supreme Pump)

Part No.	Filter	Filtration Area	List (US \$)
<b>FCS0757S</b>	FC0757	75 sq. ft.	730.43
<b>FCS1007S</b>	FC1007	100 sq. ft.	974.29
<b>FCS1257S</b>	FC1257	125 sq. ft.	1,182.47
<b>FCS1507S</b>	FC1507	150 sq. ft.	1,182.47
<b>FCS2007S</b>	FC2007	200 sq. ft.	1,182.47

All power cords are 3' in length.



*Gold Series*

# WOODSTOCK

*Series Or*





**Easy Base assembly.**  
Facilité d'assemblage de la base.



**Easy Top structure assembly.**  
Facilité d'assemblage de la structure supérieure.



**Multiple layers of Protection.**  
Protection multi-couches.



**Graded rail to ensure good assembly.**  
Rail graduée assure un bon montage.

**Starjet Option**  
*Incorporate the illuminated Waterjet system.*

**Ajustable Ledges Covers**  
*One Screw interlock system.*

**Thick & Robust Ledges**  
*Optimised for better weight distribution. Superior quality resin blends. 6 1/2" Width.*

**StarGlow Option**  
*Incorporate LED light system to your uprights.*

**High Quality Walls**  
*Industry renowned, heat treated, multilayered protection process. Superior sturdiness. Architectural 3D Design.*

**Snap in Uprights**  
*Uprights Snaps in feet for quick Assembly. Durable Top Plate Interface. 6" Width.*

**Strong Feet Connexion**  
*Strong interconnect rail assembly with disassembly feature. Screwing option for increased durability.*

**Stable & High Wall Rails**  
*At 1.6 inches high, the rail keeps the wall in place during ground shifts.*

**Option Starjet**  
*Incorporez le système de jet d'eau illuminé.*

**Couvres Margelles Ajustables**  
*Système d'emboîtement à une vis.*

**Margelles Robuste & Épaisse**  
*Optimisée pour une meilleure répartition du poids. Mélange de résine supérieure. Largeur de 6 1/2".*

**Option StarGlow**  
*Incorporez un système de lumière LED à vos poteaux.*

**Murs de Haute Qualité**  
*Procédé de protection multicouche traité thermiquement de renommée industrielle. Solidité supérieure. Design 3D architectural.*

**Montants Encliquetables**  
*Les Montants s'encliquent pour un assemblage rapide. Interface de Support de Margelle Durable. Largeur de 6".*

**Connection de Pied Robuste**  
*Interconnexion rail solide avec détail de désassemblage. Option de vissage pour durabilité accrue.*

**Rail Stable & Haut Support de Mur**  
*D'une hauteur de 1.6 pouces, la rail garde le mur stable aux mouvements de sol.*

## Design & Architecture

*The Carvin Pool offers architecture on the cutting edge of Canadian Engineering. The quality of its 100% resin design provides an extremely reliable and robust product, which will be able to withstand the weather. All this, while also having a unique and modern design that will allow your backyard to stand out. Available sizes from 12 to 33 feet.*

*La piscine Carvin offre une architecture à la fine pointe de l'ingénierie canadienne. La qualité de sa conception 100% résine permet d'obtenir un produit extrêmement fiable et robuste, qui saura braver les intempéries. Tout cela, en ayant aussi un design unique et moderne qui permettra à votre cour extérieure de se démarquer. Tailles disponible de 12 à 33 pieds.*





## Above Ground Pool Agreement

**2022**

### - RECOMMENDED PRODUCTS -

*These items must be purchased prior to installation of your pool*



**Pool Cove**

Pool Cove is a permanent coving that prevents sand washout. Pool Cove also acts as an "O" ring and will prevent ground moisture from forming between your liner and the wall. Without cove, your installer will bank sand at a 45° angle against your wall.

15'	508-193 /3	\$120	12' x 19'	240-895 /3	\$140
18'	508-247 /3	\$150	12' x 24'	240-901 /3	\$160
21'	508-261 /3	\$170	15' x 26'	240-925 /5	\$180
24'	508-278 /5	\$200	15' x 30'	240-932 /5	\$200
27'	508-285 /5	\$220	18' x 33'	240-970 /5	\$220
30'	508-308 /5	\$240			



**Armor Shield**

Liner Armor or Armor Shield protects your pool liner from pebbles, rocks, nut grass, roots & other abrasive hazards that can cause damage to your liner.

15'	032-315 /5	\$300	12' x 24'	044-882 /5	\$320
18'	032-322 /5	\$330	15' x 30'	032-407 /5	\$350
21'	032-346 /5	\$350	18' x 33'	032-414 /5	\$380
24'	032-353 /5	\$380			
27'	032-360 /5	\$420			
30'	068-123 /5	\$450			
33'	032-384 /5	\$490			



**Bottom Circulation System**

Bottom Circulation improves pool circulation and reduces your chemical cost. It improves heating and reduces vacuuming time. It also acts as a second skimmer at the bottom of your pool. (Not available on 12' and 15' round pools.)

012-638 /5 \$499

### •• CUSTOMER SELECTIONS ••

Because the above items cannot be added to a pool after installation, we need confirmation that you are choosing to have or not have these items installed on your pool. Please check your selection.

#### POOL COVE

☒ YES ☐ NO

#### ARMOR SHIELD

☒ YES ☐ NO

#### BOTTOM CIRCULATION SYSTEM

☐ YES ☒ NO

### ADDITIONAL RECOMMENDATION



#### Aquadoor Service Panel

The original, number one easy snap-on skimmer closure system that stops the water flow and protects the skimmer through winter. Whether you are winterizing your pool or repairing your pump or filter, Aquadoor is a great option for you!

Aquadoor Service Panel/  
Winter Plate

448-277 /5 \$24.99

☒ YES

INIT:

Version as of 6/20/2022

Page 2 of 7

**WHAT YOU CAN EXPECT TO SEE DURING YOUR INSTALLATION**

Before the excavation can begin, sand will be delivered to your location. The sand is usually placed in the driveway, unless another agreed upon site is chosen. The installers will wheel barrow the sand back to the site on installation day. There will be some sand left behind on the driveway after installation.



On the installation date, a bobcat (similar to this one) will arrive at your home to excavate the pool site.



**Note:** Installers will need at least a 7' access to your backyard. They cannot move fences or gates.

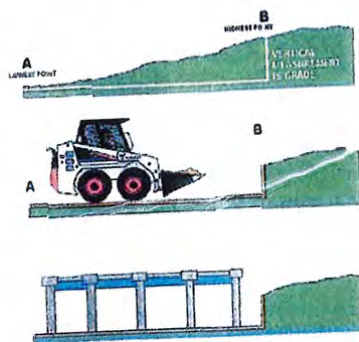


Be prepared! Due to various weather and soil conditions, there will be some tire tracks and/or ruts in your yard. This is normal and unavoidable for a construction job like a pool installation.

(Ruts can be repaired with access dirt and grass seed)



### GRADE EXAMPLE CHART



A level will be used to determine the dig depth. The excavator will notify you of this depth and any extra digging charges (if over the included 4"). The excavator will level the ground to prepare the site.

This means digging to the lowest point so that the pool is built on 'solid' even soil.



It is the customer's responsibility to mark the proper pool site before the installer arrives. The pool site must be in accordance with all local and state laws for building codes.

The excavator will mark a circle based on your center mark (a stake marked with a "C" works best) of where you'd like your pool. You should mark the spot of where you'd like your filter system located (again, a stake marked with an "F" works best).



### **EXCAVATION PROCESS**

The dirt will be placed in a location NEAR the excavation site. The excavator will not be able to haul the dirt or move it more than an obstacle free distance of 15'.



The excavator will dig the site larger than the actual size of the pool to allow for access during the installation of the pool.

(Example: a 24' pool may be excavated to approximately 28')

As a result of excavation, you will have a lot of dirt. You will need to use some of this dirt for backfilling the outside perimeter of the pool after completion of the install. (**Note:** Dirt Haul Away is quoted separately by installer. Please ask your installer prior to your install date for rates.)





Upon completing the site, the excavator will check to confirm the site is level. Payment for an over-dig (if applicable) is to be made to the excavator at this time. The site is now prepared for the installers to begin the installation process.



### **INSTALLATION PROCESS**

After the ground is dug, sand will be wheel-barrowed to the pool site by the installer. The sand is then spread and raked throughout the site.



As the sand is being raked, the bottom plates and bottom tracks are set in place.

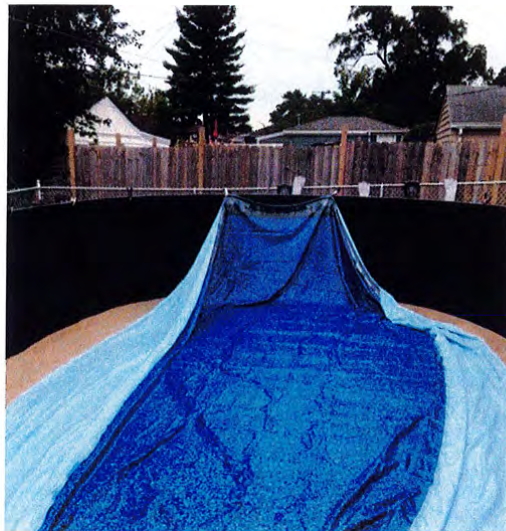
After these are set, the installer will either roll or tamp the sand bottom.

**NOTE:** The bottom will still be wavy - it will not be perfectly flat and smooth.

Once the bottom has been prepared, the installers will set the pool wall in the bottom track and install the pool uprights.



The next step is setting the liner in the pool. The installer will make every effort to prevent wrinkles in the pool bottom.





### **POST-INSTALL CHECKLIST**

Now that your pool is built, there are a few things that will still need to be taken care of to finalize your pool for usage.

1. **Backfilling Your Pool:** You will need to backfill the dirt around your pool after it's built. Excess dirt will be left after install and can be used for backfilling. It is the homeowner's responsibility to remove or spread the excess dirt. The pool must be backfilled to at least the height of the bottom track. No part of the track should be visible if properly backfilled with sufficient amount of dirt. If backfilling over 8", you must install a corrugated perforated drainage pipe to keep moisture away from the pool.
2. **Electrical and Bonding:** You will need to hire a licensed electrician to ensure proper electrical service and water/ground bonding is performed to your town's codes. They will also need to ensure proper receptacle fitting. All motor and pump assemblies need to have proper 115V, 20 amp G.F.C.I. service to the filter. All pumps have a 3' NEMA L5-20R Plug, commonly known as a "Twist Lock" Safety plug. The use of extension cords does not meet Electrical Codes, will damage the equipment, and voids manufacturer warranties.
3. **Gas Hook-Up for Heater:** If you purchased a pool heater, a gas line will have to be run by a licensed contractor. Pool installers will not connect your heater to the filter system as they are not licensed to perform this work.
4. **Village Inspection:** Your village or township will need to perform a final inspection of the pool after its backfilled and gas/electrical is complete.
5. **Yard Repair:** Yard repairs are also homeowner responsibility including any track marks, ruts, fence/gate reassembly, and dirt haul away.

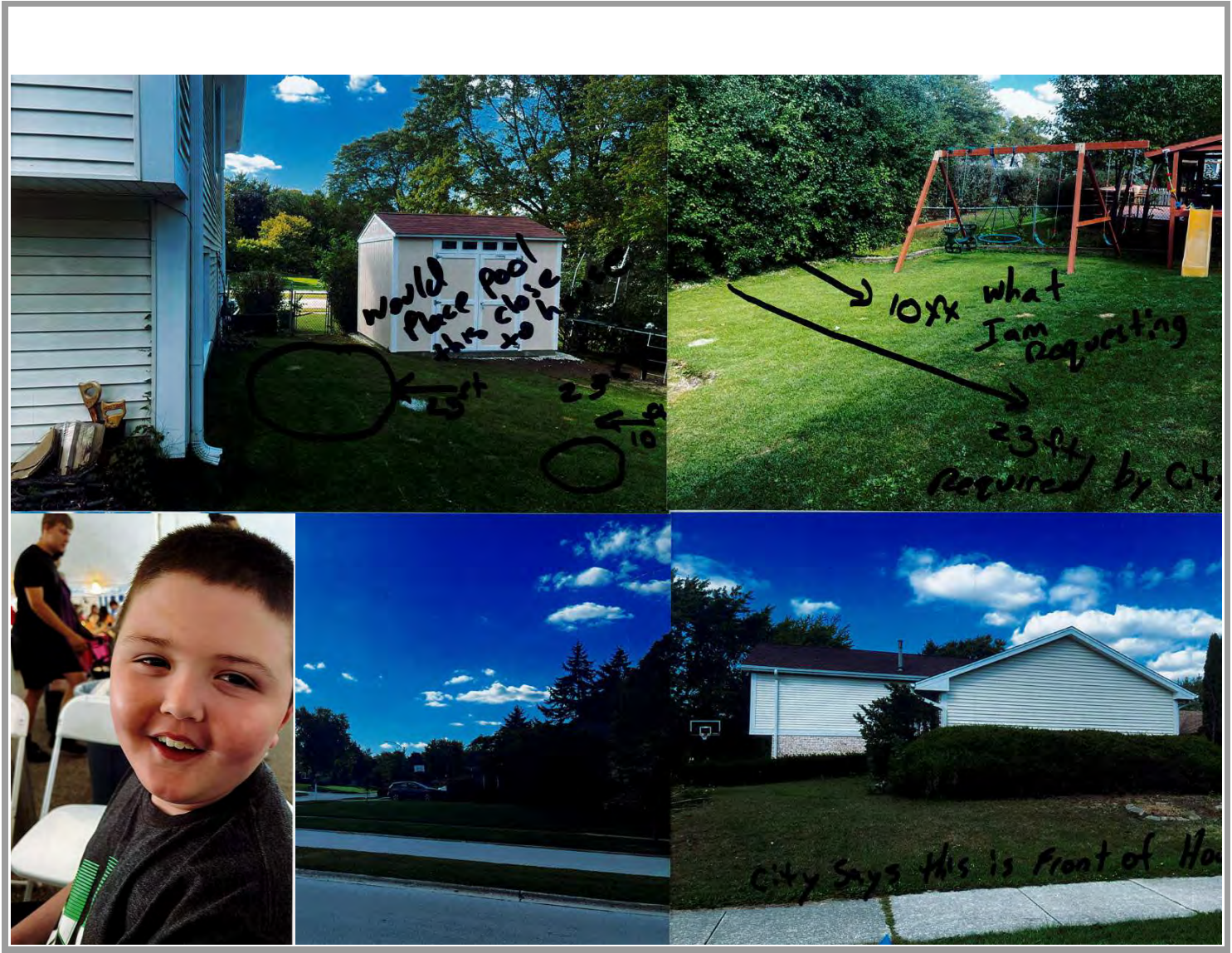


**We hope that this step-by-step guide has been helpful to you! Your Product Expert will also be able to answer any questions that you may have in regards to the installation process and product warranties. You can also call our Pool Service Dept. at 708-623-1486 or email us any questions you may have at [PoolService@AmericanSale.com](mailto:PoolService@AmericanSale.com).**

**Thank you for your business! Happy Swimming!**









*At the Heart of Community*

PUBLIC WORKS DEPARTMENT  
505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

AGENDA ITEM

66

### MEMORANDUM

**Date:** October 21, 2022  
**To:** Ray Keller, Village Manager *RK*  
**From:** Michael J. Brown, Public Works Director  
**Subject:** Paulus Park Chalet Foundation and Flooring Repairs

**Issue:** The Paulus Park Chalet foundation footing has developed significant structural deficiencies. The interior floor slab has settled and severe foundational cracking has presented a potential safety hazard.

**Village Strategic Plan:** This agenda item is consistent with the following Goal of the Village Strategic Plan.

- o *Infrastructure Investment:* Identify and resolve outstanding concerns with Village owned properties.

**Background:** The Paulus Park Chalet and deck are 29 years old. The interior concrete floor had settled significantly since original construction. This settling cause failures in the tile flooring and was repaired approximately 10 years ago. At that time, it was believed that the settling had ceased, and the floor and foundation were structurally sound. Staff has noted minor settling reoccurring within the interior flooring recently and have been exploring potential remedies.

Staff budgeted for and began the replacement of the existing exterior deck. During the removal process, crews noticed foundational footing deficiencies previously concealed by the decking. Given the severity of the foundational concerns, staff contacted several vendors specializing in this type of repair.

**Analysis:** Proposals received from vendors contained different methods for the comprehensive repair of both the interior floor and the exterior foundation. The methods were reviewed by both staff and the Lake County Building Department for structural review. Given the current use as a Park and Recreation programming facility, it was recommended to accept the proposal provided by United Structural Systems of Illinois. The proposal outlined exterior repairs by the installation of ten (10) galvanized Titan SP-90 under-pinning piers along with sealing and plating the

foundational cracks. The interior repair consists of the installation of sixteen (16) helical piers driven 15-20 feet to ensure proper torque to secure the floor slab with a lifetime warranty.

In addition, staff is recommending to refinish the interior floor with a polyaspartic floor coating similar to the flooring at the Village Hall to complete the project. A proposal from American Garage Floor Systems has been provided.

Total Cost Associated with the repairs are listed below:

United Structural Systems of Illinois	Exterior Repair	\$52,620.00
American Garage Floor Systems	Flooring Surface	\$12,800.00
Contingency 10%		\$6,500.00
Total Project Cost		\$65,420.00

**Recommendation:** Approve the proposals from United Structural Systems of Illinois, and American Garage Floor Systems for the repair of the Paulus Park Chalet exterior foundation, interior floor slab, and surface flooring in an amount not to exceed \$65,420.00 to be paid from the Capitol Improvement Fund.

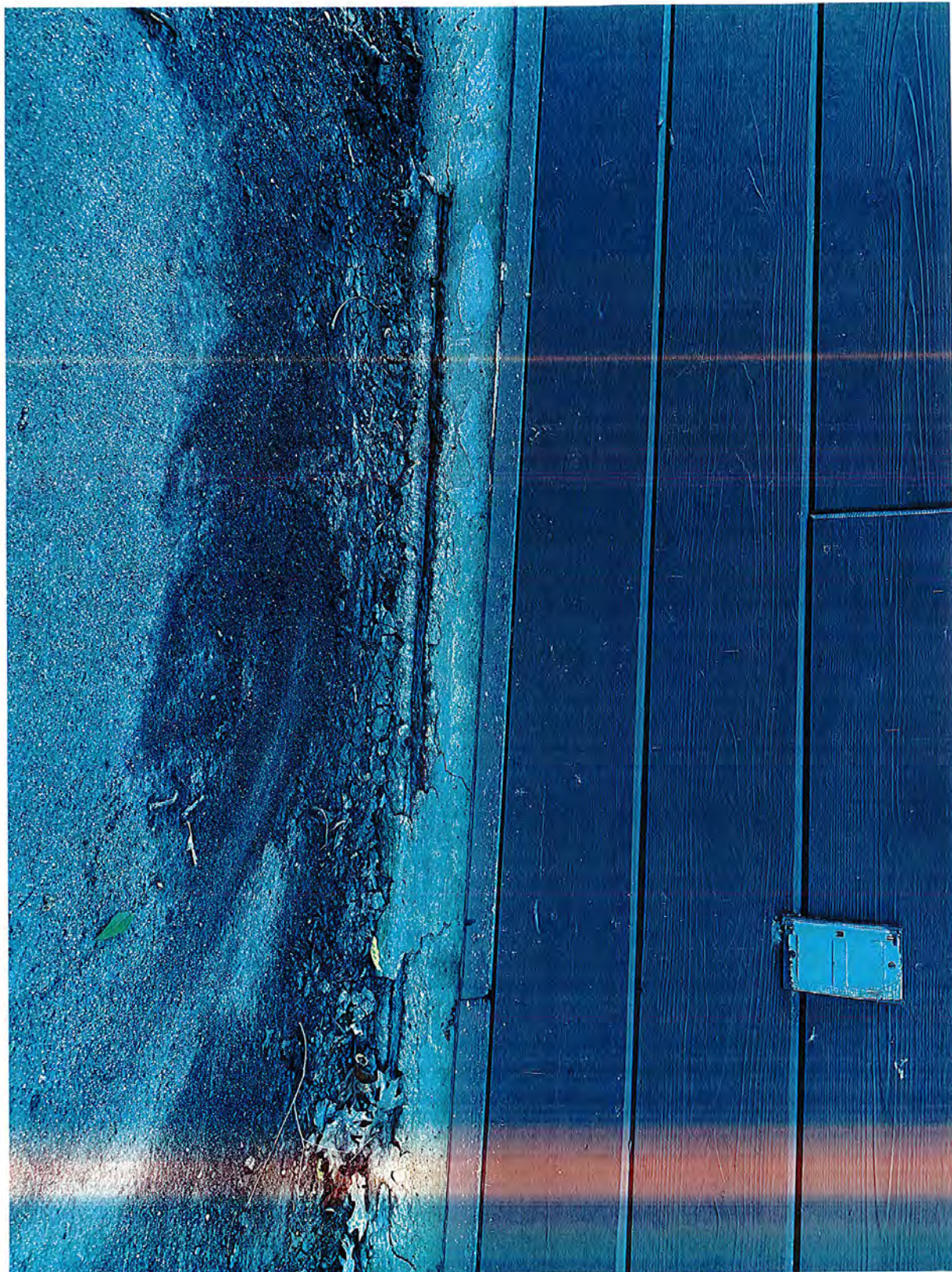
**W/Attachments:**

- 1) Pictures of the exterior foundation
- 2) Proposal from United Structural Systems of Illinois
- 3) Proposal from American Garage Floor Systems













## ESTIMATE

American Garage Floor Systems  
1160 N Dato Ln  
Wauconda, IL 60084, USA  
sales@agschicago.com  
(847) 382-3567

<b>Estimate #</b>	2258-1
<b>Date</b>	Fri Oct 21 2022
<b>Total</b>	12800.00

**Prepared For:**

MIKE BROWN VILLAGE OF LAKE ZURICH  
305 Telser rd  
Lake Zurich, Illinois 60047  
(847) 540-1696  
mike.brown@lakezurich.org

**Service Address:**

100 S Rand Rd Unit paulis park  
Lake Zurich, Illinois 60047

Description	QTY	Price	Amount
<b>FLOORING / Poly</b> POLYASPARTIC FLOOR COATING WITH FULL CHIP SYSTEM /ONE DAY FLOOR / WALK ON IT IN 8-12 HOURS DRIVE ON IT IN 24-26 HOURS FROM FINISH TIME - 4X STRONGER THEN EPOXY	1560.00	7.75	12090.00
<b>30% Discount</b> 30% discount	12000.00	-0.30	-3600.00
<b>Repairs</b> charge for treatment of large area of cracks or chips in concrete	1.00	1685.00	1685.00
<b>Removal Of</b> REMOVAL OF / Epoxy / Overlay / or other materials / glue / etc.	1500.00	1.75	2625.00
Sub total			12800.00
Tax			0.00
Tax Rate			0.000%
Total			12800.00

**Notes:**

## Thank You For Your Business



### **-PURCHASE AGREEMENT-**

Detailed estimate attached for floor coating and necessary repairs or additional costs. Your signature will indicate approval of cost breakdown. Estimates are an approximation of charges to you, and they are based on the anticipated details of the work to be done. It is possible for unexpected complications to cause some deviation from the estimate. If additional parts or labor are required you will be contacted immediately. Installers are not responsible for personal items in the service area. Please remove all items prior to installation until 24 hrs after floor is completed.

### **-FLOOR COATING PROCESS-**

American Garage Floor Systems uses a polyaspartic rapid set, roller grade material that allows us to apply a three coat system in hours. This process gives you durability, strength, anti slip, and the longevity needed for a high traffic area. AGS uses the same polyaspartic technology for the top coat to lock the chips in, and to give it extra strength. Our polyaspartic is a non-yellowing, durable, protective finish that lasts. You will be able to walk on your floor just hours after we leave, and drive on it the next day.

#### **Floor Preparation**

Our diamond-bit grinder features three grinding wheels that work in unison to open the pores of your concrete. Hand grinders are also used to prepare detailed areas and vertical surfaces. We also use shot blasting where necessary to ensure the proper bond of any patching materials.

AGS utilizes the latest technology to prepare your floor for our revolutionary 3 coat system

#### **Premium Installation**

1. Diamond grind off 1/16 of an inch of the surface with a low dust process
2. Clean and fill cracks larger than 1/8 of an inch
3. Apply a tinted primer
4. Apply base coat
5. Broadcast the chosen chip blend into the base coat
6. Apply a clear coat over the top
7. Apply anti-slip into top coat (Unless a request is made by customer for no slip resistance to be used in top coat)

**\*\*\*\*DISCLAIMER\*\*\*\***

All hard floor surfaces can be slippery when wet even with anti slip texture. ALWAYS USE CAUTION WHEN SURFACE IS WET!

A 15% Non refundable deposit is due before scheduling appointment for installation. Balance will be due upon completion.

### **RESIDENTIAL FLOOR - LIMITED LIFETIME WARRANTY**

American Garage Systems residential floor coating systems, when installed by certified installer, are warranted for the lifetime of the original purchaser against any abnormal yellowing, fading or color change of the clear sealer due to effects of UV sunlight or overhead lighting and for fifteen (15) years after the installation against failure to bond to the concrete, peeling, flaking, chipping or excessive wear and excessive loss of gloss of the clear sealer.

**WARRANTY CLAIM PROCEDURES** A claim under this warranty may be made by calling AGS at (847)382-FLOR. The original purchaser must retain original sales order and receipt to make valid claim. Any claim under this warranty shall be deemed waived, unless the original purchaser gives notice (30) days following the discovery of a potential warranty claim. Customers shall allow AGS up to (60) sixty days to inspect and make repairs under this warranty.

**REMEDIES** AGS sole responsibility under this warranty shall be the cost of replacement materials to fix or repair the failed areas only, using AGS materials. A representative of AGS must be present to assess the failed area to judge the cause and mode of failure prior to any fix or repair. The duty to fix or repair only damaged areas shall be the sole and exclusive remedy granted under this warranty.

**LIMITATIONS** This warranty is limited to the materials applied to the garage floor and does not include the floor or substrate itself. Where waterproofing is the intent, this warranty is limited to the replacement of materials under the conditions outlined above. AGS only responsibility will be to furnish replacement materials free of charge for any faulty material. The cost of investigating leaks is not included in this warranty. Should a leak occur, AGS shall not be responsible for the repair or replacement of any interior furnishings or building material. Failures by external causes such as acts of God, fire, welding, or other burns, mechanical impact damage, hydrostatic pressure, chemical spills or abnormal use of the garage and its floor are not covered by this warranty. This warranty excludes building or structure settling, substrate cracking, moisture below the coating material, efflorescence, hydrostatic pressure, or mechanical and external physical abuses that constitute abuse other than normal wear and tear. AGS is not responsible for concrete cracking due to substrate movement or existing cracks in substrate (concrete/ substrate are not warranty regardless of whether same was repaired during original installation or not. There is no warranty on cracks or crack repair. Areas repaired under this warranty may vary in color and texture from areas originally installed which are not repaired. This warranty shall not apply in the case of improper substrate construction, exposure of the products to solvents and/or higher concentrations of acids other than that moisture from within, under or adjacent to the concrete surface.

**PRO-RATED REPLACEMENT** The 15 year warranty against failures to bond to the concrete, peeling, flaking, chipping or excess wear and excessive loss of gloss of the clear sealer will be pro-rated based on the remaining useful life.

In no event shall AGS liability under this warranty exceed the cost of replacement materials, or return of the original purchase price., for the products which may prove to be defective under normal use and service, provided such a claim is made within the time frame set forth above. This warranty shall be void if in the sole good faith judgement of AGS any such failures or damages are caused by structural movement, unforeseen moisture in concrete, natural disasters, the wrongful conduct of any other person, subsequent alterations or additions and failure to exercise reasonable care in maintaining surfaces coated by AGS products.

Note: Below grade and moisture treatment work has a warranty of only one (1) year. AGS IS NOT RESPONSIBLE FOR DEFECTIVE DRAINAGE. IT IS UNDERSTOOD THAT WHERE GRADING OR ABRASION REPAIR IS DONE THERE MAY BE MINIMAL PUDDLING.

**Slip Resistance Additives** Any surface can be slippery. AGS recommends use of a slip resistant additive on all garage floor systems that may be exposed to wet, oily, or greasy conditions. In no event shall AGS be responsible for injury incurred in a slip and fall situation. It is the purchaser's sole responsibility to provide for their own safety and the safety of guests and invitees. While AGS coatings may help provide a slip and skid resistant surface when dry, there is no guarantee that someone will not slip while walking on areas coated with our material. AGS therefore assumes no responsibility for slip-fall accidents. If added, the slip-resistant additive only improves slip resistance by approximately 50%.

**THIS WARRANTY IS NOT TRANSFERABLE**

AGS LABOR WARRANTY IS FOR 1 YEAR ONLY AND DOES NOT COVER CONCRETE FAILURE

\*DISCLAIMER\* AGS SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES (SUCH AS BUT NOT LIMITED TO LOSS OF USE OF THE GARAGE OR ITS CONTENTS OR SURROUNDINGS OR LOSS OF USE OR TIME AND INCONVENIENCE) OR ANY INCIDENTAL EXPENSE RESULTING FROM THE ABOVE EXPRESSED WARRANTY OR ANY IMPLIED WARRANTY. AGS LIABILITY HEREUNDER IS EXPRESSLY LIMITED TO THE COST OF MATERIAL FOR REPAIR OR REPLACEMENT OF DEFECTIVE MATERIALS AND SHALL NOT EXTEND TO OR INCLUDE ANY CONSEQUENTIAL OR INCIDENTAL OTHER DAMAGES OF ANY KIND OR CHARACTER. AGS shall not be liable for damage to or destruction of any real or personal property resulting from defects in the work performed by or materials provided pursuant to this contract. AGS makes no expressed or implied warranties of merchantability or fitness for a particular purpose which warranties are hereby expressly disclaimed and excluded. The original purchaser hereby expressly waives any claim to additional charges. This Limited Warranty supersedes any other warranty or other representation, whether written, oral or implied, here fore made between parties.



**United Structural Systems of Illinois, Inc.**  
 2124 Stonington Ave, Hoffman Estates, IL, 60169 (847) 382-2882

September 30, 2022

Jason Schuler  
 Village of Lake Zurich  
 505 Tessler Rd  
 Lake Zurich IL, 60047  
 847-540-1696 x 8033  
[Jason.schuler@lakezurich.org](mailto:Jason.schuler@lakezurich.org)

Project Address: 160 S. Rand Rd, Lake Zurich, IL, 60047  
 Lake Zurich Chalet

Our company United Structural Systems of Illinois, Inc. (USS) completed a property inspection at the above address September 28, 2022.

While meeting with Adam Hartmann and Jason Schuler from the village we looked into the exterior and interior of the property. Once the existing deck was removed for the construction of a new deck large foundation cracks were exposed. The cracking pattern shows the back half of the building settling towards the lake.

On the interior around the perimeter on the back half it is very noticeable that the floor slab is settling. It is the most floor settlement is happening on the back side of the building. It is the most dramatic and evident in this area.

The building has two separate issues. The foundation is settling on the exterior and the floor slab is settling on the interior.

**Exterior:**

To permanently stop the building from further settlement we will install underpinning piles. We will install 10 Titan SP-90 galvanized resistance piers. I will include engineered product specs with the estimate.

**USS recommends the following repair: Underpin foundation:**

1. USS to install a total of (10) galvanized Titan SP-90 underpinning piers on foundation.
2. Foundation cracks will be sealed and plated from the exterior.
3. A shop Diagram has been Included to show approximate pier placement based on our manufacturer's recommendations and a set of stamped drawings will be completed at contract acceptance. These are required for permit approval.
4. USS will remove and dispose of patio and replacement will be itemized.
5. Excavation will be done by backhoe.



6. Landscape will be removed in pier area by USS, USS does not replace.
7. Any landscape that is to be kept should be removed prior to USS arrival
8. All excavated soil will be placed on plywood to protect landscape.
9. If a lift is requested a signed lifting addendum must accompany contract.
10. Soil will be tamped during backfilling.
11. Soil will continue to settle after completion.

\*USS will record pile locations, depths, p.s.i., with benchmarks on foundation for warranty.

Material and labor for installation of (10) galvanized SP-90 Titan piers  
 Installation of crack plates and sealing foundation cracks.  
 Stamped and sealed Structural drawings if required for permitting \$750.  
 Permit fee added to final invoice with receipt.

Price quoted reflects prevailing wage.

**Project Total \$26,970.**

Approval of our documents and initial investment of \$10,000 are required to schedule.  
 Balance of \$16,970 and permit fee are due at day of completion.  
 Permit fee added to final invoice with copy of permit receipt.

**Interior:**

There are two options to stabilize and try to raise the floor slab on the interior.

1. Polyurethane injection under the floor slab. This method is done by drilling a grid pattern of approximately ½" diameter holes in the floor slab. The chemical mixture of polyurethane is injected in the core holes and will fill the gap between the bottom of the floor slab and the fill that is under the slab. Once the void is filled we can try to raise the floor slab by injecting additional material as it expands.  
 This method is dependent on the fill under the slab. If the fill continues to settle which is what caused this floor to sink, the floor will continue to settle.  
 This repair has a one year warranty.  
**Total cost \$4,200.**
2. The second option is to a permanent and lifetime fix to the slab. We would install interior helical piles with a slab support bracket. This repair involves
  - Core a series of 16 10" diameter holes in the floor slab.
  - A helical steel pier is driven into the ground under the floor slab.
  - The helical piers are typically driven between 15-20 ft in depth to reach proper torque.
  - A new construction bracket is installed on top of the helical pile that connect to the floor slab.
  - The floor slab is now supported on the helical piles that have been driven into soil that will not let them sink.
  - The floor is permanently stabilized and will not move again.**Total cost \$25,650.**

Please let us know the option you choose and we can adjust the documents.

Please contact me with any questions.

Thank you.

Rick Thomas  
United Structural Systems of Illinois, Inc.  
President  
2124 Stonington Ave  
Hoffman Estates, IL, 60169  
847-382-2882 office  
847-381-5739 fax  
[rick@ussofil.com](mailto:rick@ussofil.com)

**ACCEPTANCE OF PROPOSAL-** the aforementioned terms and specifications are satisfactory and are hereby accepted. You are authorized to do the work as specified. This contract contains the full agreement between the parties and no oral representation made shall be binding unless specifically included in the contract.

Customer \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Consultant Rick Thomas Signature Rhesley Date 9/30/22



LAKE ZURICH FIRE DEPARTMENT  
321 South Buesching Road  
Lake Zurich, Illinois 60047

Phone: (847) 540-5070  
FAX: (847) 438-2630  
www.LakeZurich.org

*"To care for and protect our community"*

**To:** Ray Keller, Village Manager *PK*  
**From:** David Pilgard, Fire Chief  
**Date:** September 28, 2022  
**Subject:** Recommendation for approval of Stryker ProCare Services Agreement

**Issue:** The Fire Department Fiscal Year 2023 budget request includes \$9,825.78 for a Stryker ProCare Services agreement for patient transport/conveyance equipment.

**Background:** The Fire Department utilizes Stryker transport equipment comprised of Stryker Power Cots, Stryker Power Load Systems and Stair Chairs to provide Emergency Medical Services on a daily basis. All four Fire Department ambulances are equipped with Stryker patient transport/conveyance equipment.

Regulatory standard of the US Food and Drug Administration and the standard of care set by Northwest Community Emergency Medical Services System require service and inspection of the noted Stryker transport equipment.

**Analysis:** Fire Department Staff obtained a proposal for a Stryker ProCare Service Agreement on the patient transport/conveyance equipment that included Stryker Cots, Power Load Systems and Stair Chairs. The service agreement cost is \$39,303.13 and is paid in four annual installments of \$9,825.78. The service agreement is higher than the prior agreement due to the expiration of older contracts throughout the life of the new agreement. Stryker instituted two price increases in 2022 totaling 6%. Stryker is projecting ProCare Service agreement increases of approximately 9% per year for future years. By engaging in a four year Stryker ProCare Services agreement, the future project increases will be avoided.

The Stryker service agreement aligns with the Village Strategic Plan Goal of Service Sustainability.

**Recommendation:** I recommend the approval of the Stryker ProCare Service Agreement for \$39,303.13 that will be paid in annual installments of \$9825.78 over the four-year term of the agreement.

**Attachments:** Stryker ProCare Service Agreement

# ProCare Services

Sales Rep Name: Andrea LaRocco  
ProCare Service Rep: Logan Joza



3800 E. Centre Ave  
Portage, MI 49009

Date: 8/5/2022  
ID #: 220805150712

## PROCARE PROPOSAL SUBMITTED TO:

Billing Acct Num: 1055499  
Shipping Acct Num: 1093491  
Account Name: Lake Zurich Fire Department  
Account Address: 321 S Buesching RD  
City, State Zip: Lake Zurich, IL 90047

Name: Benny Yee  
Title: EMS  
Phone: (847) 276-8259  
Email: benny.yee@lakezurich.org

## PROCARE COVERAGE

Item No.	Model Number	Model Description	Serial Number	ProCare Program	Qty	Yrs				Total
1	6390	Power-LOAD	160140813	EMS Prevent	1	2 Yr 11Months	Start 1/6/2023			\$7,253.67
2	6390	Power-LOAD	140239339	EMS Prevent	1	2 Yr 11Months	Start 2/6/2023			\$7,253.67
3	6252	Stair Chair	130140711	EMS PM Only	1	4				\$456.00
4	6252	Stair Chair	160940194	EMS PM Only	1	3 Yr 2Months	Start 10/18/2023			\$456.00
5	6252	Stair Chair	160940195	EMS PM Only	1	3 Yr 2Months	Start 10/18/2023			\$456.00
6	6506	Power Cots	131040711	EMS Prevent	1	4				\$5,640.00
7	6506	Power Cots	131040712	EMS Prevent	1	4				\$5,640.00
8	6506	Power Cots	140841127	EMS Prevent	1	4				\$5,640.00
9	6506	Power Cots	140841128	EMS Prevent	1	4				\$5,640.00
10	6252	Stair Chair	170340878	EMS PM Only	1	2 Yr 8Months	Start 4/18/2024			\$342.00
11	6252	Stair Chair	170340879	EMS PM Only	1	2 Yr 8Months	Start 4/18/2024			\$342.00
12	6390	Power-LOAD	2202012400145	EMS Prevent	1	3 Yr 9 Months	Start 1/22/2023			\$6,945.00
13	6506	Power Cots	2206003500382	EMS Prevent	1	2 Yr 5Months	Start 7/19/2024			\$3,407.50
14	6390	Power-LOAD	180539249	EMS Prevent	1	1 Yr 7 Months	Start 5/29/2025			\$2,932.33

## PROGRAM INCLUDES:

### EMS Prevent:

\*Includes parts, labor, travel  
\*Includes 1 annual PM inspection  
\*Includes unscheduled service  
\*Includes battery replacement  
\*Includes product equipment checklists  
\*Replacement parts do not include mattresses, and other Disposable or expendable parts.

### EMS PM Only:

\*Includes 1 annual PM only.

Unless otherwise stated on contract, payment is expected upfront.

Annual Payments \$9,825.78

See below for complete payment schedule

ProCare Total	\$52,404.17
Discount	25%
<b>FINAL TOTAL</b>	<b>\$39,303.13</b>

Start Date: 1/1/2023  
End Date: 12/31/2026

Stryker Signature

Date

Customer Signature

Date

The Terms and Conditions of this quote and any subsequent purchase order of the Customer are governed by the Terms and Conditions located at:

<https://techweb.stryker.com>

The terms and conditions referenced in the immediately preceding sentence do not apply where Customer and Stryker are parties to a Master Service Agreement.

Purchase Order Number:

This is not an invoice. A physical invoice will be mailed.  
Remit payment to: P.O. Box 93308 Chicago, IL 60673-3308

## COMMENTS:

Please email signed Proposal and Purchase Order to [procarecoordinators@stryker.com](mailto:procarecoordinators@stryker.com).  
All information contained within this quotation is considered confidential and proprietary and is not subject to public disclosure.  
\*\*Quote pricing valid for 30 days.

PAYMENT SCHEDULE						
Date	Payment		Int. Paid		Prin. Remaining	Balance
Starting Balance						\$ 39,303.13
1/1/2023	\$ 9,825.78	\$	-	\$	29,477.35	\$ 29,477.35
1/1/2024	\$ 9,825.78	\$	-	\$	19,651.56	\$ 19,651.56
1/1/2025	\$ 9,825.78	\$	-	\$	9,825.78	\$ 9,825.78
1/1/2026	\$ 9,825.78	\$	-	\$	.	\$ .



SERIAL NUMBER SHEET			
Item No.	Model	Serial Number	Program
1	6390	160140813	EMS Prevent
2	6390	140239339	EMS Prevent
3	6252	130140711	EMS PM Only
4	6252	160940194	EMS PM Only
5	6252	160940195	EMS PM Only
6	6506	131040711	EMS Prevent
7	6506	131040712	EMS Prevent
8	6506	140841127	EMS Prevent
9	6506	140841128	EMS Prevent
10	6252	170340878	EMS PM Only
11	6252	170340879	EMS PM Only
12	6390	2202012400145	EMS Prevent
13	6506	2206003500382	EMS Prevent
14	6390	180539249	EMS Prevent

## Purchase Order Form

stryker®

Account Manager \_\_\_\_\_  
 Cell Phone \_\_\_\_\_

Purchase Order Date \_\_\_\_\_  
 Expected Delivery Date \_\_\_\_\_  
 Stryker Quote Number 220805150711

Check box if Billing same as Shipping ☐

BILL TO	CUSTOMER #
Billing Account Num	1065499
Company Name	
Contact or Department	
Street Address	
Add'l Address Line	
City, ST ZIP	
Phone	

SHIP TO	CUSTOMER #
Shipping Account Num	1093491
Company Name	Lake Zurich Fire Department
Contact or Department	Benny Yee
Street Address	321 S Buesching RD
Add'l Address Line	
City, ST ZIP	Lake Zurich, IL 90047
Phone	(847) 276-8259

Authorized Customer Initials \_\_\_\_\_

Authorized Customer Initials \_\_\_\_\_

DESCRIPTION	QTY	TOTAL
REFERENCE QUOTE <input type="text"/>	<input type="text"/>	<input type="text"/>

## Accounts Payable Contact Information

Name \_\_\_\_\_  
 Email \_\_\_\_\_  
 Phone \_\_\_\_\_

Stryker Terms and Conditions  
<https://techweb.stryker.com>

## Authorized Customer Signature

Printed Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Signature \_\_\_\_\_  
 Date \_\_\_\_\_

Attachment \_\_\_\_\_ Stryker Quote Number 220805150711

\*Sales or use taxes on domestic (USA) deliveries will be invoiced in addition to the price of the goods and services on the Stryker Quote.



*At the Heart of Community*

VILLAGE MANAGER'S OFFICE

Lake Zurich Village Hall  
70 East Main Street  
Lake Zurich, Illinois 60047

(847) 438-5141  
LakeZurich.org

ADMINISTRATIVE

61

MEMORANDUM

Date: October 26, 2022

To: Ray Keller, Village Manager *PK*

From: Kyle Kordell, Assistant to the Village Manager

Copy: Amy Sparkowski, Finance Director

Subject: **Intergovernmental Agreement on Property Tax Appeals**

**Issue:** The Village of Lake Zurich proposes to enter an intergovernmental agreement (IGA) with School District 95, Ela Township, and the Ela Area Public Library District. This coalition of four local governments seek to join together to share the costs of reviewing, monitoring, and defending assessed valuations of real property located within shared jurisdictional boundaries. The goal is to protect the shared property tax base that is relied upon to provide public services and to minimize the risk of the property tax levy being unfairly shifted onto residents and individual households through the appeals process.

**Village Strategic Plan:** This agenda item is consistent with the following Goal of the Village Strategic Plan.

- o *Financial Sustainability:* Maximize existing revenue sources and identify areas where Lake Zurich services may overlap with other public organizations.

**Analysis:** The proposed IGA applies to property assessment complaints received by the Lake County Board of Review in which the taxpayer is seeking a reduction in equalized assessed value (EAV) of 40% of its current EAV or \$200,000 or greater, or property assessment challenges received by the State of Illinois Property Tax Appeal Board in which the taxpayer is seeking a reduction in EAV of 40% of its current EAV or \$400,000+.

When such a reduction is sought, each local government subject to this IGA shall convene to review and discuss a coordinated response to the appeal. The IGA authorizes the sharing of research, filing and legal costs to intervene in the appeal process when needed to ascertain whether the requested appeal is fair and equitable to both the property owner making the request and all taxpayers subject to the levy.

School District 95 has agreed to be the fiscal agent for the IGA and the designated liaison for notices from the Lake County Board of Review or the Property Tax Appeal Board, as their levy is the largest share of the property tax bill. Between the four parties, the School District will assume 77% of the costs, with the Village responsible for approximately 16% of the costs. The Ela Library District and Ela Township will cover the remaining 5% and 2% shares, respectively.

**Recommendation:** Approval of the proposed Intergovernmental Agreement on Property Tax Appeals.

w/ Attachments:

## INTERGOVERNMENTAL AGREEMENT

THIS AGREEMENT is made and entered into by and between certain taxing bodies with an interest in the assessed valuation of real property located in Lake County, Illinois. A list of the taxing bodies that are parties to this Agreement is attached hereto and made a part hereof as Exhibit A (hereinafter collectively referred to as the "Taxing Bodies" and individually referred to as "Member Taxing Body").

### WITNESSETH:

**WHEREAS**, each of the Taxing Bodies has jurisdiction to levy property taxes against certain real property located in Lake County and is dependent to some degree upon these tax revenues to carry out its duties and purposes; and

**WHEREAS**, owners of real property in Lake County file complaints with the Lake County Board of Review ("Board of Review") and/or appeals to the State of Illinois Property Tax Appeal Board ("PTAB") seeking to reduce the assessed valuation of their property located in Lake County; and

**WHEREAS**, the Taxing Bodies wish to join together to review, monitor, contest, and defend the assessed valuations of real property located within Lake County and the boundaries of their respective taxing jurisdiction; and

**WHEREAS**, the Taxing Bodies are authorized to enter into this Intergovernmental Agreement pursuant to Section 3 of the *Intergovernmental Cooperation Act*, 5 ILCS 220/3.

**IN CONSIDERATION** of the mutual covenants and conditions contained herein and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned Parties do hereby agree as follows:

1. **Purpose.** The purpose of this Intergovernmental Agreement is to review, monitor, contest, and defend the assessed valuation of real property located within Lake County.

2. **Method.** Upon approval of this Agreement, each Member Taxing Body shall within seven (7) days designate a contact person to whom all correspondence from the Board of Review, the PTAB, and the Liaison will be sent. The designated contact person shall be authorized to provide direction to the Liaison on behalf of the member Taxing Bodies as described herein. The designated contact person from Lake Zurich Community Unit School District No. 95 ("Liaison") shall act as the liaison between the Taxing Bodies and the Board of Review and PTAB, as well as counsel for these matters. All information relating to matters covered by this Agreement shall be sent to the Liaison.



This Agreement shall only apply to real property assessment complaints to the Board of Review in which the taxpayer is seeking a reduction in equalized assessed value (EAV) that is equal to or greater than 40% of its current EAV or is seeking a reduction in EAV of \$200,000 or more, and real property assessment appeals to the PTAB in which the taxpayer is seeking a reduction in equalized assessed value (EAV) that is equal to or greater than 40% of its current EAV or is seeking a reduction in EAV of \$400,000 or more. The thresholds set forth herein do not preclude the Taxing Body Members or Liaison from considering additional factors that may warrant intervention.

When such a reduction is sought at the PTAB, or additional factors warrant consideration, each of the affected Taxing Bodies' representatives will be notified via e-mail by the Liaison. Each affected Member Taxing Body must then notify the Liaison within seven (7) days of receipt of such notice whether or not it wants to participate in challenging the requested reduction. If either: (1) Lake Zurich Community Unit School District No. 95 and at least one other Member Taxing District vote to participate in the PTAB appeal, or (2) all Member Taxing Districts other than Lake Zurich Community Unit School District No. 95 vote to participate in the PTAB appeal, such participation will be deemed authorized by, and pursuant to, the terms of this Agreement. In the event the designated contact person for Lake Zurich Community Unit School District No. 95 votes against participation and the remainder of the Member Taxing Districts vote to authorize participation, the remainder of the Member Taxing Districts shall appoint a designated contact person to serve as a substitute liaison. For such appeal(s) only, the substitute liaison will serve in the same capacity as the Liaison, authorized to act as described herein.

If such voting threshold is satisfied so as to authorize participation, then all of the Taxing Bodies affected by the appeal will pay their proportionate share of the costs of that appeal as set forth in Section 4 of this Agreement. If such voting threshold is not satisfied, no further action will be taken pursuant to this Agreement, but individual Taxing Bodies may still intervene on their own and at their own expense.

When notice of complaints filed with the Board of Review indicate one of the thresholds is satisfied or the Liaison is made aware of additional factors warranting consideration, the Liaison is hereby authorized to take such action as is necessary to intervene and defend the Member Taxing Bodies' interests at the Board of Review. Under such circumstances, all of the Taxing Bodies affected by the complaint will pay their proportionate share of the costs of that complaint as set forth in Section 4 of this Agreement.

This Agreement shall not pertain to owner-occupied, residential properties.

3. **Powers of the Liaison.** The Liaison is hereby empowered to perform all acts necessary to accomplish the aforesaid purpose of this Agreement, including, but not limited to, hiring appraisers, consultants, and attorneys to defend the Member Taxing Bodies' interests prior to and at hearings, and in negotiating settlements.

4. **Procedure and Funding.** All funds necessary to accomplish the aforesaid purpose shall be payable based upon a Member Taxing Body's pro rata share of its most recent tax rate to the total of all the tax rates from the most recent tax year for the Taxing Bodies affected by a particular complaint or appeal, with the exception that the Board of Review shall pay fifty percent (50%) of the cost of all appraisals requested by the Board of Review, if a cost-sharing arrangement arises. If the School District, as Liaison, or the alternate Liaison, incurs fees to defend a case, those fees will be shared pursuant to this Agreement. However, if any of the Taxing Bodies incur different or additional expenses on their own, those expenses are the sole responsibility of the governmental unit or school district that incurs those fees or employs those persons.

5. **Handling and Accountability of Funds.** The Liaison shall be responsible for handling the financial matters resulting from this Intergovernmental Agreement. All funding necessary to effectuate the purpose of this Intergovernmental Agreement shall be paid within thirty (30) days of billing.

The Liaison shall determine the amount owed by each of the Taxing Bodies for each complaint or appeal in which the expenditure of funds is required.

A report of all receipts and disbursements shall be forwarded to the Board of each Member Taxing Body on a quarterly basis. These reporting requirements shall apply only if receipts and disbursements have been made in that quarter.

6. **Submission of Appraisals and Report of Experts.** All reports or appraisals obtained from any experts pursuant to the purpose of this Intergovernmental Agreement shall be made available to each of the Taxing Bodies, if requested.

7. **Additional Parties.** This Intergovernmental Agreement may be amended at any time for the purpose of adding additional taxing bodies. Any additional taxing bodies shall have an interest in the assessed valuation of property located Lake County, Illinois. Each additional taxing body shall be admitted in the same manner as the original signatories – through formal approval of the Intergovernmental Agreement by the governing board of the additional taxing body and execution of the existing Intergovernmental Agreement. Formal action by the governing boards of the existing Taxing Body Members shall not be required to add additional taxing bodies. Each additional taxing body shall have the same rights, responsibilities, payment obligations, and duties as the original signatories to this Intergovernmental Agreement.

8. **Withdrawal.** Any Member Taxing Body shall have the right to withdraw from this Intergovernmental Agreement, in the following manner:

- a. The Board of the withdrawing Member Taxing Body shall pass a resolution declaring its intention to withdraw effective on a specified date, which shall not be less than thirty (30) days from the date of its resolution, and shall send a certified

copy of said resolution to the Liaison not less than thirty (30) days before the effective date of the withdrawal.

- b. Withdrawal by any Member Taxing Body shall not result in the discharge of any legal or financial liability incurred by such Member Taxing Body before the effective date of the withdrawal. All such liabilities shall continue until properly discharged or settled by the withdrawing Member Taxing Body, but future liabilities will not accrue after the date of notice of withdrawal by the Member Taxing Body to the Liaison.

9. **Duration of Intergovernmental Agreement.** This Intergovernmental Agreement shall become effective upon the date of its approval by the Board of each of the Member Taxing Bodies. It shall remain in full force and effect until the occurrence of either of the following events:

- a. All Taxing Bodies have withdrawn as provided for in Section 8, or
- b. All Taxing Bodies mutually agree to terminate this Intergovernmental Agreement by joint resolution passed by the Boards of the Taxing Bodies.

The termination of this Intergovernmental Agreement shall not act to discharge any legal or financial liability incurred by a Member Taxing Body. After the effective date of termination, the Liaison shall discharge all the debts and liabilities incurred under this Intergovernmental Agreement in the same manner set forth in Sections 4 and 5.

**IN WITNESS WHEREOF**, the parties hereto have caused this Intergovernmental Agreement to be approved and signed by the proper officers of each of the Taxing Bodies, and attested by the proper officer, on the dates written below.

[Space intentionally left blank –  
signature page to follow]

**Ela Township**

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

**Lake Zurich Community Unit  
School District No. 95**

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

**Village of Lake Zurich**

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

**Ela Area Public Library District**

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

**Village of Kildeer**

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
Its: \_\_\_\_\_

Attested by: \_\_\_\_\_  
Its: \_\_\_\_\_

Date: \_\_\_\_\_

**Exhibit A**

Ela Township

Ela Area Public Library District

Lake Zurich Community Unit School District No. 95

Village of Kildeer

Village of Lake Zurich





*At the Heart of Community*

PUBLIC WORKS DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

RECEIVED  
OCT 31 2022

67

MEMORANDUM

**Date:** October 31, 2022  
**To:** Ray Keller, Village Manager *PK*  
**From:** Michael J. Brown, Director of Public Works  
**Subject:** **Bid Award: 2022 Sanitary Sewer CCTV Inspection Program**

**Issue:** The FY 2022 budget includes \$100,000 in the Water & Sewer Fund for video inspection services of the Village's sanitary sewer system.

**Village Strategic Plan:** This agenda item is consistent with the following Goal of the Village Strategic Plan.

- o *Infrastructure Investment:* Complete televising of sanitary sewers and develop lining/replacement program to minimize future sewer collapses.

**Background:** As a planning tool to address public infrastructure concerns Public Works has created an annual plan for closed-circuit television (CCTV) inspection and evaluation of the Village's sanitary sewer system. Early detection of sewer damage is crucial to maintaining an operational and cost-effective sanitary sewer system. Since 2017, the Village have been inspecting critical sanitary sewer infrastructure, and by means of cured-in-place pipe (CIPP) lining, repairing trunk sewers throughout the Village.

The FY 2022 CCTV Sewer Televising Program will include a conditional analysis of Village sanitary sewer on Old Mill Grove Road, and the Cedar Creek Subdivision.

**Analysis:** Staff solicited bids on behalf of six (6) municipalities as part of the Municipal Partnering Initiative (MPI), for a three year Sanitary and Storm Sewer CCTV Inspection program in March of 2020. The bid opening occurred on April 2, 2020. The Village received four (4) bids. The lowest responsible bid was received from Sewertech, LLC of Schaumburg, Illinois (shown on page 2). Staff has no concerns with recommending Sewertech, LLC to provide televising services for year three of the contract.

<b>Name of Bidder</b>	<b>Bid Amount (Years 1-3)</b>
Sewertech, LLC (Schaumburg, IL)	\$498,587.50
Michels Pipe Services (Brownsville, WI)	\$679,356.50
National Power Rodding Corp (Chicago, IL)	\$768,325.00

**Recommendation:** Authorize the expenditure for year three of the Sanitary Sewer CCTV Inspection Program (2022) to Sewertech, LLC of Schaumburg, IL in an amount not-to-exceed \$72,986.53.

**W/Attachments:**

1. Approved Agreement/Notice to Proceed
2. 2022 Estimated Quantities
3. 2022 Televising Exhibit



*At the Heart of Community*

PUBLIC WORKS DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
LakeZurich.org

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Via Email

September 2, 2020

Mr. Jakub Kawa, Owner  
Sewertech LLC.  
1730 Epping Place  
Schaumburg, IL 60194

**RE: NOTICE OF AWARD  
2020 SANITARY AND STORM SEWER CCTV INSPECTION**

Dear Mr. Kawa:

The Village of Lake Zurich, upon review of the bids received and opened on April 2, 2020 for the above referenced project, has determined your company to be the lowest responsible bidder. The Contract Documents are enclosed for your signature. Please return, within ten (10) days upon receipt, three (3) originals, including the executed contract, contract bond, and certificate of insurance naming the Village of Lake Zurich and Manhard Consulting, Ltd. as additionally insured, to my attention at 1 Overlook Point, Suite 290, Lincolnshire, Illinois 60069.

We look forward to partnering with Sewertech in the execution of the Village of Lake Zurich's 2020 Sanitary and Storm CCTV Inspection project.

If you should have any questions, please do not hesitate to contact me.

Yours truly,

Chris R. Gheysen, P.E.  
Manhard Consulting – Village Engineers for Village of Lake Zurich

Enclosure

### FORM OF CONTRACT

1. This Agreement made and concluded this 2nd day of September, 2020, between The Village of Lake Zurich, acting by and through its Mayor and Board of Trustees, known as the party of the first part and Sewertech, LLC, his/their executors, administrators, successors, or assigns, known as the party of the second part.

2. WITNESSETH: That for and in consideration of the payment and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to furnish all labor, equipment, supplies and materials necessary to complete the work in accordance with the Plans and Specifications hereinafter described and in full compliance with all the terms and conditions of this Agreement.

3. And it is also understood and agreed that the Notice to Bidder, Instructions to Bidder, Form of Proposal and Contract Bond hereto attached and the Plans and Specifications titled:

CONTRACT DOCUMENTS AND SPECIFICATIONS  
FOR  
SANITARY AND STORM SEWER CLOSED CIRCUIT TELEVISION (CCTV) INSPECTION  
LAKE ZURICH, ILLINOIS

as prepared by Manhard Consulting

and DATED: March 19, 2020

are all essential documents of this Contract and are a part thereof.

4. IN WITNESS THEREOF, the said parties have executed these presents on the date above mentioned.

\_\_\_\_\_, Mayor  
Party of the First Part

\_\_\_\_\_, Village Clerk  
Attest:

\_\_\_\_\_  
Party of the Second Part

\_\_\_\_\_  
Attest: (For Corporation -Secretary)

## FORM OF CONTRACT BOND

We \_\_\_\_\_ as PRINCIPAL, and \_\_\_\_\_ as SURETY, are held and firmly bound unto the Village of Lake Zurich in the penal sum of One Hundred Thousand and No/100 Dollars (\$100,000.00), lawful money of the United States, well and truly to be paid unto said Village of Lake Zurich, for payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly and pay to the Village of Lake Zurich this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said Principal has entered into a written contract with the Village of Lake Zurich acting through its awarding authority for the construction of work on the attached contract, which contract is hereby referred to and made a part thereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company, or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company, or corporation, to whom any money may be due from the Principal, subcontractor or otherwise, for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company, or corporation, for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the Village of Lake Zurich and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions, and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this \_\_\_\_ day of \_\_\_\_\_ A.D. 20 \_\_\_\_.

PRINCIPAL

\_\_\_\_\_  
(Company Name) (seal)

\_\_\_\_\_  
(Company Name) (Seal)

By: \_\_\_\_\_  
(Signature & Title)

By: \_\_\_\_\_  
(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names, seals and authorized signatures of each contractor must be affixed.)

SURETY

\_\_\_\_\_  
(Name of Surety) (seal)

By: \_\_\_\_\_  
(Signature of Attorney-in-Fact)

STATE OF ILLINOIS, COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public in and for said County, do hereby certify that  
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed, sealed, and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

GIVEN UNDER MY HAND AND NOTARIAL SEAL THIS \_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20 \_\_\_\_.

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Notary Public

Approved this \_\_\_\_ day of \_\_\_\_\_, A.D. 20 \_\_\_\_

Attest:

\_\_\_\_\_

\_\_\_\_\_  
(Awarding Authority)

\_\_\_\_\_  
(Village Clerk)

\_\_\_\_\_  
(Mayor)





Village of Lake Zurich  
505 Telser Road  
Lake Zurich, IL 60047  
(847) 540-1698

**RECEIVED**  
APR 02 2020

# SUBMISSION INFORMATION

BY: .....

INVITATION: #201.001003.20  
BID OPENING DATE: April 2, 2020

TIME: 10:00 A.M. Local Time  
LOCATION: Village Hall Boardroom

COPIES: One (1) original & one (1) electronic copy (flash drive only, NO EMAIL)

## REQUEST FOR BID INFORMATION

Company Name: SEWERTECH LLC  
Address: 1730 EPPING PLACE  
City, State, Zip Code: SCHAUMBURG, IL 60194

**Sanitary and Storm Sewer Closed Circuit Television (CCTV) Inspection**  
per the specifications identified herein

### I. BASE BID

#### a. Year 1 (2020)

Item No.	Item Description	Estimated Quantities* (All Municipalities)	Unit of Measure	Unit Price	Extended Price
1.	CCTV Inspection of Storm Sewers, 6" to 42"	22,000	LF	\$ 1.77	\$ 38,940.00
2.	CCTV Inspection of Sanitary Sewers, 8" to 12" (no dyed-water flooding)	50,000	LF	\$ 1.62	\$ 81,000.00
3.	CCTV Inspection of Sanitary Sewers, 15" to 18" (no dyed-water flooding)	1,250	LF	\$ 1.62	\$ 2,025.00
4.	CCTV Inspection of Sanitary Sewers, 21" to 30" (no dyed-water flooding)	7,250	LF	\$ 2.15	\$ 15,587.50
5.	CCTV Inspection of Sanitary Sewers, 36" (no dyed-water flooding)	3,750	LF	\$ 2.15	\$ 8,062.50
6.	Sewer Condition Evaluation	61,000	LF	\$ 0.25	\$ 15,250.00
SUBTOTAL BASE BID, YEAR 1 (2020)				\$	160,865.00

RFB Number 201.001003.20  
CCTV Inspections

3

Due: April 2, 2020, 10:00 AM



**b. Year 2 (2021)**

Item No.	Item Description	Estimated Quantities* (All Municipalities)	Unit of Measure	Unit Price	Extended Price
1.	CCTV Inspection of Storm Sewers, 6" to 42"	22,000	LF	\$ 1.80	\$ 39,600.00
2.	CCTV Inspection of Sanitary Sewers, 8" to 12" (no dyed-water flooding)	55,000	LF	\$ 1.70	\$ 93,500.00
3.	CCTV Inspection of Sanitary Sewers, 15" to 18" (no dyed-water flooding)	1,250	LF	\$ 1.80	\$ 2,250.00
4.	CCTV Inspection of Sanitary Sewers, 21" to 30" (no dyed-water flooding)	1,250	LF	\$ 2.20	\$ 2,750.00
5.	CCTV Inspection of Sanitary Sewers, 36" (no dyed-water flooding)	750	LF	\$ 2.20	\$ 1,650.00
6.	Sewer Condition Evaluation	57,000	LF	\$ 0.25	\$ 14,250.00
<b>SUBTOTAL BASE BID, YEAR 2 (2021)</b>				\$ 154,000.00	

**c. Year 3 (2022)**

Item No.	Item Description	Estimated Quantities* (All Municipalities)	Unit of Measure	Unit Price	Extended Price
1.	CCTV Inspection of Storm Sewers, 6" to 42"	22,000	LF	\$ 1.85	\$ 40,700.00
2.	CCTV Inspection of Sanitary Sewers, 8" to 12" (no dyed-water flooding)	55,000	LF	\$ 1.75	\$ 96,250.00
3.	CCTV Inspection of Sanitary Sewers, 15" to 18" (no dyed-water flooding)	6,350	LF	\$ 1.85	\$ 11,747.50
4.	CCTV Inspection of Sanitary Sewers, 21" to 30" (no dyed-water flooding)	7,250	LF	\$ 2.25	\$ 16,312.50
5.	CCTV Inspection of Sanitary Sewers, 36" (no dyed-water flooding)	750	LF	\$ 2.25	\$ 1,687.50
6.	Sewer Condition Evaluation	68,100	LF	\$ 0.25	\$ 17,025.00
<b>SUBTOTAL BASE BID, YEAR 3 (2022)</b>				\$ 183,722.50	

\*The estimated quantities listed in the bid table are for reference only. The Contractor is hereby made aware that the bid prices shall apply to work in all Municipalities participating in this bid even if no estimated quantity is listed for that municipality. See Estimated Quantities Table in the Technical Specifications for estimated quantities for each Municipality.

**TOTAL BASE BID AMOUNT (YEARS 1-3) \$ 498,587.50**

## II. SUPPLEMENTAL UNIT PRICES

Item No.	Item Description	Unit of Measure	Year 1 (2020) Unit Price	Year 2 (2020) Unit Price	Year 3 (2020) Unit Price
1.	CCTV Inspection of Storm Sewers (48" to 72")	LF	\$ 1.90	\$ 1.99	\$ 2.25
2.	CCTV Inspection of Sanitary Sewers (6" (no dyed-water flooding)	LF	\$ 1.50	\$ 1.70	\$ 1.90
3.	CCTV Inspection of Sanitary Sewers (8" to 12") with Concurrent Dyed-water Flooding	LF	\$ 3.25	\$ 3.45	\$ 3.55
4.	CCTV Inspection of Sanitary Sewers (15" to 18") with Concurrent Dyed-water Flooding	LF	\$ 3.25	\$ 3.45	\$ 3.55
5.	CCTV Inspection of Sanitary Sewers (21" to 30") with Concurrent Dyed-water Flooding	LF	\$ 3.25	\$ 3.45	\$ 3.55
6.	Root Cutting (8" to 12")	LF	\$ 0.55	\$ 0.70	\$ 0.85
7.	Root Cutting (15" to 18")	LF	\$ 1.15	\$ 1.30	\$ 1.55
8.	Root Cutting (21" to 30")	LF	\$ 5.50	\$ 7.00	\$ 8.00
9.	Heaving Cleaning	CREW HRS	\$ 350.00	\$ 395.00	\$ 425.00
10.	Emergency CCTV Inspection (no dyed-water flooding) Sanitary or Storm Sewer (8" to 42")	CREW HRS	\$ 400.00	\$ 450.00	\$ 495.00

**BIDS SHALL BE ACCOMPANIED BY BID SECURITY IN AN AMOUNT NOT LESS THAN FIVE PERCENT (5%) OF THE AMOUNT OF THE TOTAL BID.**

Any and all exceptions to these specifications **MUST** be clearly and completely indicated on the bid sheet. Attach additional pages if necessary. **NOTE TO BIDDERS:** Please be advised that any exceptions to these specifications may cause your bid to be disqualified. Submit bids by **SEALED BID ONLY**. Fax and e-mail bids are not acceptable and will not be considered.

*THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED*

PROMPT PAYMENT DISCOUNT: 0 % 0 DAYS  
 The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1981, as amended.

Authorized Signature: Jakub Kawa Company Name: SEWERTECH LLC  
 Typed/Printed Name: JAKUB KAWA Date: 4-1-20  
 Title: CO-OWNER Telephone Number: 708-351-8641  
 E-mail: SEWERTECH LLC @GMAIL Fax Number: N/A

RFB Number 201.001003.20  
 CCTV Inspections

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Due: April 2, 2020, 10:00 AM



**REFERENCES**

Please list below five (5) references for which your firm has performed similar work for municipalities as identified in Bidder Qualifications.

Municipality: CITY OF GENEVA  
 Address: 1800 SOUTH STREET  
 City, State, Zip Code: GENEVA, IL 60134  
 Contact Person/Telephone Number: BOB VANGYSEGHEN (630) 232 1551  
 Dates of Service/Award Amount: 9/2019 - 4/2020 \$ 227,860.00

Municipality: VILLAGE OF BLOOMINGDALE  
 Address: 201 SOUTH BLOOMINGDALE ROAD  
 City, State, Zip Code: BLOOMINGDALE, IL 60108  
 Contact Person/Telephone Number: ROBERT BLUM (630) 671 5830  
 Dates of Service/Award Amount: 1/2019 - 3/2019 \$ 109,790.00

Agency: VILLAGE OF Lisle  
 Address: 925 BURLINGTON AVE  
 City, State, Zip Code: Lisle, IL 60532  
 Contact Person/Telephone Number: ERIC KUCIN (630) 271-4173  
 Dates of Service/Award Amount: 1/2020 \$ 28,000.00

Agency: VILLAGE OF OAK PARK  
 Address: 201 SOUTH BOULEVARD  
 City, State, Zip Code: OAK PARK, IL 60302  
 Contact Person/Telephone Number: JAMES OLSON (708) 358-5730  
 Dates of Service/Award Amount: 12/2019 - 3/2020 \$ 53,000

Agency: VILLAGE OF HINSDALE  
 Address: 19 EAST CHICAGO AVE  
 City, State, Zip Code: HINSDALE, IL 60521  
 Contact Person/Telephone Number: MARK PELKOWSKI (630) 789-7030  
 Dates of Service/Award Amount: 11/2019 - 12/2019 \$ 55,000

# **DISQUALIFICATION OF CERTAIN BIDDERS**

## **PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION**

No person or business entity shall be awarded a contract or subcontract, for a stated period of time, from the date of conviction or entry of a plea or admission of guilt, if the person or business entity,

- (A) has been convicted of an act committed, within the State of Illinois or any state within the United States, of bribery or attempting to bribe an officer or employee in the State of Illinois, or any State in the United States in that officer's or employee's official capacity;
- (B) has been convicted of an act committed, within the State of Illinois or any state within the United States, of bid rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act 15 U.S.C.;
- (C) has been convicted of bid rigging or attempting to rotate bids under the laws of the State of Illinois, or any state in the United States;
- (D) has been convicted of bid rotating or attempting to rotate bids under the laws of the State of Illinois, or any state in the United States;
- (E) has been convicted of an act committed, within the State of Illinois or any state in the United States, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and Clayton Act 15 U.S.C. Sec. 1 et seq.;
- (F) has been convicted of price-fixing or attempting to fix prices under the laws of the State of Illinois, or any state in the United States;
- (G) has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois or in any state in the United States;
- (H) has made an admission of guilt of such conduct as set forth in subsection (A) through (G) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to;
- (I) has entered a plea of nolo contendere to charges of bribery, price fixing, bid rigging, bid rotating, or fraud; as set forth in subparagraphs (A) through (G) above.

Business entity, as used herein, means a corporation, partnership, trust, association, unincorporated business or individually owned business.

**(Please sign bid form indicating compliance)**

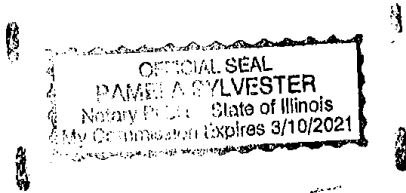
**ANTI-COLLUSION AFFIDAVIT AND CERTIFICATION**

JAKUB KAWA, being first duly sworn,  
deposes and says that he is CO-OWNER  
(Partner, Officer, Owner, Etc.)  
of SEWERTECH LLC  
(Contractor)

The party making the foregoing bid or bid, that such bid is genuine and not collusive, or sham; that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person; to fix the bid price element of said bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract. The undersigned certifies that he is not barred from bidding on this contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid-rotating.

X JAKUB KAWA  
(Name of Bidder if the Bidder is an Individual)  
(Name of Partner if the Bidder is a Partnership)  
(Name of Officer if the Bidder is a Corporation)

The above statements must be subscribed a sworn to before a notary public.  
Subscribed and Sworn to this 13<sup>th</sup> day of APRIL, 2020



Pamela Sylvester  
Notary Public

*Failure to complete and return this form may be considered sufficient reason for rejection of the bid.*

**CONFLICT OF INTEREST**

JAKUB KAWA

hereby certifies that

it has conducted an investigation into whether an actual or potential conflict of interest exists between the bidder, its owners and employees and any official or employee of the Municipalities.

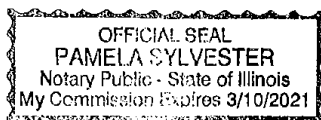
Bidder further certifies that it has disclosed any such actual or potential conflict of interest and acknowledges if bidder has not disclosed any actual or potential conflict of interest, the Municipalities may disqualify the bid.

JAKUB KAWA

(Name of Bidder if the Bidder is an Individual)  
(Name of Partner if the Bidder is a Partnership)  
(Name of Officer if the Bidder is a Corporation)

The above statements must be subscribed and sworn to before a notary public.

Subscribed and Sworn to this 15<sup>th</sup> day of April, 2020



Pamela Sylvester  
Notary Public

*Failure to complete and return this form may be considered sufficient reason for rejection of the bid.*



**TAX COMPLIANCE AFFIDAVIT**

JAKUB KAWA, being first duly sworn,

deposes and says that he is CO - OWNER  
(Partner, Officer, Owner, Etc.)

of SEWERTECH LLC  
(Contractor)

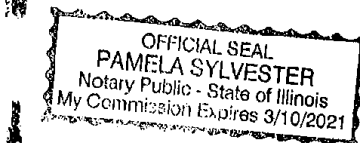
The individual or entity making the foregoing bid or bid certifies that he is not barred from contracting with the Municipalities because of any delinquency in the payment of any tax administered by the Department of Revenue unless the individual or entity is contesting, in accordance with the procedures established by the appropriate revenue act, or entity making the bid or bid understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition, voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action

JAKUB KAWA

(Name of Bidder if the Bidder is an Individual)  
(Name of Partner if the Bidder is a Partnership)  
(Name of Officer if the Bidder is a Corporation)

The above statements must be subscribed and sworn to before a notary public.

Subscribed and Sworn to this 1st day of April, 2020



Pamela Sylvester  
Notary Public

Failure to complete and return this form may be considered sufficient reason for rejection of the bid.

NO SUB-CONTRACTORS USED

**SUB-CONTRACTOR INFORMATION**

(ATTACH ADDITIONAL PAGES AS NEEDED)

Name: \_\_\_\_\_ # Years In Business: \_\_\_\_\_

Address: \_\_\_\_\_ # Years used by Contractor: \_\_\_\_\_

Services provided by Sub-Contractor: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_ # Years In Business: \_\_\_\_\_

Address: \_\_\_\_\_ # Years used by Contractor: \_\_\_\_\_

Services provided by Sub-Contractor: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_ # Years In Business: \_\_\_\_\_

Address: \_\_\_\_\_ # Years used by Contractor: \_\_\_\_\_

Services provided by Sub-Contractor: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**PARTICIPATION AFFIDAVIT**

JAKUB KAWA, being first duly sworn,

deposes and says, under penalties as provided in Section -109 of the Illinois Code of Civil Procedures, 735 ILCS 5/1-

109, that he is CO-OWNER  
(Partner, Officer, Owner, Etc.)

of SEWERTECH LLC  
(Contractor)

The individual or entity making the foregoing Bid or quotation certifies that the Contractor or SubContractor, respectively, is not barred from being awarded a contract or subcontract pursuant to 30 ILCS 500/50-10. Additionally, the Contractor or SubContractor, respectively, certifies he/she is not suspended from doing business with any State, Federal or Local Agency.

JAKUB KAWA  
(Name of Quoter if the Quoter is an Individual)  
(Name of Partner if the Quoter is a Partnership)  
(Name of Officer if the Quoter is a Corporation)

The above statements must be subscribed and sworn to before a notary public.

Subscribed and Sworn to this 1<sup>st</sup> day of April, 2020



Pamela Sylvester  
Notary Public

Failure to complete and return this form will be considered sufficient reason for rejection of the bid.

RFB Number 201.001003.20  
CCTV Inspections

42

Due: April 2, 2020, 10:00 AM

## ADDENDUM NO. 1

## SANITARY &amp; STORM SEWER CLOSED CIRCUIT TELEVISION (CCTV) INSPECTION

FOR THE MUNICIPALITIES OF:  
BANNOCKBURN, LAKE ZURICH, LINCOLNSHIRE, ROLLING MEADOWS, AND VERNON HILLS

March 27, 2020

TO: ALL PROSPECTIVE BIDDERS

FROM: VILLAGE OF LAKE ZURICH

Only questions answered by formal written Addendum will be binding. Oral and other interpretations or clarifications will be without legal effect.

## ADDENDUM NO. 1

This Addendum is an integral part of the contract documents and shall be treated as such. Bidders shall acknowledge receipt of this Addendum by signing below and including this sheet in the bid proposal as indicated below.

This Addendum No. 1 contains the following revisions detailed below;

1. Due to the shelter-in-place order from the Governor, Lake Zurich Village Hall is closed. The Sanitary and Storm Sewer CCTV Inspection bid opening will still occur as planned on Thursday, April 2, 2020 at 10:00 AM.

A drop-off box has been set up outside of the Village Hall front entrance. Sealed bids shall be placed in the drop-off box prior to 10:00 AM on Thursday, April 2, 2020.

A closed-door bid opening will occur at 10:00 AM, and all bids will be recorded and notarized by the Office of the Village Clerk. Results will be posted publicly on the online bidding portal QuestCDN.com, Project #6904131.

Questions regarding the drop-off box location may be directed to Mike Brown, Director of Public Works, at (847) 276-5915.

2. Traffic Control for televising along major State or County highways will be considered Extra Work and will be paid via Force Account according to Section 109.04 of the IDOT Standard Specifications. Extra work must be agreed to in writing by the Municipality prior to start of work.
3. Professional Liability Insurance requirements removed from the contract.

Signed: 

JAKUB KAWA  
Printed Name

SEWERTECH LLC  
Name of Company

**REVISIONS:****Legal Notice, Page 2, Paragraph 1 is revised as follows:**

Official notice is hereby given that separate sealed bids will be received in a drop-off box located outside of the Village Hall front entrance, 70 E. Main Street, Lake Zurich Illinois 60047 until 10:00 a.m. local time on April 2, 2020. Sealed bids will be opened in a closed-door bid opening at 10:00 a.m. on April 2, 2020, and all bids will be recorded and notarized by the Office of the Village Clerk. Results will be posted publicly on the online bidding portal QuestCDN.com, project #6904131 for the following:

**Scope of Services, Measurement of Payment, Page 15, Section 7.8 is added as follows:**

7.8 Traffic Control - Traffic control along major County or State roads shall be considered extra work and will be paid via Force Account according to Section 109.04 of the IDOT Standard Specifications. All other Traffic Control shall be considered incidental to the bid items. Extra work must be agreed to in writing by the Municipality prior to start of work.

**Special Terms & Conditions, Professional Liability Insurance, 1 (E), Page 29 is revised as follows:**

E. SECTION INTENTIONALLY DELETED

End of Addendum No. 1.

Bond Number 2434027

## Bid Bond

KNOW ALL BY THESE PRESENTS, That We, Sewertech LLC as Principal, and WEST BEND MUTUAL INSURANCE COMPANY, a corporation organized under the laws of the State of Wisconsin and having its principal office in Middleton, Wisconsin, in said State, as Surety, are held and firmly bound unto Village of Lake Zurich as Owner, in the full and just sum of Five Percent ( 5 %) of amount bid for the payment whereof said Principal binds its heirs, administrators, and executors and said Surety binds itself, its successors and assigns firmly by these presents

WHEREAS, said Principal has submitted to said Owner a bid or proposal for Sanitary and Storm Sewer Closed Circuit Television Inspection for Bennockburn, Lake Zurich, Lincolnshire, Rolling Meadows and Vernon Hills

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH that if within Sixty days hereof and in accordance with said proposal a contract shall be awarded to said Principal and the said Principal shall enter into a contract for said work and shall furnish bond with surety as required for its faithful performance then this obligation shall be void, otherwise remain in full force and virtue.

Signed and Sealed this 2 day of April, 20 20

### Principal:

Sewertech LLC

Witness: [Signature]

By: [Signature] (SEAL)

Name Typed: Jakob Kawa Owner

Title

### Surety:

West Bend Mutual Insurance Company

Witness: [Signature]

By: [Signature] (SEAL)

Name Typed: TIM M SCHOL, Attorney-In-Fact

Title

Agency Name: SCHOL & ASSOCIATES INC

Address: 113 W MAIN STREET

WEST DUNDEE, IL 60118

Phone Number: (847) 428-0052

MICHIGAN ONLY: This policy is exempt from the filing requirements of Section 2238 of the Insurance Code of 1956, 1956 PA 218 and MCL 500.2236.

NB 0192 11 17

Page 1 of 1

PO Box 620976 | Middleton, WI 53562 | Phone: (608) 410-3410 | Fax: (877) 674-2863 | www.thesilverlining.com





THE SILVER LINING®

Bond No. 2434027

**POWER OF ATTORNEY**

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

TIM M SCHOL

lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of:

Ten Million Dollars (\$10,000,000)

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21<sup>st</sup> day of December, 1999.

*Appointment of Attorney-in-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.*

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 22nd day of September, 2017.

Attest

*Christopher C. Zwygart*  
Christopher C. Zwygart  
Secretary



*Kevin A. Steiner*  
Kevin A. Steiner  
Chief Executive Officer/President

State of Wisconsin  
County of Washington

On the 22nd day of September, 2017, before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.



*Juli A. Benedum*  
Juli A. Benedum  
Senior Corporate Attorney  
Notary Public, Washington Co., WI  
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 2nd day of April, 2020.



*Heather Dunn*  
Heather Dunn  
Vice President - Chief Financial Officer

**Notice:** Any questions concerning this Power of Attorney may be directed to the Bond Manager at NSI, a division of West Bend Mutual Insurance Company.

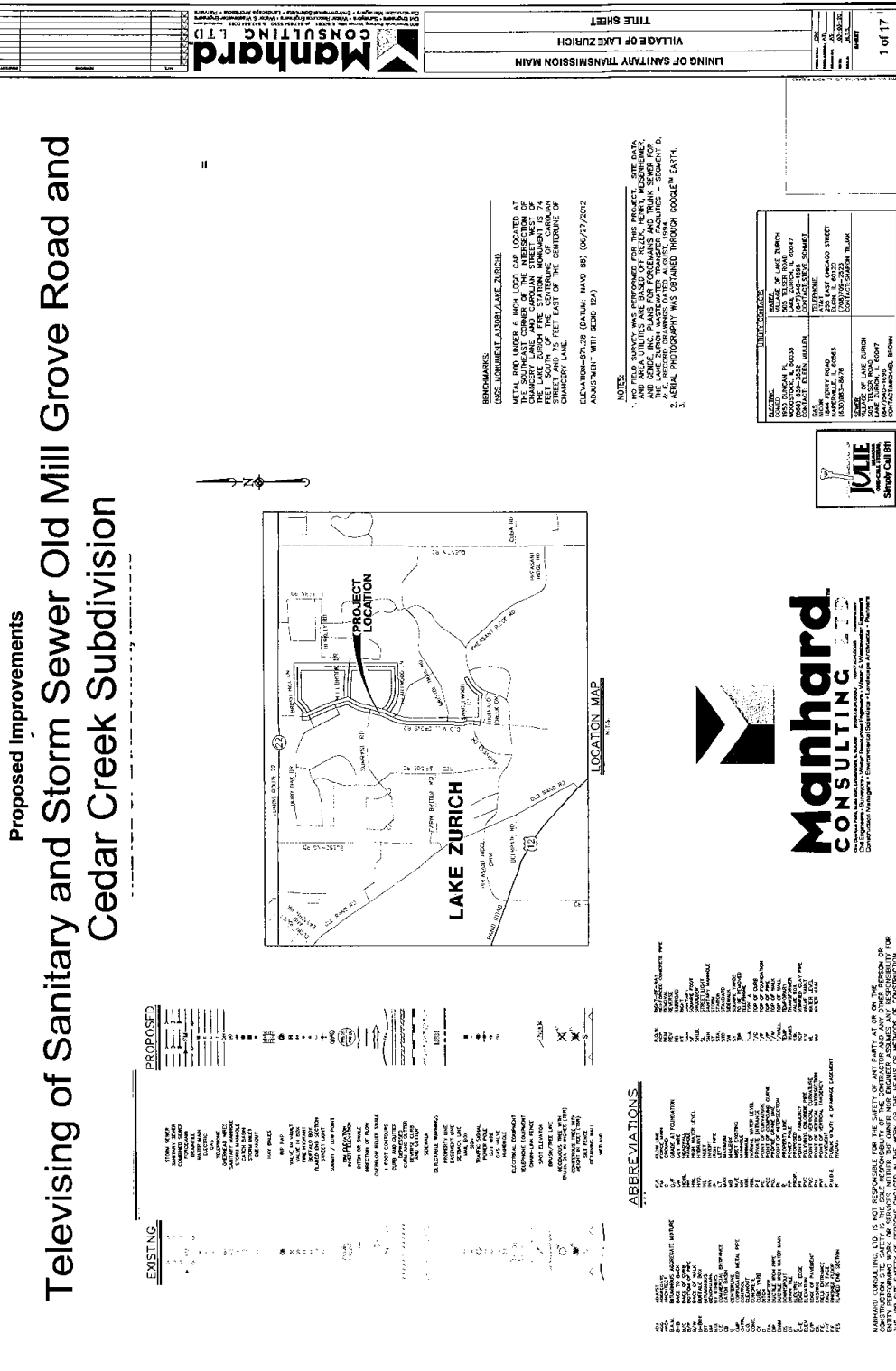
1900 S. 18<sup>th</sup> Ave. West Bend, WI 53095 | ph (262) 334-6430 | 1-800-236-5004 | fax (262) 338-5058 | www.theilverlining.com

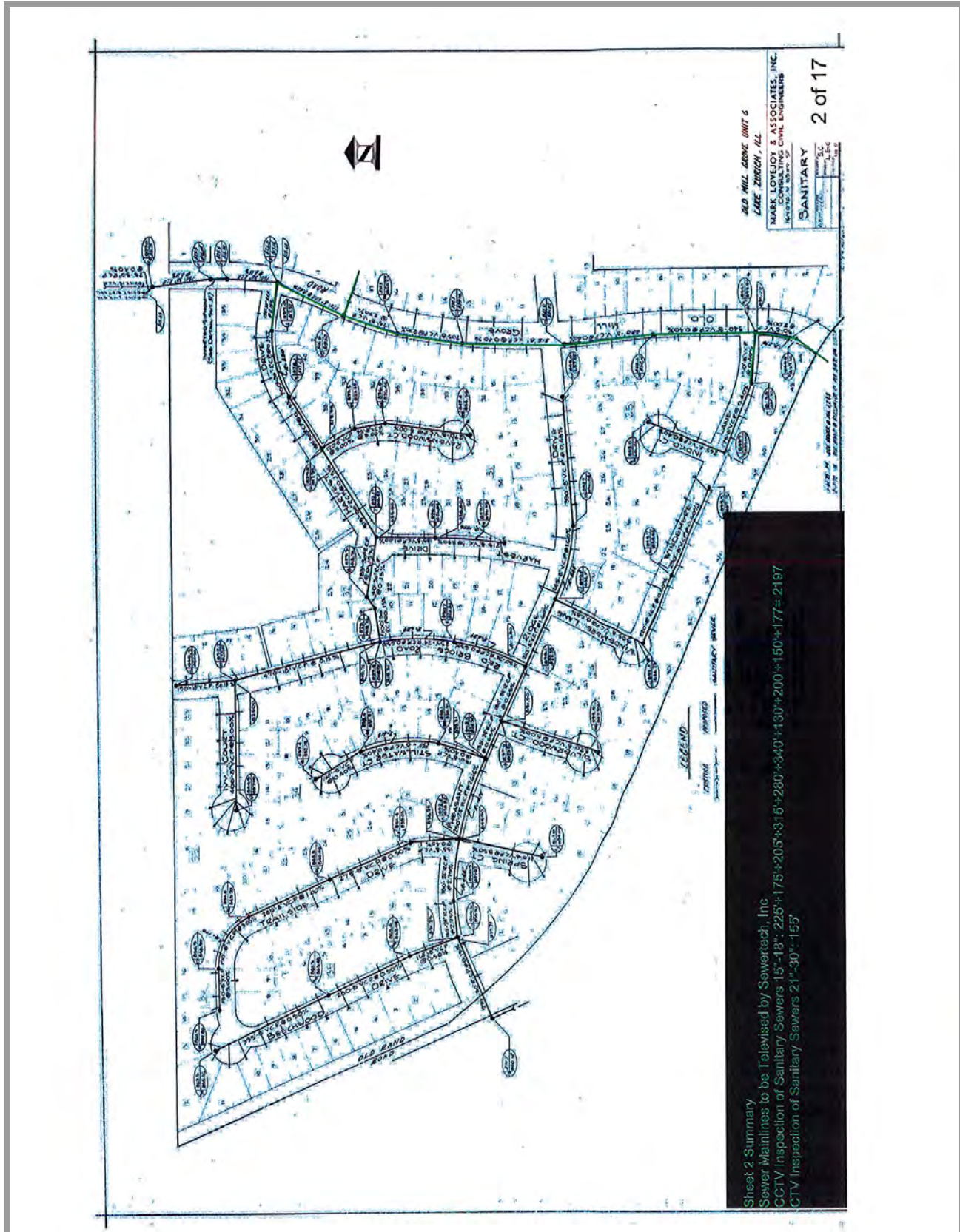


# Sewer Televising

Sewertech Televising Sanitary and Storm Mainlines	Sanitary			Storm	
Sheet Number	8"-12"	15"-18"	21"-30"	6'-42"	48"-72"
Sheet 2 South Limit - Harvest Drive		2197	155		
Sheet 3 South Limit - Harvest Drive				1995	
Sheet 4 Harvest Drive-Sandlewood			217	328	
Sheet 5 Sandlewood-Britany	323	1175		1073	
Sheet 6 Britany - Surrey	406	833		386	
Sheet 7 Surrey - Lot 130	927	151	85	820	99
Sheet 8 Lot 130 to IL 22	923		803	445	
Sheet 9 Heartwood, Hobbleshush and Kingwood	289	1529		2197	
Sheet 10 Hobbleshush		2100			
Sheet 11 Unit 4 Storm Sewer				6434	1342
Sheet 12 Cedar Creek 1	2312				
Sheet 13 Cedar Creek 2	1051				
Sheet 14 Cedar Creek 3	2486				
Sheet 15 Cedar Creek 4	1176				
Total	9893	7985	1260	13678	1441
	\$1.75	\$1.85	\$2.25	\$1.85	\$2.25
Subtotal	\$ 17,312.75	\$ 14,772.25	\$ 2,835.00	\$ 25,304.30	\$ 3,242.25
15% Contingency for Heavy Cleaning (\$425/hr) or Root Cutting (\$0.85-\$8.00/LF)	\$ 19,909.66	\$ 16,988.09	\$ 3,260.25	\$ 29,099.95	\$ 3,728.59
<b>Sewertech Total</b>	<b>\$72,986.53</b>				



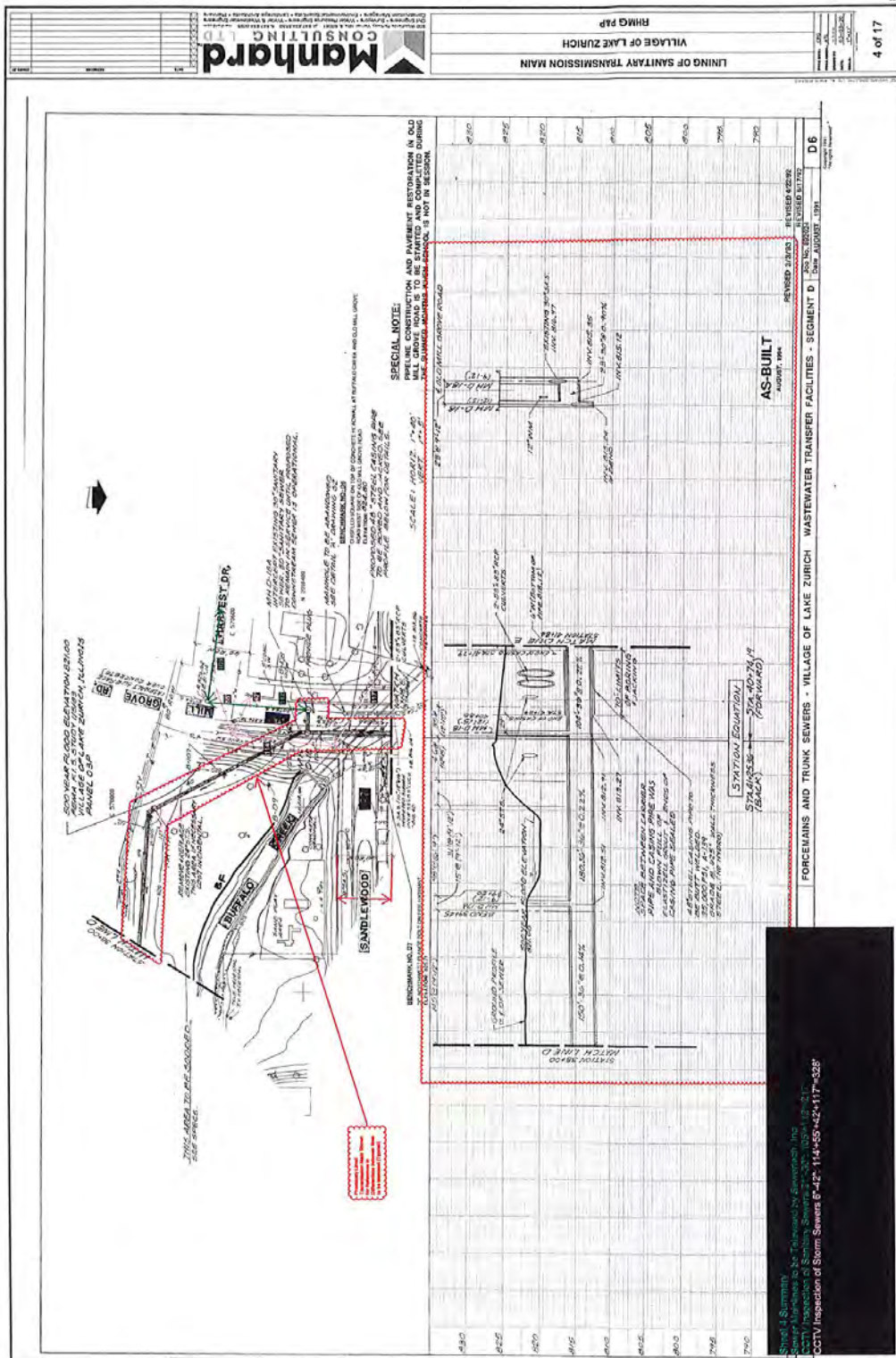








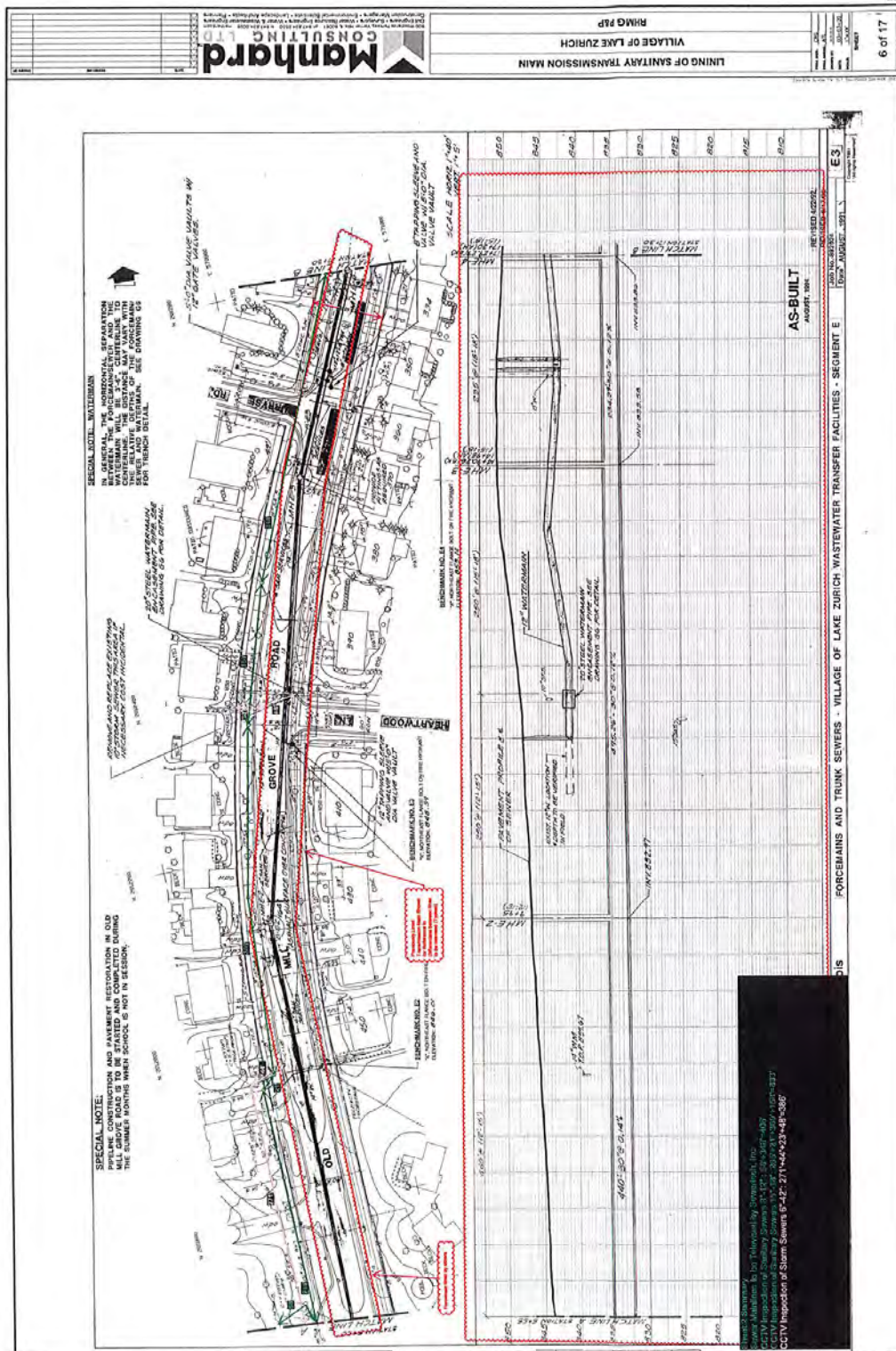


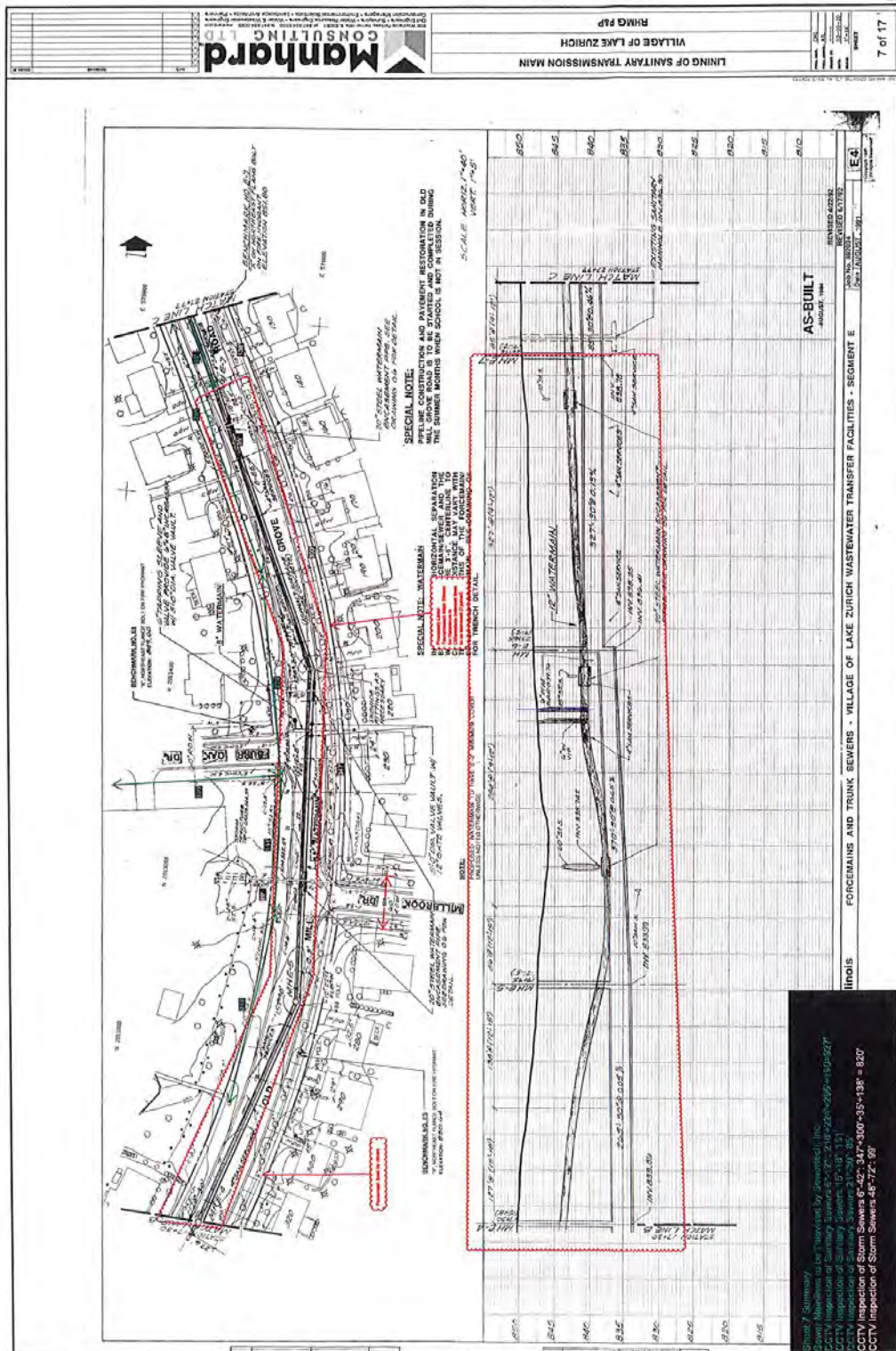
















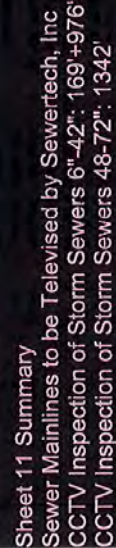




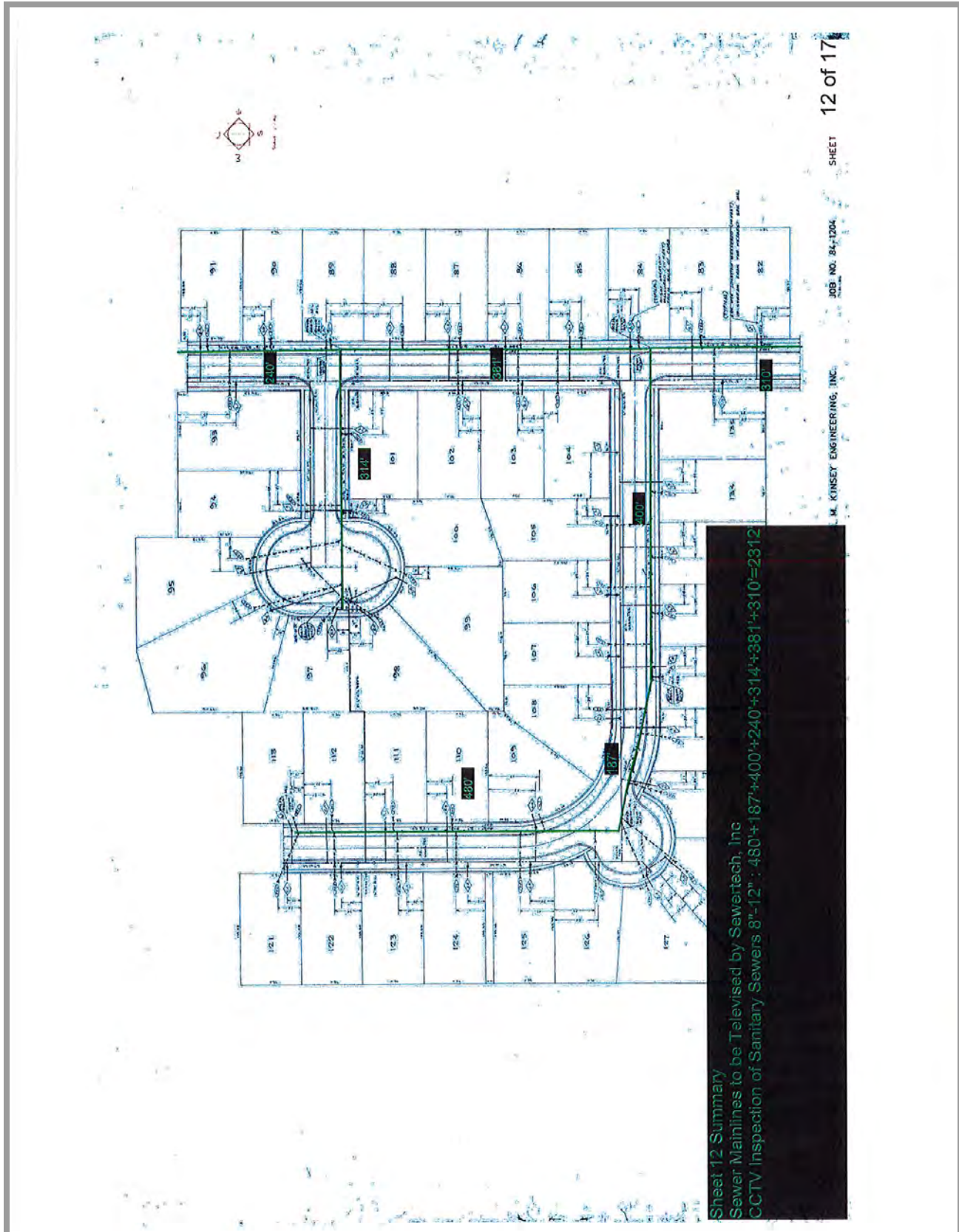


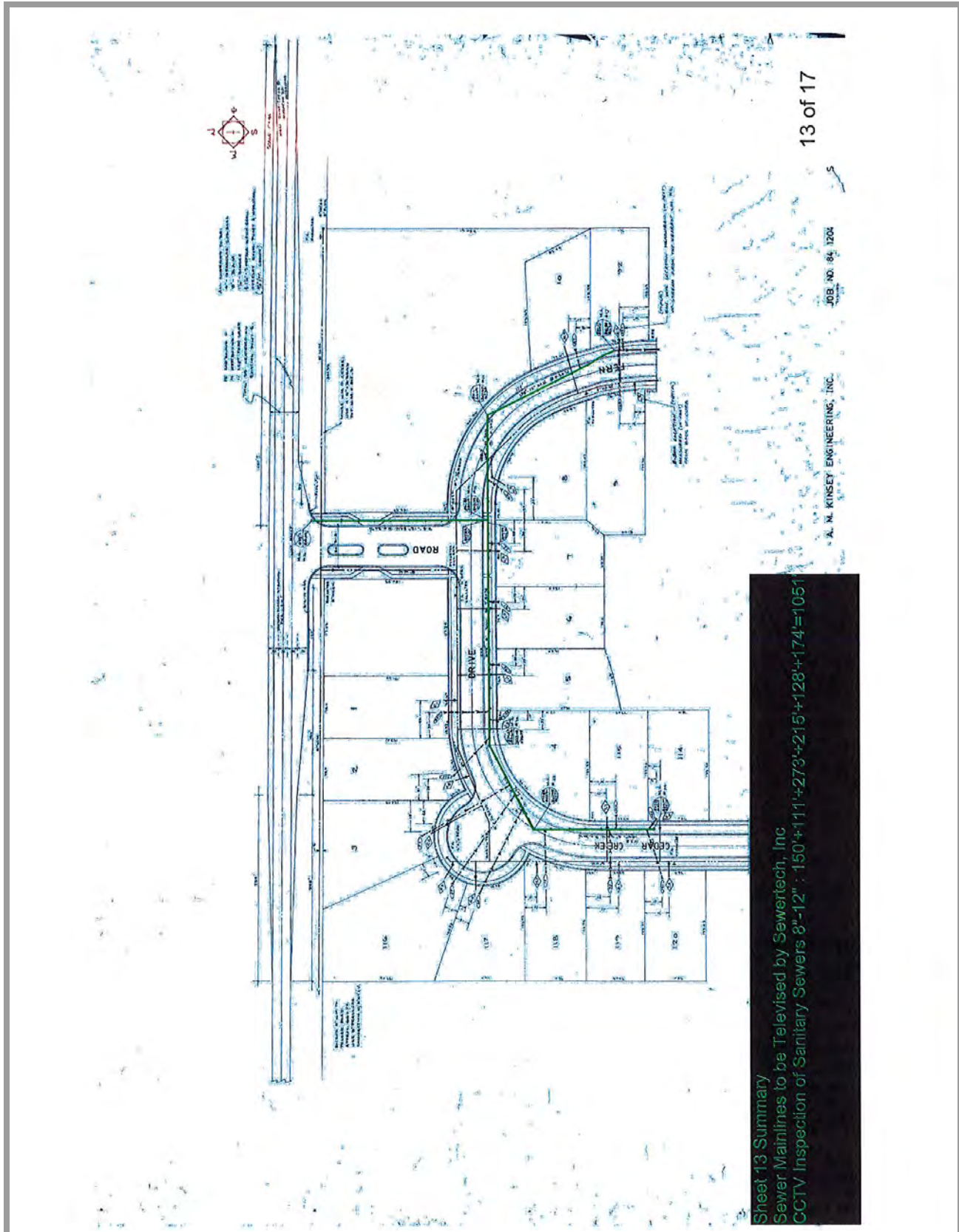




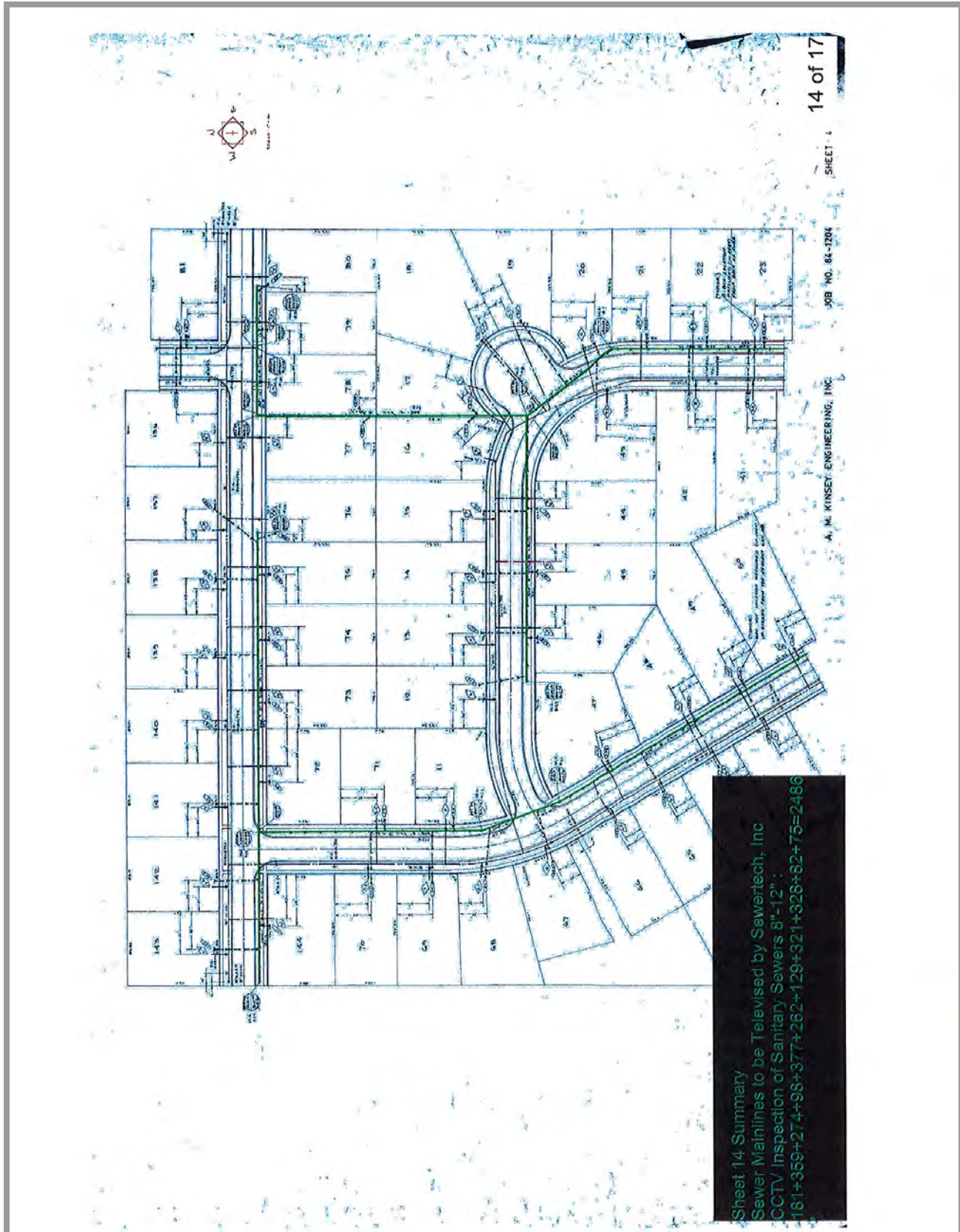




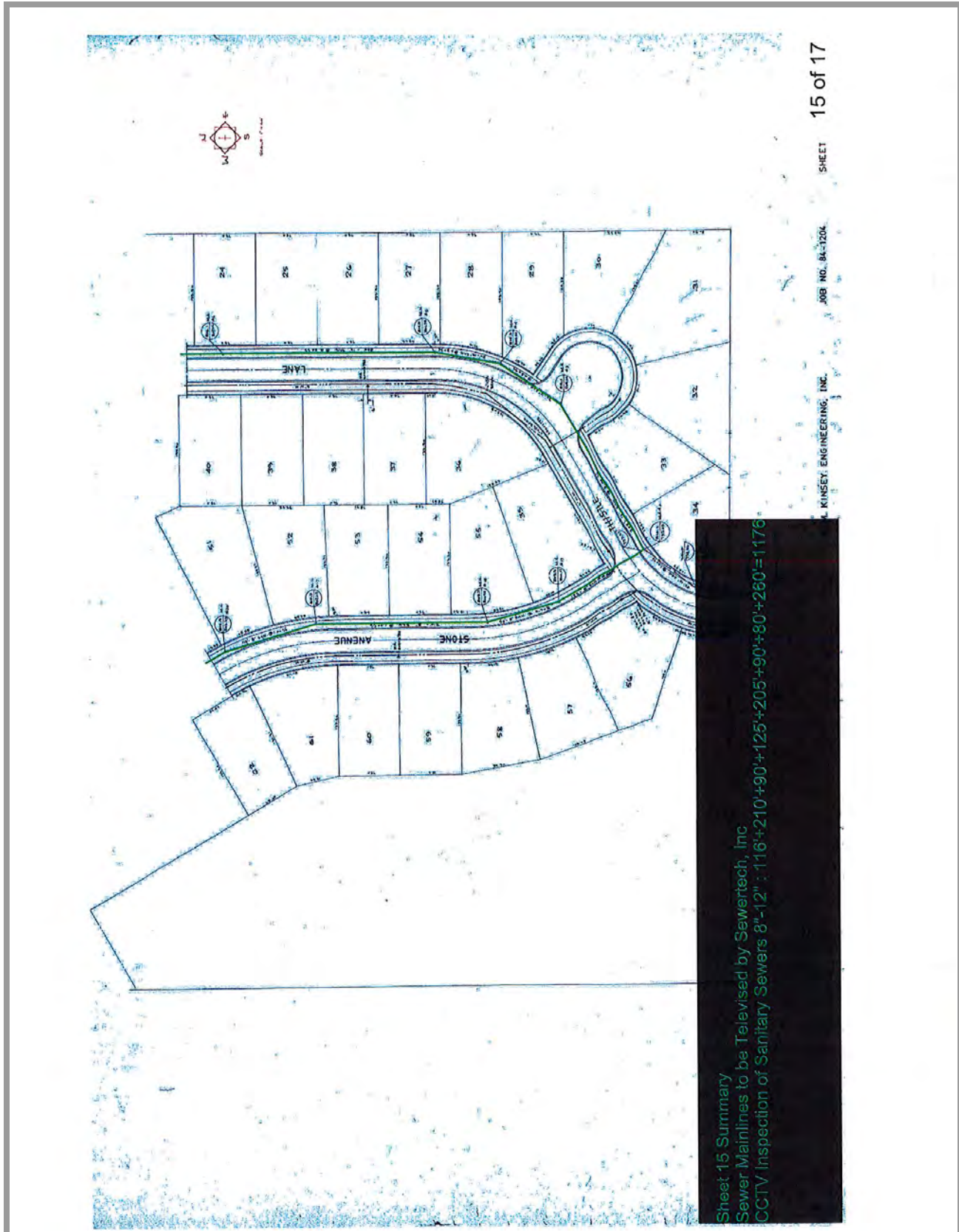


















*At the Heart of Community*

VILLAGE MANAGER'S OFFICE

Lake Zurich Village Hall  
70 East Main Street  
Lake Zurich, Illinois 60047

(847) 438-5141  
LakeZurich.org

6K

MEMORANDUM

Date: November 2, 2022

To: Ray Keller, Village Manager *PK*

From: Kyle Kordell, Assistant to the Village Manager

Subject: **2023 Annual Schedule of Meetings**

**Issue:** Attached is the annual schedule of meetings for calendar year 2023 for all Village of Lake Zurich commissions, advisory panels, and pension boards.

**Analysis:** Approval and subsequent notification of the proposed meeting schedule for calendar year 2023 fulfills the State of Illinois Open Meetings Act requirement that all public bodies give notice of the dates, times, and places of regularly scheduled meetings.

**Recommendation:** Staff recommends the Village Board approve the attached annual schedule of meetings for 2023.

w/ Attachments: Annual schedule of meetings for 2023

Approved on \_\_\_\_\_

**VILLAGE OF LAKE ZURICH, ILLINOIS**  
**Annual Schedule of Meetings for 2023**

All meetings are held at the Village of Lake Zurich, 70 East Main Street unless otherwise noted below. Village Board and Planning & Zoning Commission meetings are webcast live at LakeZurich.org and Facebook Live.

**BOARD OF TRUSTEES** meets the 1<sup>st</sup> and 3<sup>rd</sup> Monday each month at **7:00 PM** at Village Hall except for Tuesdays on: January 3, 2023 (*closed January 2, 2023*), February 21, 2023 (*closed February 20, 2023*) and September 5, 2023 (*closed September 4, 2023*).

**COMMUNITY & POLICE ADVISORY COMMITTEE** meets the 3<sup>rd</sup> Wednesday of every 3<sup>rd</sup> month at **6:30 pm** (Training Room at Police Station).

March 15                      June 21                      September 20                      December 20

**FIRE & POLICE COMMISSION** meets the 3<sup>rd</sup> Tuesday each month at **5:30 pm** at the Police Dept, 200 Mohawk Trail.

January 17              February 21              March 21              April 18              May 16              June 20  
 July 18                  August 15                  September 19              October 17              November 21              December 19

**FIRE PENSION BOARD** meets the 3<sup>rd</sup> Wednesday of every 3<sup>rd</sup> month at **8:00 a.m.** at Village Hall.

January 18                      April 19                      July 19                      October 18

**PARK & RECREATION ADVISORY BOARD** meets the 2<sup>nd</sup> Tuesday of every 2<sup>nd</sup> month at **6:30 pm** at Village Hall.

February 14              April 11              June 13              August 8                      October 10                      December 12

**PLANNING & ZONING COMMISSION** meets the 3<sup>rd</sup> Wednesday each month at **7:00 pm** at Village Hall.

January 18              February 15              March 15                      April 19                      May 17                      June 21  
 July 19                  August 16                  September 20                      October 18                      November 15                      December 20

**POLICE PENSION BOARD** meets the 2<sup>nd</sup> Tuesday of every 3<sup>rd</sup> month at **8:00 am** at the Police Dept., 200 Mohawk Trail.

January 10                      April 11                      July 11                      October 10

**TREE COMMISSION** meets the first Tuesday of every month at **6:30 pm** at Community Services, 505 Telser Road.

January 3              February 7                      March 7                      April 4                      May 2                      June 6  
 July 11                  August 1                      September 5                      October 3                      November 7                      December 5





*At the Heart of Community*

COMMUNITY DEVELOPMENT DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

Phone (847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

AGENDA ITEM

7A

MEMORANDUM

Date: November 7, 2022

To: Ray Keller, Village Manager

From: Sarosh Saher, Community Development Director

CC: Tim Verbecke, Planner  
Mary Meyer, Building Services Supervisor

Re: **Request to Continue Consideration to November 21, 2022**  
**Zoning Application for a Planned Unit Development**  
**OSK Townhome Subdivision – 670 South Old Rand Road**

**Issue:** Mr. Lawrence M. Freedman, of Ash, Anos, Freedman & Logan, LLC, the attorney for OSK Capital Partners, LLC, a Real Estate Developer of Highland Park, (the “Applicant”), requests approval of a Planned Unit Development, Zoning Map Amendment and Preliminary Plat of Subdivision to construct a new residential townhome subdivision at 670 South Old Rand Road.

**Background:** The Application was presented to the Village Board at the October 3, 2022. Specifically, the Applicant was seeking approval of the following:

- An amendment to the Zoning Map to rezone the Property from R-1/2 Single-Family Residential District to R-6 Multiple-Family Residential District;
- A Special Use Permit for a Planned Unit Development and approval of a Development Concept Plan to develop the Property with multiple-family residences;
- Approval of a Preliminary Plat of Subdivision;
- Site Plan Approval and Exterior Appearance Review consistent with a Development Concept Plan; and
- Modifications pursuant to the PUD to the existing bulk requirements of the R-6 multiple-family residential district, related to an increase in building height and subdivision wide exterior lighting.

Following the presentation by the Applicant and discussion of the proposed development, the Village Board voted to continue consideration of the proposed development to November 7, 2022 to give the applicant the opportunity to address the questions and comments of the Village Board within a revised proposal.

OSK Townhome Subdivision - 670 South Old Rand Road  
November 7, 2022

The video stream of the presentation and discussion, including the submittal documents from October 3, 2022 can be viewed at the following link:

<https://play.champds.com/lakezurichil/event/67>

**Request:** The Applicant has requested additional time to address the comments and questions of the Village Board and requested further continuance of consideration to the next scheduled board meeting on November 21, 2022.

**Recommendation:** Staff recommends that the Village Board continue consideration of the Residential Subdivision by OSK Townhouse Development at 670 South Old Rand Road to November 21, 2022.

# REIMER DOBROVOLNY & LABARDI PC

A PUBLIC SAFETY LAW FIRM



\*RICHARD J. REIMER  
JAMES L. DOBROVOLNY  
BRIAN J. LABARDI  
VINCENT C. MANCINI  
NEMURA G. PENCYLA

15 SPINNING WHEEL ROAD, SUITE 310, HINSDALE, ILLINOIS 60521  
(630) 654-9547 (630) 654-9676 FAX  
WWW.RDLABORLAWPC.COM

306 W. GREEN STREET  
URBANA, ILLINOIS 61801  
217-344-2376

PATRICK N. ROBERTS  
CHRIS W. POTTHOFF, JR.

\*SHAREHOLDER

840 S. SPRING STREET, SUITE D  
SPRINGFIELD, ILLINOIS 62704

October 19, 2022

Honorable Tom Poynton, Mayor  
Village of Lake Zurich  
70 E. Main St.  
Lake Zurich, Illinois 60047

***By Priority Mail Signature Confirmation***

Re: Lake Zurich Firefighters' Pension Fund-Annual Tax Levy Requirements

Mayor Poynton:

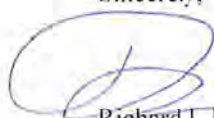
Please be advised that the undersigned is legal counsel for the Lake Zurich Firefighters' Pension Fund. At the July 20, 2022 Pension Board meeting, the Pension Board Trustees discussed the annual tax levy/municipal contribution requirements for the Pension Fund for the upcoming tax year. As you are aware, the Pension Board either relies on an actuarial valuation performed by the Illinois Department of Insurance or an independent actuary employed by the Pension Board or the Village.

In this case, the Pension Board relied on the Actuarial Valuation of Foster & Foster, an independent actuary retained by the Village, for purposes of determining the "recommended levy". The recommended levy for the upcoming tax year, in order to satisfy the annual requirements of the Lake Zurich Firefighters' Pension Fund is \$2,512,418. A copy of the Foster & Foster Actuarial Report is attached for your review.

Accordingly, pursuant to §5/4-118 of the Pension Code, the Lake Zurich Firefighters' Pension Board is requesting that the Village levy or contribute that amount for the upcoming tax year in order to satisfy the annual requirements of the Firefighters' Pension Fund. The Board understands that the Village has retained its own actuary.

I have also attached the Municipal Compliance Report. Thank you for your anticipated cooperation and assistance in this matter. Please do not hesitate to contact the undersigned should you have any questions concerning this matter.

Sincerely,



Richard J. Reimer

RJR/ms  
Enclosure

cc: Firefighter Spencer Cornell, President  
Lake Zurich Firefighters' Pension Board

THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND  
PUBLIC ACT 95-0950 - MUNICIPAL COMPLIANCE  
REPORT  
  
FOR THE FISCAL YEAR ENDED  
DECEMBER 31, 2021





Lauterbach & Amen, LLP

CERTIFIED PUBLIC ACCOUNTANTS

668 N. RIVER ROAD • NAPERVILLE, ILLINOIS 60563

PHONE 630.393.1483 • FAX 630.393.2516  
www.lauterbachamen.com

October 17, 2022

Members of the Pension Board of Trustees  
Lake Zurich Firefighters' Pension Fund  
Lake Zurich, Illinois

Enclosed please find a copy of your Municipal Compliance Report for the Lake Zurich Firefighters' Pension Fund for the fiscal year ended December 31, 2021. We have prepared the report with the most recent information available at our office. Should you have more current information, or notice any inaccuracies, we are prepared to make any necessary revisions and return them to you.

The President and Secretary of the Pension Fund are required to sign the report on page 3. If not already included with the enclosed report, please also include a copy of the Pension Fund's most recent investment policy.

The signed Public Act 95-0950 - Municipal Compliance Report must be provided to the Municipality before the tax levy is filed on the last Tuesday in December. We are sending the report via email to promote an environmentally-friendly work atmosphere.

If you have any questions regarding this report, please contact your Client Manager or PSA.

Respectfully submitted,

*Lauterbach & Amen, LLP*

LAUTERBACH & AMEN, LLP

**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

The Pension Board certifies to the Board of Trustees of the Village of Lake Zurich, Illinois on the condition of the Pension Fund at the end of its most recently completed fiscal year the following information:

- 1) The total cash and investments, including accrued interest, of the fund at market value and the total net position of the Pension Fund:

	Current Fiscal Year	Preceding Fiscal Year
Total Cash and Investments (including accrued interest)	<u>\$54,708,635</u>	<u>\$48,452,909</u>
Total Net Position	<u>\$54,708,093</u>	<u>\$48,430,770</u>

- 2) The estimated receipts during the next succeeding fiscal year from deductions from the salaries of firefighters' and from other sources:

Estimated Receipts - Employee Contributions	<u>\$514,100</u>
Estimated Receipts - All Other Sources	
Investment Earnings	<u>\$3,829,600</u>
Municipal Contributions	<u>\$2,512,418</u>

- 3) The estimated amount necessary during the fiscal year to meet the annual actuarial requirements of the pension fund as provided in Sections 4-118 and 4-120:

Annual Requirement of the Fund as Determined by:

Illinois Department of Insurance	<u>\$2,121,689</u>
Private Actuary - Lauterbach & Amen, LLP	
Recommended Municipal Contributions	<u>\$2,450,645</u>
Alternative Municipal Contributions	<u>\$1,538,166</u>

**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

- 3) The estimated amount necessary during the fiscal year to meet the annual actuarial requirements of the pension fund as provided in Sections 4-118 and 4-120 - Continued:

Private Actuary - Foster & Foster

Recommended Municipal Contributions	<u>\$2,512,418</u>
-------------------------------------	--------------------

Statutory Municipal Contributions	<u>\$2,058,238</u>
-----------------------------------	--------------------

- 4) The total net income received from investment of assets along with the assumed investment return and actual investment return received by the fund during its most recently completed fiscal year compared to the total net income, assumed investment return, and actual investment return received during the preceding fiscal year:

	<u>Current Fiscal Year</u>	<u>Preceding Fiscal Year</u>
Net Income Received from Investment of Assets	<u>\$5,605,900</u>	<u>\$6,076,966</u>
Assumed Investment Return		
Illinois Department of Insurance	<u>6.50%</u>	<u>6.50%</u>
Private Actuary - Lauterbach & Amen, LLP	<u>7.00%</u>	<u>7.00%</u>
Private Actuary - Foster & Foster	<u>6.75%</u>	<u>6.75%</u>
Actual Investment Return	<u>10.87%</u>	<u>13.51%</u>

- 5) The increase in employer pension contributions that results from the implementation of the provisions of P.A. 93-0689:

Illinois Department of Insurance	<u>N/A</u>
Private Actuary - Lauterbach & Amen, LLP	<u>N/A</u>
Private Actuary - Foster & Foster	<u>N/A</u>

**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

- 6) The total number of active employees who are financially contributing to the fund:

Number of Active Members	<u>50</u>
--------------------------	-----------

- 7) The total amount that was disbursed in benefits during the fiscal year, including the number of and total amount disbursed to (i) annuitants in receipt of a regular retirement pension, (ii) recipients being paid a disability pension, and (iii) survivors and children in receipt of benefits:

	<u>Number of</u>	<u>Total Amount Disbursed</u>
(i) Regular Retirement Pension	<u>20</u>	<u>\$1,527,133</u>
(ii) Disability Pension	<u>11</u>	<u>\$652,575</u>
(iii) Survivors and Child Benefits	<u>4</u>	<u>\$46,552</u>
Totals	<u>35</u>	<u>\$2,226,259</u>

- 8) The funded ratio of the fund:

	<u>Current Fiscal Year</u>	<u>Preceding Fiscal Year</u>
Illinois Department of Insurance	<u>70.01%</u>	<u>66.37%</u>
Private Actuary - Lauterbach & Amen, LLP	<u>74.84%</u>	<u>68.01%</u>
Private Actuary - Foster & Foster	<u>69.51%</u>	<u>66.49%</u>

**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

- 9) The unfunded liability carried by the fund, along with an actuarial explanation of the unfunded liability:

Unfunded Liability:

Illinois Department of Insurance	<u>\$21,331,760</u>
Private Actuary - Lauterbach & Amen, LLP	<u>\$16,862,402</u>
Private Actuary - Foster & Foster	<u>\$21,932,624</u>

The accrued liability is the actuarial present value of the portion of the projected benefits that has been accrued as of the valuation date based upon the actuarial valuation method and the actuarial assumptions employed in the valuation. The unfunded accrued liability is the excess of the accrued liability over the actuarial value of assets.

- 10) The investment policy of the Pension Board under the statutory investment restrictions imposed on the fund.

Investment Policy - See Attached.

Please see Notes Page attached.

CERTIFICATION OF MUNICIPAL FIREFIGHTERS'  
PENSION FUND COMPLIANCE REPORT

The Board of Trustees of the Pension Fund, based upon information and belief, and to the best of our knowledge, hereby certify pursuant to §4-134 of the Illinois Pension Code 40 ILCS 5/4-134, that the preceding report is true and accurate.

Adopted this 19<sup>th</sup> day of Oct, 2022

President  Date October 19<sup>th</sup> 2022

Secretary  Date 10/19/22



**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

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**INDEX OF ASSUMPTIONS**

- 1) Total Cash and Investments - as Reported at Market Value in the Audited Financial Statements for the Years Ended December 31, 2021 and 2020.

Total Net Position - as Reported in the Audited Financial Statements for the Years Ended December 31, 2021 and 2020.

- 2) Estimated Receipts - Employee Contributions as Reported in the Audited Financial Statements for the Year Ended December 31, 2021 plus 3.25% Increase (Actuarial Salary Increase Assumption) Rounded to the Nearest \$100.

Estimated Receipts - All Other Sources:

Investment Earnings - Cash and Investments as Reported in the Audited Financial Statements for the Year Ended December 31, 2021, times 7% (Actuarial Investment Return Assumption) Rounded to the Nearest \$100.

Recommended Amount of Tax Levy as Reported by Foster & Foster in the December 31, 2021 Actuarial Valuation.

- 3) Annual Requirement of the Fund as Determined by:

Illinois Department of Insurance - Suggested Amount of Tax Levy as Reported in the December 31, 2021 Actuarial Valuation.

Private Actuary - Lauterbach & Amen, LLP

Recommended Amount of Tax Levy as Reported by Lauterbach & Amen, LLP in the December 31, 2021 Actuarial Valuation.

Alternative Amount of Tax Levy as Reported by Lauterbach & Amen, LLP in the December 31, 2021 Actuarial Valuation.

Private Actuary - Foster & Foster

Recommended Amount of Tax Levy as Reported by Foster & Foster in the December 31, 2021 Actuarial Valuation.

Statutorily Required Amount of Tax Levy as Reported by Foster & Foster in the December 31, 2021 Actuarial Valuation.

**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

INDEX OF ASSUMPTIONS - Continued

- 4) Net Income Received from Investment of Assets - Investment Income (Loss) net of Investment Expense, as Reported in the Audited Financial Statements for the Years Ended December 31, 2021 and 2020.

Assumed Investment Return:

Illinois Department of Insurance - Current and Preceding Fiscal Year Interest Rate Assumption as Reported in the December 31, 2021 and 2020 Actuarial Valuations.

Private Actuary - Lauterbach & Amen, LLP

Current and Preceding Fiscal Year Interest Rate Assumption as Reported in the Lauterbach & Amen, LLP, December 31, 2021 and 2020 Actuarial Valuations.

Private Actuary - Foster & Foster

Current and Preceding Fiscal Year Interest Rate Assumption as Reported in the Foster & Foster, December 31, 2021 and 1900 Actuarial Valuations.

Actual Investment Return - Net Income Received from Investments as Reported Above as a Percentage of the Average of the Beginning balance of the Cash and Investments and the Ending balance of the Cash and Investments, excluding the fiscal year net investment income, as Reported in the Audited Financial Statements

- 5) Illinois Department of Insurance - No amount available at the time of this report.

No Private Actuarial Valuation amount available from Lauterbach & Amen, LLP at the time of this report.

No Private Actuarial Valuation amount available from Foster & Foster at the time of this report.

- 6) Number of Active Members - Illinois Department of Insurance Annual Statement for December 31, 2021 - Schedule P.

**THE VILLAGE OF LAKE ZURICH, ILLINOIS  
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report  
For the Fiscal Year Ending December 31, 2021**

INDEX OF ASSUMPTIONS - Continued

- 7) (i) Regular Retirement Pension - Illinois Department of Insurance Annual Statement for December 31, 2021 - Schedule P for Number of Participants and Expense page 1 for Total Amount Disbursed.

(ii) Disability Pension - Same as above.

(iii) Survivors and Child Benefits - Same as above.

- 8) The funded ratio of the fund:

Illinois Department of Insurance - Current and Preceding Fiscal Year Actuarial Value of Assets as a percentage of Accrued Liability as Reported in the December 31, 2021 and 2020 Actuarial Valuations.

Private Actuary - Lauterbach & Amen, LLP

Current and Preceding Fiscal Year Actuarial Value of Assets as a percentage of Accrued Liability as Reported in the Lauterbach & Amen, LLP, December 31, 2021 and 2020 Actuarial Valuations.

Private Actuary - Foster & Foster

Current and Preceding Fiscal Year Actuarial Value of Assets as a percentage of Accrued Liability as Reported in the Foster & Foster, December 31, 2021 and 2020 Actuarial Valuations.

- 9) Unfunded Liability:

Illinois Department of Insurance - Deferred Asset (Unfunded Accrued Liability) as Reported in the December 31, 2021 Actuarial Valuation.

Private Actuary - Lauterbach & Amen, LLP

Deferred Asset (Unfunded Accrued Liability) as Reported by Lauterbach & Amen, LLP in the December 31, 2021 Actuarial Valuation.

Private Actuary - Foster & Foster

Deferred Asset (Unfunded Accrued Liability) as Reported by Foster & Foster in the December 31, 2021 Actuarial Valuation.

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VILLAGE OF LAKE ZURICH  
FIREFIGHTERS' PENSION FUND  
ACTUARIAL VALUATION  
AS OF JANUARY 1, 2022  
CONTRIBUTIONS APPLICABLE TO THE  
PLAN/FISCAL YEAR ENDING DECEMBER 31, 2023  
GASB 67/68 DISCLOSURE INFORMATION  
AS OF DECEMBER 31, 2021



**FOSTER & FOSTER**  
ACTUARIES AND CONSULTANTS





## FOSTER & FOSTER

ACTUARIAL VALUATION AND CONSULTING

April 15, 2022

Ms. Amy Sparkowski  
Finance Director and Treasurer  
Village of Lake Zurich

Re: Actuarial Valuation Report (including GASB Statements No. 67 and No. 68) – Village of Lake Zurich Firefighters' Pension Fund

Dear Ms. Sparkowski:

We are pleased to present to the Village this report of the annual actuarial valuation of the Village of Lake Zurich Firefighters' Pension Fund. Included are the related results for GASB Statements No. 67 and No. 68. The funding valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits and to develop the appropriate funding requirements for the applicable plan year. The calculation of the liability for GASB results was performed for the purpose of satisfying the requirements of GASB Statements No. 67 and No. 68. Use of the results for other purposes may not be applicable and could produce significantly different results.

The valuations have been conducted in accordance with generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board, and reflect laws and regulations issued to date pursuant to the provisions of Article 4, Illinois Pension Code, as well as applicable federal laws and regulations. In our opinion, the assumptions used in this valuation, as adopted by the Board of Trustees, represent reasonable expectations of anticipated plan experience. Future actuarial measurements may differ significantly from the current measurements presented in this report for a variety of reasons including: changes in applicable laws, changes in plan provisions, changes in assumptions, or plan experience differing from expectations. Due to the limited scope of the valuations, we did not perform an analysis of the potential range of such future measurements.

The funding percentages and unfunded accrued liability as measured based on the actuarial value of assets will differ from similar measures based on the market value of assets. These measures, as provided, are appropriate for determining the adequacy of future contributions, but may not be appropriate for the purpose of settling a portion or all of its liabilities.

In conducting the valuations, we have relied on personnel, plan design, and asset information supplied by the Village, financial reports prepared by the custodian bank and the actuarial assumptions and methods described in the Actuarial Assumptions section of this report. While we cannot verify the accuracy of all this information, the supplied information was reviewed for consistency and reasonableness. As a result of this review, we have no reason to doubt the substantial accuracy of the information and believe that it has produced appropriate results. This information, along with any adjustments or modifications, is summarized in various sections of this report.

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The total pension liability, net pension liability, and certain sensitivity information shown in the GASB results are based on an actuarial valuation performed as of the valuation date.

In performing the analysis, we used third-party software to model (calculate) the underlying liabilities and costs. These results are reviewed in the aggregate and for individual sample lives. The output from the software is either used directly or input into internally developed models to generate the costs. All internally developed models are reviewed as part of the process. As a result of this review, we believe that the models have produced reasonable results. We do not believe there are any material inconsistencies among assumptions or unreasonable output produced due to the aggregation of assumptions.

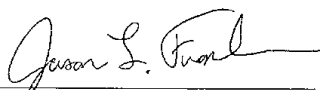
The undersigned are familiar with the immediate and long-term aspects of pension valuations and meet the Qualification Standards of the American Academy of Actuaries necessary to render the actuarial opinions contained herein. All of the sections of this report are considered an integral part of the actuarial opinions.

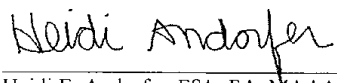
To our knowledge, no associate of Foster & Foster, Inc. working on valuations of the program has any direct financial interest or indirect material interest in the Village of Lake Zurich, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the Village of Lake Zurich Firefighters' Pension Fund. Thus, there is no relationship existing that might affect our capacity to prepare and certify this actuarial report.

If there are any questions, concerns, or comments about any of the items contained in this report, please contact us at 630-620-0200.

Respectfully submitted,

Foster & Foster, Inc.

By:   
Jason L. Franken, FSA, EA, MAAA

By:   
Heidi E. Andorfer, FSA, EA, MAAA

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Enclosures

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## SUMMARY OF REPORT

The regular annual actuarial valuation of the Village of Lake Zurich Firefighters' Pension Fund, performed as of January 1, 2022, has been completed and the results are presented in this report. The contribution amounts set forth herein are applicable to the plan/fiscal year ended December 31, 2023.

The contribution requirements, compared with those set forth in the January 1, 2021 actuarial report, are as follows:

Valuation Date	1/1/2022	1/1/2021
Applicable to Fiscal Year Ending	<u>12/31/2023</u>	<u>12/31/2022</u>
Total Recommended Contribution <sup>1</sup>	\$3,010,699	\$2,990,618
% of Projected Annual Payroll	57.1%	56.0%
Member Contributions (Est.)	(498,281)	(504,802)
% of Projected Annual Payroll	(9.5%)	(9.5%)
Village Recommended Contribution	2,512,418	2,485,816
% of Projected Annual Payroll	47.6%	46.5%
PA 93-0689 Tax Levy <sup>1</sup>	125,621	124,291
% of Village Recommended Contribution	5.0%	5.0%

<sup>1</sup> PA 93-0689 Tax Levy calculation is based on an Illinois Department of Insurance assumption that the amount is 5.0% of the total required Village contribution.

As you can see, the Total Recommended Contribution shows an increase when compared to the results determined in the January 1, 2021 actuarial valuation report. The increase is attributable to assumption changes and the natural increase in the amortization payment due to the use of the payroll growth assumption. The increase was offset in part by favorable plan experience.

Plan experience was favorable overall on the basis of the plan's actuarial assumptions. The primary source of favorable experience was an investment return of 10.71% (Actuarial Asset Basis) which exceeded the 6.75% assumption. This gain was offset in part by a loss associated with an average salary increase of 4.89% which exceeded the 4.05% assumption.

## CHANGES SINCE PRIOR VALUATION

### Plan Changes Since Prior Valuation

There were no plan changes since the prior valuation.

### Actuarial Assumption/Method Changes Since Prior Valuation

Based on the results of the 2021 experience study performed for the Illinois Firefighters' Pension Investment Fund, the following assumption changes were made:

- Updated mortality, retirement, and termination rate tables.
- Reduced assumed payroll growth rate from 3.50% to 3.25%.

There were no method changes since the prior valuation.



## COMPARATIVE SUMMARY OF PRINCIPAL VALUATION RESULTS

	New Assump <u>1/1/2022</u>	Old Assump <u>1/1/2022</u>	<u>1/1/2021</u>
A. Participant Data			
Number Included			
Actives	50	50	51
Service Retirees	20	20	18
Beneficiaries	4	4	6
Disability Retirees	11	11	10
Terminated Vested	<u>4</u>	<u>4</u>	<u>2</u>
Total	89	89	87
Total Annual Payroll	\$5,270,025	\$5,270,025	\$5,338,995
Payroll Under Assumed Ret. Age	5,270,025	5,270,025	5,338,995
Annual Rate of Payments to:			
Service Retirees	1,598,503	1,598,503	1,376,546
Beneficiaries	47,447	47,447	47,995
Disability Retirees	643,610	643,610	564,408
Terminated Vested	9,946	9,946	9,946
B. Assets			
Actuarial Value	50,005,302	50,005,302	44,530,506
Market Value	54,708,093	54,708,093	48,430,770
C. Liabilities			
Present Value of Benefits			
Actives			
Retirement Benefits	35,304,528	34,462,472	35,821,673
Disability Benefits	3,161,413	3,286,071	3,184,285
Death Benefits	399,492	428,188	442,289
Vested Benefits	817,141	765,908	772,963
Service Retirees	29,779,089	29,577,508	25,781,541
Beneficiaries	535,074	537,741	544,500
Disability Retirees	11,379,675	11,403,909	9,947,840
Terminated Vested	<u>84,203</u>	<u>82,416</u>	<u>70,183</u>
Total	81,460,615	80,544,213	76,565,274

C. Liabilities - (Continued)	New Assump <u>1/1/2022</u>	Old Assump <u>1/1/2022</u>	<u>1/1/2021</u>
Present Value of Future Salaries	45,538,982	47,199,682	45,858,929
Present Value of Future Member Contributions	4,305,711	4,462,730	4,335,962
Normal Cost (Retirement)	943,527	930,788	944,543
Normal Cost (Disability)	209,734	215,122	228,195
Normal Cost (Death)	30,927	34,837	36,989
Normal Cost (Vesting)	<u>54,319</u>	<u>48,497</u>	<u>49,627</u>
Total Normal Cost	1,238,507	1,229,244	1,259,354
Present Value of Future Normal Costs	9,522,689	9,803,520	9,593,114
Accrued Liability (Retirement)	28,113,650	27,097,349	28,601,481
Accrued Liability (Disability)	1,494,535	1,528,546	1,490,247
Accrued Liability (Death)	130,071	118,666	130,225
Accrued Liability (Vesting)	421,629	394,558	406,143
Accrued Liability (Inactives)	<u>41,778,041</u>	<u>41,601,574</u>	<u>36,344,064</u>
Total Actuarial Accrued Liability	71,937,926	70,740,693	66,972,160
Unfunded Actuarial Accrued Liability (UAAL)	21,932,624	20,735,391	22,441,654
Funded Ratio (AVA / AL)	69.5%	70.7%	66.5%

	New Assump <u>1/1/2022</u>	Old Assump <u>1/1/2022</u>	<u>1/1/2021</u>
D. Actuarial Present Value of Accrued Benefits			
Vested Accrued Benefits			
Inactives	41,778,041	41,601,574	36,344,064
Actives	16,052,111	15,274,420	16,023,179
Member Contributions	<u>5,564,528</u>	<u>5,564,528</u>	<u>5,748,975</u>
Total	63,394,680	62,440,522	58,116,218
Non-vested Accrued Benefits	<u>502,268</u>	<u>435,875</u>	<u>1,460,414</u>
Total Present Value Accrued Benefits	63,896,948	62,876,397	59,576,632
Funded Ratio (MVA / PVAB)	85.6%	87.0%	81.3%
Increase (Decrease) in Present Value of Accrued Benefits Attributable to:			
Plan Amendments	0	0	
Assumption Changes	1,020,551	0	
Plan Experience	0	1,652,268	
Benefits Paid	0	(2,296,421)	
Interest	0	3,943,918	
Other	<u>0</u>	<u>0</u>	
Total	1,020,551	3,299,765	

Valuation Date	New Assump 1/1/2022	Old Assump 1/1/2022	1/1/2021
Applicable to Fiscal Year Ending	<u>12/31/2023</u>	<u>12/31/2023</u>	<u>12/31/2022</u>
E. Pension Cost			
Normal Cost <sup>1</sup>	\$1,322,106	\$1,312,218	\$1,344,360
% of Total Annual Payroll <sup>1</sup>	25.1	24.9	25.2
Administrative Expenses <sup>1</sup>	52,568	52,568	64,740
% of Total Annual Payroll <sup>1</sup>	1.0	1.0	1.2
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 19 years (as of 1/1/2022) <sup>1</sup>	1,636,025	1,516,928	1,581,518
% of Total Annual Payroll <sup>1</sup>	31.0	28.8	29.6
Total Recommended Contribution	3,010,699	2,881,714	2,990,618
% of Total Annual Payroll <sup>1</sup>	57.1	54.7	56.0
Expected Member Contributions <sup>1</sup>	(498,281)	(498,281)	(504,802)
% of Total Annual Payroll <sup>1</sup>	(9.5)	(9.5)	(9.5)
Expected Village Contribution	2,512,418	2,383,433	2,485,816
% of Total Annual Payroll <sup>1</sup>	47.6	45.2	46.5
F. Past Contributions			
Plan Years Ending:	<u>12/31/2021</u>		
Total Recommended Contribution	2,993,974		
Village Requirement	2,491,121		
Actual Contributions Made:			
Members (excluding buyback)	502,853		
Village	<u>2,498,348</u>		
Total	3,001,201		
G. Net Actuarial (Gain)/Loss	(1,506,585)		

<sup>1</sup> Contributions developed as of 1/1/2022 displayed above have been adjusted to account for assumed interest.

11. Schedule Illustrating the Amortization of the Total Unfunded Actuarial Accrued Liability as of:

<u>Year</u>	<u>Projected Unfunded Accrued Liability</u>
2022	21,932,624
2023	21,777,051
2024	21,557,806
2028	19,916,441
2033	15,555,925
2037	9,427,925
2041	0

I. (i) 5 Year Comparison of Actual and Assumed Salary Increases

		<u>Actual</u>	<u>Assumed</u>
Year Ended	12/31/2021	4.89%	4.05%
Year Ended	12/31/2020	4.78%	4.68%
Year Ended	12/31/2019	4.24%	4.83%
Year Ended	12/31/2018	4.57%	4.34%
Year Ended	12/31/2017	3.44%	3.50%

(ii) 5 Year Comparison of Investment Return on Actuarial Value

		<u>Actual MVA</u>	<u>Actual AVA</u>	<u>Assumed</u>
Year Ended	12/31/2021	11.50%	10.71%	6.75%
Year Ended	12/31/2020	14.49%	9.01%	6.75%
Year Ended	12/31/2019	18.94%	5.93%	6.75%
Year Ended	12/31/2018	-4.44%	4.11%	6.75%
Year Ended	12/31/2017	12.48%	6.21%	6.75%



## DEVELOPMENT OF JANUARY 1, 2022 AMORTIZATION PAYMENT

(1)	Unfunded Actuarial Accrued Liability as of January 1, 2021	\$22,441,654
(2)	Sponsor Normal Cost developed as of January 1, 2021	754,552
(3)	Expected administrative expenses for the year ended December 31, 2021	60,646
(4)	Expected interest on (1), (2) and (3)	1,567,791
(5)	Sponsor contributions to the System during the year ended December 31, 2021	2,498,348
(6)	Expected interest on (5)	84,319
(7)	Expected Unfunded Actuarial Accrued Liability as of December 31, 2021, (1)+(2)+(3)+(4)-(5)-(6)	22,241,976
(8)	Change to UAAL due to Assumption Change	1,197,233
(9)	Change to UAAL due to Actuarial (Gain)/Loss	(1,506,585)
(10)	Unfunded Accrued Liability as of January 1, 2022	21,932,624
(11)	UAAL Subject to Amortization (100% AAL less Actuarial Assets)	21,932,624

<u>Date</u> <u>Established</u>	<u>Years</u> <u>Remaining</u>	<u>1/1/2022</u> <u>Amount</u>	<u>Amortization</u> <u>Amount</u>
1/1/2022	19	21,932,624	1,532,576

## DETAILED ACTUARIAL (GAIN)/LOSS ANALYSIS

(1) Unfunded Actuarial Accrued Liability (UAAL) as of January 1, 2021	\$22,441,654
(2) Expected UAAL as of January 1, 2022	22,241,976
(3) Summary of Actuarial (Gain)/Loss, by component:	
Investment Return (Actuarial Asset Basis)	(1,776,827)
Salary Increases	449,464
Active Decrements	16,647
Inactive Mortality	92,263
Other	<u>(288,132)</u>
Change in UAAL due to (Gain)/Loss	(1,506,585)
Change to UAAL due to Assumption Change	<u>1,197,233</u>
(4) Actual UAAL as of January 1, 2022	\$21,932,624

## RECONCILIATION OF CHANGES IN CONTRIBUTION REQUIREMENT

(1) Contribution Determined as of January 1, 2021	\$ 2,485,816
(2) Summary of Contribution Impact by component:	
Change in Normal Cost	(32,142)
Change in Assumed Administrative Expense	(12,172)
Investment Return (Actuarial Asset Basis)	(129,986)
Salary Increases	32,881
New Entrants	-
Active Decrements	1,218
Inactive Mortality	6,750
Contributions (More) or Less than Recommended	(547)
Increase in Amortization Payment Due to Payroll Growth Assumption	55,353
Change in Expected Member Contributions	6,521
Assumption Change	128,985
Other	<u>(30,259)</u>
Total Change in Contribution	26,602
(3) Contribution Determined as of January 1, 2022	\$2,512,418

### STATUTORY MINIMUM REQUIRED CONTRIBUTION

Contribution requirements shown on this page are calculated according to statutory minimum funding requirements of the Illinois Pension Code. We do not believe this method is sufficient to fund future benefits: as such, we recommend funding according to the contributions developed in Section E of this report.

Valuation Date	New Assump 1/1/2022	Old Assump 1/1/2022	1/1/2021
Applicable to Fiscal Year Ending	<u>12/31/2023</u>	<u>12/31/2023</u>	<u>12/31/2022</u>
Actuarial Accrued Liability (PUC)	69,884,266	68,852,409	65,510,680
Actuarial Value of Assets	<u>50,005,302</u>	<u>50,005,302</u>	<u>44,530,506</u>
Unfunded Actuarial Accrued Liability (UAAL)	19,878,964	18,847,107	20,980,174
UAAL Subject to Amortization	12,890,537	11,961,866	14,429,106
Normal Cost <sup>1</sup>	\$1,542,405	\$1,511,564	\$1,519,861
% of Total Annual Payroll <sup>1</sup>	29.3	28.7	28.5
Administrative Expenses <sup>1</sup>	52,568	52,568	64,740
% of Total Annual Payroll <sup>1</sup>	1.0	1.0	1.2
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 19 years (as of 1/1/2022) <sup>1</sup>	961,546	875,088	1,016,855
% of Total Annual Payroll <sup>1</sup>	18.2	16.6	19.0
Total Required Contribution	2,556,519	2,439,220	2,601,456
% of Total Annual Payroll <sup>1</sup>	48.5	46.3	48.7
Expected Member Contributions <sup>1</sup>	(498,281)	(498,281)	(504,802)
% of Total Annual Payroll <sup>1</sup>	(9.5)	(9.5)	(9.5)
Expected Village Contribution	2,058,238	1,940,939	2,096,654
% of Total Annual Payroll <sup>1</sup>	39.0	36.8	39.2

#### Assumptions and Methods:

Actuarial Cost Method	Projected Unit Credit
Amortization Method	90% Funding by 2040

All other assumptions and methods are as described in the Actuarial Assumptions and Methods section.

<sup>1</sup> Contributions developed as of 1/1/2022 displayed above have been adjusted to account for assumed interest.

## PROJECTION OF BENEFIT PAYMENTS

Year	Payments for Current Actives	Payments for Current Inactives	Total Payments
2022	174,308	2,294,325	2,468,633
2023	454,309	2,359,668	2,813,977
2024	721,556	2,436,533	3,158,089
2025	973,883	2,513,902	3,487,785
2026	1,206,661	2,568,398	3,775,059
2027	1,423,837	2,623,196	4,047,033
2028	1,611,110	2,699,005	4,310,115
2029	1,787,844	2,807,772	4,595,616
2030	1,950,515	2,887,103	4,837,618
2031	2,096,940	2,948,491	5,045,431
2032	2,269,891	3,009,068	5,278,959
2033	2,437,574	3,068,843	5,506,417
2034	2,601,442	3,143,873	5,745,315
2035	2,770,863	3,201,629	5,972,492
2036	2,940,175	3,291,244	6,231,419
2037	3,129,845	3,345,894	6,475,739
2038	3,310,260	3,397,214	6,707,474
2039	3,494,503	3,444,529	6,939,032
2040	3,721,806	3,487,078	7,208,884
2041	3,945,154	3,523,998	7,469,152
2042	4,191,381	3,554,320	7,745,701
2043	4,410,887	3,577,009	7,987,896
2044	4,599,959	3,590,955	8,190,914
2045	4,799,356	3,594,995	8,394,351
2046	5,020,574	3,587,909	8,608,483
2047	5,249,599	3,568,457	8,818,056
2048	5,460,631	3,535,417	8,996,048
2049	5,628,806	3,487,535	9,116,341
2050	5,783,850	3,423,736	9,207,586
2051	5,909,806	3,343,159	9,252,965
2052	6,023,521	3,245,310	9,268,831
2053	6,108,084	3,130,098	9,238,182
2054	6,162,678	2,997,854	9,160,532
2055	6,193,527	2,849,370	9,042,897
2056	6,201,432	2,686,009	8,887,441
2057	6,185,220	2,509,595	8,694,815
2058	6,145,483	2,322,386	8,467,869
2059	6,080,971	2,127,208	8,208,179
2060	5,994,236	1,927,281	7,921,517
2061	5,886,537	1,726,123	7,612,660



## ACTUARIAL ASSUMPTIONS AND METHODS

Interest Rate	6.75% per year compounded annually, net of investment related expenses. This is supported by the target asset allocation of the trust and the expected long-term return by asset class.
Mortality Rate	<p><b>Active Lives:</b>  PubS-2010 Employee mortality, unadjusted, with generational improvements with the most recent projection scale (currently Scale MP-2021). 20% of active deaths are assumed to be in the line of duty.</p> <p><b>Inactive Lives:</b>  PubS-2010 Healthy Retiree mortality, adjusted by a factor of 1.081 for male retirees and unadjusted for female retirees, with generational improvements with the most recent projection scale (currently Scale MP-2021).</p> <p><b>Beneficiaries:</b>  PubS-2010 Survivor mortality, unadjusted for male beneficiaries and adjusted by a factor of 1.098 for female beneficiaries, with generational improvements with the most recent projection scale (currently Scale MP-2021).</p> <p><b>Disabled Lives:</b>  PubS-2010 Disabled mortality, adjusted by a factor of 1.178 for male disabled members and unadjusted for female disabled members, with generational improvements with the most recent projection scale (currently Scale MP-2021).</p> <p>The mortality assumptions sufficiently accommodate anticipated future mortality improvements.</p>
Retirement Age	See table later in this section. This is based on a 2021 experience study performed for the Illinois Firefighters' Pension Investment Fund.
Disability Rate	See table later in this section. 80% of the disabilities are assumed to be in the line of duty. This is based on a 2021 experience study performed for the Illinois Firefighters' Pension Investment Fund.
Termination Rate	See table later in this section. This is based on a 2021 experience study performed for the Illinois Firefighters' Pension Investment Fund.
Inflation	2.50%.

Cost-of-Living Adjustment      Tier 1: 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55.

Tier 2: 1.25% per year after the later of attainment of age 60 or first anniversary of retirement.

Salary Increases      Graded schedule based on service. This is determined based on pay information from contracts between the Village and plan membership for years 2008 to 2020.

Salary Scale	
Service	Rate
0	18.00%
1-4	9.50%
5-7	5.50%
8	2.50%

Marital Status      80% of Members are assumed to be married.

Spouse's Age      Males are assumed to be three years older than females.

Funding Method      Entry Age Normal Cost Method.

Actuarial Asset Method      Investment gains and losses are smoothed over a 5-year period. In the first year, 20% of the gain or loss is recognized. In the second year 40%, in the third year 60%, in the fourth year 80%, and in the fifth year 100% of the gain or loss is recognized. The actuarial investment gain or loss is defined as the actual return on investments minus the actuarial assumed investment return. Actuarial Assets shall not be less than 80% nor greater than 120% of the Market Value of Assets.

Funding Policy Amortization Method      The UAAL is amortized according to a Level Percentage of Payroll method over a period ending in 2041. The initial amortization amount is 100% of the Accrued Liability less the Actuarial Value of Assets.

Payroll Growth      3.25% per year.

Administrative Expenses      Expenses paid out of the fund other than investment-related expenses are assumed to be equal to those paid in the previous year.

Decrement Tables

% Terminating During the Year		% Becoming Disabled During the Year		% Retiring During the Year (Tier 1)		% Retiring During the Year (Tier 2)	
Age	Rate	Age	Rate	Age	Rate	Age	Rate
20	10.00%	20	0.010%	50-51	12%	50-54	3%
25	8.00%	25	0.016%	52-53	15%	55	30%
30	4.00%	30	0.068%	54-55	20%	56-59	20%
35	2.50%	35	0.220%	56-59	20%	60-62	25%
40	1.20%	40	0.420%	60-62	25%	63-64	33%
45+	1.00%	45	0.650%	63-64	33%	65-69	50%
		50	0.900%	65-69	50%	70+	100%
		55	1.240%	70+	100%		
		60	1.580%				

## GLOSSARY

Total Annual Payroll is the projected annual rate of pay for the fiscal year following the valuation date of all covered members.

Present Value of Benefits is the single sum value on the valuation date of all future benefits to be paid to current Members, Retirees, Beneficiaries, Disability Retirees and Vested Terminations.

Normal (Current Year's) Cost is the current year's cost for benefits yet to be funded.

Unfunded Accrued Liability is a liability which arises when a pension plan is initially established or improved and such establishment or improvement is applicable to all years of past service.

Total Recommended Contribution is equal to the Normal Cost plus an amount sufficient to amortize the Unfunded Accrued Liability over a period ending in 2041. The recommended amount is adjusted for interest according to the timing of contributions during the year.

Entry Age Normal Cost Method - Under this method, the normal cost is the sum of the individual normal costs for all active participants. For an active participant, the normal cost is the participant's normal cost accrual rate, multiplied by the participant's current compensation.

(a) The normal cost accrual rate equals:

(i) the present value of future benefits for the participant, determined as of the participant's entry age, divided by

(ii) the present value of the compensation expected to be paid to the participant for each year of the participant's anticipated future service, determined as of the participant's entry age.

(b) In calculating the present value of future compensation, the salary scale is applied both retrospectively and prospectively to estimate compensation in years prior to and subsequent to the valuation year based on the compensation used for the valuation.

(c) The accrued liability is the sum of the individual accrued liabilities for all participants and beneficiaries. A participant's accrued liability equals the present value, at the participant's attained age, of future benefits less the present value at the participant's attained age of the individual normal costs payable in the future. A beneficiary's accrued liability equals the present value, at the beneficiary's attained age, of future benefits. The unfunded accrued liability equals the total accrued liability less the actuarial value of assets.

(d) Under this method, the entry age used for each active participant is the participant's age at the time he or she would have commenced participation if the plan had always been in existence under current terms, or the age as of which he or she first earns service credits for purposes of benefit accrual under the current terms of the plan.

## DISCUSSION OF RISK

ASOP No. 51, Assessment and Disclosure of Risk Associated with Measuring Pension Obligations and Determining Pension Plan Contributions, states that the actuary should identify risks that, in the actuary's professional judgment, may reasonably be anticipated to significantly affect the plan's future financial condition.

Throughout this report, actuarial results are determined under various assumption scenarios. These results are based on the premise that all future plan experience will align with the plan's actuarial assumptions; however, there is no guarantee that actual plan experience will align with the plan's assumptions. It is possible that actual plan experience will differ from anticipated experience in an unfavorable manner that will negatively impact the plan's funded position.

Below are examples of ways in which plan experience can deviate from assumptions and the potential impact of that deviation. Typically, this results in an actuarial gain or loss representing the current-year financial impact on the plan's unfunded liability of the experience differing from assumptions; this gain or loss is amortized over a period of time determined by the plan's amortization method. When assumptions are selected that adequately reflect plan experience, gains and losses typically offset one another in the long term, resulting in a relatively low impact on the plan's contribution requirements associated with plan experience. When assumptions are too optimistic, losses can accumulate over time and the plan's amortization payment could potentially grow to an unmanageable level.

- Investment Return: When the rate of return on the Actuarial Value of Assets falls short of the assumption, this produces a loss representing assumed investment earnings that were not realized. Further, it is unlikely that the plan will experience a scenario that matches the assumed return in each year as capital markets can be volatile from year to year. Therefore, contribution amounts can vary in the future.
- Salary Increases: When a plan participant experiences a salary increase that was greater than assumed, this produces a loss representing the cost of an increase in anticipated plan benefits for the participant as compared to the previous year. The total gain or loss associated with salary increases for the plan is the sum of salary gains and losses for all active participants.
- Payroll Growth: The plan's payroll growth assumption, if one is used, causes a predictable annual increase in the plan's amortization payment in order to produce an amortization payment that remains constant as a percentage of payroll if all assumptions are realized. If payroll does not increase according to the plan's payroll growth assumption, the plan's amortization payment can increase significantly as a percentage of payroll even if all assumptions other than the payroll growth assumption are realized.
- Demographic Assumptions: Actuarial results take into account various potential events that could happen to a plan participant, such as retirement, termination, disability, and death. Each of these potential events is assigned a liability based on the likelihood of the event and the financial consequence of the event for the plan. Accordingly, actuarial liabilities reflect a blend of financial consequences associated with various possible outcomes (such as retirement at one of various possible ages). Once the outcome is known (e.g. the participant retires) the liability is adjusted to reflect the known outcome. This adjustment produces a gain or loss depending on whether the outcome was more or less favorable than other outcomes that could have occurred.
- Contribution Risk: This risk results from the potential that actual employer contributions may deviate from actuarially determined contributions, which are determined in accordance with the



Board's funding policy. The funding policy is intended to result in contribution requirements that if paid when due, will result in a reasonable expectation that assets will accumulate to be sufficient to pay plan benefits when due. Contribution deficits, particularly large deficits and those that occur repeatedly, increase future contribution requirements and put the plan at risk for not being able to pay plan benefits when due.

#### Impact of Plan Maturity on Risk

For newer pension plans, most of the participants and associated liabilities are related to active members who have not yet reached retirement age. As pension plans continue in operation and active members reach retirement ages, liabilities begin to shift from being primarily related to active members to being shared amongst active and retired members. Plan maturity is a measure of the extent to which this shift has occurred. It is important to understand that plan maturity can have an impact on risk tolerance and the overall risk characteristics of the plan. For example, plans with a large amount of retired liability do not have as long of a time horizon to recover from losses (such as losses on investments due to lower than expected investment returns) as plans where the majority of the liability is attributable to active members. For this reason, less tolerance for investment risk may be warranted for highly mature plans with a substantial inactive liability. Similarly, mature plans paying substantial retirement benefits resulting in a small positive or net negative cash flow can be more sensitive to near term investment volatility, particularly if the size of the fund is shrinking, which can result in less assets being available for investment in the market.

To assist with determining the maturity of the plan, we have provided some relevant metrics in the table following titled "Plan Maturity Measures and Other Risk Metrics". Highlights of this information are discussed below:

- The Support Ratio, determined as the ratio of active to inactive members, has decreased from 160.6% on January 1, 2019 to 128.2% on January 1, 2022, indicating that the plan has been rapidly maturing.
- The Accrued Liability Ratio, determined as the ratio of the Inactive Accrued Liability, which is the liability associated with members who are no longer employed but are due a benefit from the plan, to the Total Accrued Liability, is 58.1%. With a plan of this maturity, losses due to lower than expected investment returns or demographic factors can be made up over a longer time horizon than would be needed for a more mature plan.
- The Funded Ratio, determined as the ratio of the Actuarial Value of Assets to the Total Accrued Liability, has increased from 62.6% on January 1, 2019 to 69.5% on January 1, 2022, due mainly to strong investment returns and consistent funding of the recommended contribution.
- The Net Cash Flow Ratio, determined as the ratio of the Net Cash Flow (contributions minus benefit payments and administrative expenses) to the Market Value of Assets, decreased from 4.1% on January 1, 2019 to 1.2% on January 1, 2022. The current Net Cash Flow Ratio of 1.2% indicates that contributions are generally covering the plan's benefit payments and administrative expenses.

It is important to note that the actuary has identified the risks above as the most significant risks based on the characteristics of the plan and the nature of the project, however, it is not an exhaustive list of potential risks that could be considered. Additional advanced modeling, as well as the identification of additional risks, can be provided at the request of the audience addressed on page 2 of this report.

## PLAN MATURITY MEASURES AND OTHER RISK METRICS

	<u>1/1/2022</u>	<u>1/1/2021</u>	<u>1/1/2020</u>	<u>1/1/2019</u>
<u>Support Ratio</u>				
Total Actives	50	51	53	53
Total Inactives	39	36	34	33
Actives / Inactives	128.2%	141.7%	155.9%	160.6%
<u>Asset Volatility Ratio</u>				
Market Value of Assets (MVA)	54,708,093	48,430,770	41,507,749	34,184,604
Total Annual Payroll	5,270,025	5,338,995	5,324,271	5,214,441
MVA / Total Annual Payroll	1,038.1%	907.1%	779.6%	655.6%
<u>Accrued Liability (AL) Ratio</u>				
Inactive Accrued Liability	41,778,041	36,344,064	32,695,601	28,795,135
Total Accrued Liability	71,937,926	66,972,160	62,926,708	59,187,569
Inactive AL / Total AL	58.1%	54.3%	52.0%	48.7%
<u>Funded Ratio</u>				
Actuarial Value of Assets (AVA)	50,005,302	44,530,506	40,040,979	37,047,130
Total Accrued Liability	71,937,926	66,972,160	62,926,708	59,187,569
AVA / Total Accrued Liability	69.5%	66.5%	63.6%	62.6%
<u>Net Cash Flow Ratio</u>				
Net Cash Flow <sup>1</sup>	669,562	845,726	775,383	1,393,883
Market Value of Assets (MVA)	54,708,093	48,430,770	41,507,749	34,184,604
Ratio	1.2%	1.7%	1.9%	4.1%

<sup>1</sup> Determined as total contributions minus benefit payments and administrative expenses.

STATEMENT OF FIDUCIARY NET POSITION  
December 31, 2021

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Money Market	131,087
Cash and Cash Equivalents	6,679
Total Cash and Equivalents	137,766
Receivables:	
Prepays	2,820
Accrued Past Due Interest	109,227
Total Receivable	112,047
Investments:	
Fixed Income	20,380,778
Insurance Company Contracts	257,789
Mutual Funds	33,823,075
Total Investments	54,461,642
Total Assets	54,711,455
<u>LIABILITIES</u>	
Liabilities:	
Payable:	
Expenses	3,362
Total Liabilities	3,362
Net Assets:	
Active and Retired Members' Equity	54,708,093
NET POSITION RESTRICTED FOR PENSIONS	54,708,093
TOTAL LIABILITIES AND NET ASSETS	54,711,455

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION  
FOR THE YEAR ENDED December 31, 2021  
Market Value Basis

ADDITIONS

Contributions:

Member	502,853
Miscellaneous Member Revenue	14,026
Village	2,498,348

Total Contributions	3,015,227
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Investment Income:

Net Increase in Fair Value of Investments	3,226,679
Interest & Dividends	2,489,300
Less Investment Expense <sup>1</sup>	(108,218)

Net Investment Income	5,607,761
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Total Additions	8,622,988
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DEDUCTIONS

Distributions to Members:

Benefit Payments	2,226,260
Refund of Contributions/Transfers	70,161

Total Distributions	2,296,421
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Administrative Expenses	49,244
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Total Deductions	2,345,665
------------------	-----------

Net Increase in Net Position	6,277,323
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NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year	48,430,770
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End of the Year	54,708,093
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<sup>1</sup> Investment Related expenses include investment advisory, custodial and performance monitoring fees.

## ACTUARIAL ASSET VALUATION

December 31, 2021

Development of Actuarial Value of Assets

Market Value of Assets, 12/31/2021	54,708,093
(Gains)/Losses Not Yet Recognized	(4,702,791)
Actuarial Value of Assets, 12/31/2021	50,005,302
12/31/2021 Limited Actuarial Assets:	50,005,302

Development of Investment Gain/Loss

Market Value of Assets, 12/31/2020	48,430,770
Contributions Less Benefit Payments & Administrative Expenses	669,562
Expected Investment Earnings <sup>1</sup>	3,291,675
Actual Net Investment Earnings	5,607,761
2021 Actuarial Investment Gain/(Loss)	2,316,086

<sup>1</sup> Expected Investment Earnings = 6.75% x (48,430,770 + 0.5 x 669,562)Gains/(Losses) Not Yet Recognized

Plan Year Ending	Gain/(Loss)	Amounts Not Yet Recognized by Valuation Year				
		2021	2022	2023	2024	2025
12/31/2018	(3,919,588)	(783,918)	0	0	0	0
12/31/2019	4,214,132	1,685,653	842,826	0	0	0
12/31/2020	3,246,979	1,948,187	1,298,792	649,396	0	0
12/31/2021	2,316,086	1,852,869	1,389,652	926,434	463,217	0
Total		4,702,791	3,531,270	1,575,830	463,217	0

Development of Asset Returns

(A) 12/31/2020 Actuarial Assets:	44,530,506
(I) Net Investment Income:	
1. Interest and Dividends	2,489,300
2. Realized Gains (Losses)	0
3. Change in Actuarial Value	2,424,152
4. Investment Expenses	(108,218)
Total	4,805,234
(B) 12/31/2021 Actuarial Assets:	50,005,302
Actuarial Asset Rate of Return = $(2 \times I) / (A + B - I)$ :	10.71%
Market Value of Assets Rate of Return:	11.50%
Actuarial Gain/(Loss) due to Investment Return (Actuarial Asset Basis)	1,776,827

## CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

December 31, 2021  
Actuarial Asset Basis

## INCOME

Contributions:		
Member	502,853	
Miscellaneous Member Revenue	14,026	
Village	2,498,348	
Total Contributions		3,015,227
Earnings from Investments		
Interest & Dividends	2,489,300	
Change in Actuarial Value	2,424,152	
Total Earnings and Investment Gains		4,913,452
	EXPENSES	
Administrative Expenses:		
Investment Related <sup>1</sup>	108,218	
Other	49,244	
Total Administrative Expenses		157,462
Distributions to Members:		
Benefit Payments	2,226,260	
Refund of Contributions/Transfers	70,161	
Total Distributions		2,296,421
Change in Net Assets for the Year		5,474,796
Net Assets Beginning of the Year		44,530,506
Net Assets End of the Year <sup>2</sup>		50,005,302

<sup>1</sup> Investment Related expenses include investment advisory, custodial and performance monitoring fees.<sup>2</sup> Net Assets may be limited for actuarial consideration.



## STATISTICAL DATA

	<u>1/1/2022</u>	<u>1/1/2021</u>	<u>1/1/2020</u>	<u>1/1/2019</u>
<u>Actives - Tier 1</u>				
Number	27	31	33	36
Average Current Age	51.5	51.3	50.6	49.9
Average Age at Employment	29.1	29.7	29.5	29.4
Average Past Service	22.4	21.6	21.1	20.5
Average Annual Salary	\$115,860	\$112,849	\$109,009	\$104,981
<u>Actives - Tier 2</u>				
Number	23	20	20	17
Average Current Age	34.6	34.0	33.0	33.3
Average Age at Employment	28.7	28.3	28.3	28.9
Average Past Service	5.9	5.7	4.7	4.4
Average Annual Salary	\$93,122	\$92,034	\$86,349	\$84,419
<u>Service Retirees</u>				
Number	20	18	16	13
Average Current Age	57.8	56.6	55.7	55.3
Average Annual Benefit	\$79,925	\$76,475	\$73,699	\$71,225
<u>Beneficiaries</u>				
Number	4	6	6	8
Average Current Age	26.1	22.7	21.7	19.9
Average Annual Benefit	\$11,862	\$7,999	\$7,992	\$6,058
<u>Disability Retirees</u>				
Number	11	10	10	9
Average Current Age	55.4	54.7	53.7	52.6
Average Annual Benefit	\$58,510	\$56,441	\$55,160	\$56,452
<u>Terminated Vested</u>				
Number	4	2	2	3
Average Current Age	32.2	36.8	35.8	39.7
Average Annual Benefit <sup>1</sup>	\$9,946	\$9,946	\$9,946	\$46,892

<sup>1</sup> Average Annual Benefit for Terminated Vested members reflects the benefit for members entitled to a future annual benefit from the plan.

## AGE AND SERVICE DISTRIBUTION

## PAST SERVICE

AGE	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30+	Total
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	0	0	2	1	0	0	0	0	0	0	0	3
30 - 34	2	0	0	4	0	2	0	0	0	0	0	8
35 - 39	1	0	0	0	0	6	2	0	0	0	0	9
40 - 44	0	0	0	0	0	2	2	3	0	0	0	7
45 - 49	0	0	0	0	0	0	0	0	3	0	0	3
50 - 54	0	0	0	0	0	1	1	1	3	5	1	12
55 - 59	0	0	0	0	0	0	0	0	3	2	1	6
60 - 64	0	0	0	0	0	0	0	0	0	2	0	2
65+	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	0	2	5	0	11	5	4	9	9	2	50

## VALUATION PARTICIPANT RECONCILIATION

## 1. Active lives

a. Number in prior valuation 1/1/2021	51
b. Terminations	
i. Vested (partial or full) with deferred benefits	0
ii. Non-vested or full lump sum distribution received	(1)
iii. Transferred service to other fund	0
c. Deaths	
i. Beneficiary receiving benefits	0
ii. No future benefits payable	0
d. Disabled	(1)
e. Retired	(2)
f. Continuing participants	47
g. New entrants	3
h. Total active life participants in valuation	50

## 2. Non-Active lives (including beneficiaries receiving benefits)

	Service Retirees, Vested Receiving <u>Benefits</u>	Receiving Death <u>Benefits</u>	Receiving Disability <u>Benefits</u>	Vested Deferred	<u>Total</u>
a. Number prior valuation	18	6	10	2	36
Retired	2	0	0	0	2
Vested Deferred	0	0	0	0	0
Death, With Survivor	0	0	0	0	0
Death, No Survivor	0	0	0	0	0
Disabled	0	0	1	0	1
Refund of Contributions	0	0	0	0	0
Rehires	0	0	0	0	0
Expired Annuities	0	(2)	0	0	(2)
Data Corrections	0	0	0	0	0
Hired/Termed in Same Year	0	0	0	2	2
b. Number current valuation	20	4	11	4	39

## SUMMARY OF CURRENT PLAN

Article 4 Pension Fund

The Plan is established and administered as prescribed by "Article 4. Firefighters' Pension Fund - Municipalities 500,000 and Under" of the Illinois Pension Code.

Plan Administration

The Plan is a single employer defined benefit pension plan administered by a Board of Trustees comprised of:

- a.) Two members appointed by the Municipality,
- b.) Two active Members of the Fire Department elected by the Membership, and
- c.) One retired Member of the Fire Department elected by the Membership.

Credited Service

Years and fractional parts of years of service (except as noted below) as a sworn Firefighter employed by the Municipality.

Salary

Annual salary, including longevity, attached to firefighter's rank, as established by the municipality appropriation ordinance, excluding overtime pay, bonus pay and holiday pay except for the base 8 hours of the 10 pensionable holidays which is included.

For Tier 2 participants, the salary is capped at a rate of \$106,800 as of 2011, indexed annually at a rate of CPI-U, but not to exceed 3.00%.

Normal Retirement

## Date

**Tier 1:** Age 50 and 20 years of Credited Service.

**Tier 2:** Age 55 and 10 years of Credited Service.

## Benefit

**Tier 1:** 50% of annual salary attached to rank on last day of service plus 2.50% of annual salary for each year of service over 20 years, up to a maximum of 75% of salary. The minimum monthly benefit is \$1,159.27 per month.

**Tier 2:** 2.50% per year of service times the average salary for the 48 consecutive months of service within the last 60 months of service in which the total salary was the highest prior to retirement times the number of years of service, up to a maximum of 75% of average salary. The minimum monthly benefit is \$1,159.27 per month.

## Form of Benefit

**Tier 1:** For married retirees, an annuity payable for the life of the Member; upon the death of the member, 100% of the Member's benefit payable to the spouse until death. For unmarried retirees, the normal form is a Single Life Annuity.

**Tier 2:** Same as above, but with 66 2/3% of benefit continued to spouse.

Early Retirement

Date	<p><b>Tier 1:</b> Age 60 and 10 years of Credited Service.</p> <p><b>Tier 2:</b> Age 50 and 10 years of Credited Service.</p>
Benefit	<p><b>Tier 1:</b> 1.50% plus 0.10% for each year of service in excess of 10 years, times salary x service (complete years).</p> <p><b>Tier 2:</b> Normal Retirement Benefit, reduced 6.00% for each year before age 55, with no minimum benefit.</p>
Form of Benefit	Same as Normal Retirement.

Disability Benefit

Eligibility	Total and permanent as determined by the Board of Trustees. Seven years of service required for non-service connected disability.
Benefit Amount	<p>A maximum of:</p> <ul style="list-style-type: none"> <li>a.) 65% of salary attached to the rank held by Member on last day of service, and;</li> <li>b.) The monthly retirement pension that the Member is entitled to receive if he or she retired immediately.</li> </ul> <p>For non-service connected disabilities, a benefit of 50% of salary attached to rank held by Member on last day of service.</p>

Cost-of-Living Adjustment

<b>Tier 1:</b>	<p><i>Retirees:</i> An annual increase equal to 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55.</p> <p><i>Disabled Retirees:</i> An annual increase equal to 3.00% per year of the original benefit amount beginning at age 60. Those that become disabled prior to age 60 receive an increase of 3.00% of the original benefit amount for each year since benefit commencement upon reaching age 60.</p>
<b>Tier 2:</b>	An annual increase each January 1 equal to 3.00% per year or one-half of the annual unadjusted percentage increase in the consumer price index-u for the 12 months ending with the September preceding each November 1, whichever is less, of the original pension after the attainment of age 60 or first anniversary of pension start date whichever is later.

Pre-Retirement Death Benefit

Service Incurred	100% of salary attached to rank held by Member on last day of service.
Non-Service Incurred	A maximum of: <ul style="list-style-type: none"> <li>a.) 54% of salary attached to the rank held by Member on last day of service, and;</li> <li>b.) The monthly retirement pension earned by the deceased Member at the time of death, regardless of whether death occurs before or after age 50.</li> </ul>

Vesting (Termination)

Vesting Service Requirement	10 years.
Non-Vested Benefit	Refund of Member Contributions.
Vested Benefit	Either the termination benefit, payable upon reaching age 60 (55 for Tier 2), provided contributions are not withdrawn, or a refund of member contributions.
Termination Benefit	Based on the monthly salary attached to the Member's rank at separation from service and equals: <p><b>Tier 1:</b> 1.50% plus 0.10% for each year of service in excess of 10 years, times salary x service (based on complete years).</p> <p><b>Tier 2:</b> 2.50% of 8-year final average salary times creditable service.</p>

Contributions

Employee	9.455% of Salary.
Municipality	Remaining amount necessary for payment of Normal (current year's) Cost and amortization of the accrued past service liability.



GASB 67/68

## SUMMARY

Valuation Date	1/1/2022	1/1/2021
Measurement Date	12/31/2021	12/31/2020
Plan Membership:		
Inactives Currently Receiving Benefits	35	34
Inactives Not Yet Receiving Benefits	4	2
Active Plan Members	<u>50</u>	<u>51</u>
Total	89	87
Covered Payroll	\$ 5,270,025	\$ 5,338,995
Net Pension Liability		
Total Pension Liability	\$ 71,465,253	\$ 66,518,565
Plan Fiduciary Net Position	<u>54,708,093</u>	<u>48,430,771</u>
Net Pension Liability	\$ 16,757,160	\$ 18,087,794
Plan Fiduciary Net Position		
As a Percentage of Total Pension Liability	76.55%	72.81%
Net Pension Liability		
As a Percentage of Covered Payroll	317.97%	338.79%
Total Pension Expense	\$ 950,728	\$ 2,124,147
Development of Single Discount Rate		
Single Discount Rate	6.75%	6.75%
Long-Term Expected Rate of Return	6.75%	6.75%
High-quality Municipal Bond Rate	2.25%	1.93%
Number of Years Future Benefit Payments		
Are Expected to be Paid	99	99

GASB 67/68

SCHEDULE OF CHANGES IN NET PENSION LIABILITY  
PLAN AND VILLAGE REPORTING

GASB 68 Reporting Period Ending	12/31/2021	12/31/2020
Measurement Date	12/31/2021	12/31/2020
Total Pension Liability		
Service Cost	1,288,974	1,325,498
Interest	4,499,505	4,243,326
Changes of Benefit Terms	-	-
Differences Between Expected and Actual Experience	276,813	362,654
Changes of Assumptions	1,163,791	-
Contributions - Buy Back	14,026	-
Benefit Payments, Including Refunds of Employee Contributions	(2,296,421)	(1,902,974)
Net Change in Total Pension Liability	4,946,688	4,028,504
Total Pension Liability - Beginning	66,518,565	62,490,061
Total Pension Liability - Ending (a)	\$ 71,465,253	\$ 66,518,565
Plan Fiduciary Net Position		
Contributions - Employer	2,498,348	2,300,705
Contributions - Employee	502,853	508,641
Contributions - Buy Back	14,026	-
Net Investment Income	5,607,760	6,077,296
Benefit Payments, Including Refunds of Employee Contributions	(2,296,421)	(1,902,974)
Administrative Expense	(49,244)	(60,646)
Net Change in Plan Fiduciary Net Position	6,277,322	6,923,022
Plan Fiduciary Net Position - Beginning	48,430,770	41,507,749
Adjustment to beginning of year	1	-
Plan Fiduciary Net Position - Ending (b)	\$ 54,708,093	\$ 48,430,771
Net Pension Liability - Ending (a) - (b)	\$ 16,757,160	\$ 18,087,794
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	76.55%	72.81%
Covered Payroll	\$ 5,270,025	\$ 5,338,995
Net Pension Liability as a Percentage of Covered Payroll	317.97%	338.79%

GASB 68

STATEMENT OF CHANGES IN NET PENSION LIABILITY  
VILLAGE REPORTING

	Increase (Decrease)		
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability
	(a)	(b)	(a)-(b)
Balances at December 31, 2020	\$ 66,518,565	\$ 48,430,770	\$ 18,087,795
Adjustment to beginning of year	-	1	(1)
Changes for a Year:			
Service Cost	1,288,974	-	1,288,974
Interest	4,499,505	-	4,499,505
Differences Between Expected and Actual Experience	276,813	-	276,813
Changes of Assumptions	1,163,791	-	1,163,791
Changes of Benefit Terms	-	-	-
Contributions - Employer	-	2,498,348	(2,498,348)
Contributions - Employee	-	502,853	(502,853)
Contributions - Buy Back	14,026	14,026	-
Net Investment Income	-	5,607,760	(5,607,760)
Benefit Payments, Including Refunds of Employee Contributions	(2,296,421)	(2,296,421)	-
Administrative Expense	-	(49,244)	49,244
Net Changes	4,946,688	6,277,322	(1,330,634)
Balances at December 31, 2021	\$ 71,465,253	\$ 54,708,093	\$ 16,757,160

*Sensitivity of Net Pension Liability to changes in the Discount Rate:*

	Current Discount		
	1% Decrease	Rate	1% Increase
	5.75%	6.75%	7.75%
Sponsor's Net Pension Liability	\$ 28,037,140	\$ 16,757,160	\$ 7,669,422

*Pension Plan Fiduciary Net Position*

Detailed information about the Pension Plan's Fiduciary Net Position is available in a separately issued Plan financial report.

GASB 68

PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED INFLOWS OF  
RESOURCES RELATED TO PENSIONS  
YEAR-END DECEMBER 31, 2021

For the year ended December 31, 2021, the Sponsor will recognize a pension expense of \$950,728.  
On December 31, 2021, the Sponsor reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between actual and expected experience	1,623,059	956,452
Changes of assumptions	1,430,628	653,960
Net difference between projected and actual earnings on pension plan investments	0	4,702,790
Total	\$3,053,687	\$6,313,202

Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year-ended December 31:	
2022	(\$1,160,405)
2023	(\$1,944,323)
2024	(\$455,747)
2025	(\$162,450)
2026	\$257,609
Thereafter	\$205,801

GASB 68

COMPONENTS OF PENSION EXPENSE  
YEAR-END DECEMBER 31, 2021

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning Balance	\$ 18,087,795	\$ 7,883,717	\$ 4,407,216	
Total Pension Liability Factors:				
Service Cost	1,288,974	-	-	1,288,974
Interest	4,499,505	-	-	4,499,505
Changes in Benefit Terms	-	-	-	-
Contributions - Buy Back	14,026			14,026
Differences Between Expected and Actual Experience With Regard to Economic or Demographic Assumptions	276,813	-	276,813	-
Current Year Amortization	-	(478,226)	(522,647)	44,421
Changes in Assumptions About Future Economic or Demographic Factors or Other Inputs	1,163,791	-	1,163,791	-
Current Year Amortization	-	(326,980)	(466,795)	139,815
Benefit Payments, Including Refunds of Employee Contributions	(2,296,421)	-	-	-
Net Change	4,946,688	(805,206)	451,162	5,986,741
Plan Fiduciary Net Position:				
Contributions - Employer	2,498,348	-	-	-
Contributions - Employee	502,853	-	-	(502,853)
Contributions - Buy Back	14,026			(14,026)
Projected Net Investment Income	3,291,675	-	-	(3,291,675)
Difference Between Projected and Actual Earnings on Pension Plan Investments	2,316,085	2,316,085	-	-
Current Year Amortization	-	(2,297,476)	(1,020,773)	(1,276,703)
Benefit Payments, Including Refunds of Employee Contributions	(2,296,421)	-	-	-
Administrative Expenses	(49,244)	-	-	49,244
Net Change	6,277,322	18,609	(1,020,773)	(5,036,013)
Adjustment to beginning of year	1	-	-	-
Ending Balance	\$ 16,757,160	\$ 7,097,120	\$ 3,837,605	\$ 950,728

GASB 68

## AMORTIZATION SCHEDULE – EXPERIENCE

Increase (Decrease) in Pension Expense Arising from the Recognition of the  
Effects of Differences between Expected and Actual Experience

Year Base Established	Differences Between Expected and Actual Experience	Recognition Period (Years)	2021	2022	2023	2024	2025	Thereafter
2021	\$ 276,813	7	\$ 39,543	\$ 39,545	\$ 39,545	\$ 39,545	\$ 39,545	\$ 79,090
2020	\$ 362,654	7	\$ 51,808	\$ 51,808	\$ 51,808	\$ 51,808	\$ 51,808	\$ 51,808
2019	\$ 302,107	7	\$ 43,158	\$ 43,158	\$ 43,158	\$ 43,158	\$ 43,158	\$ -
2018	\$ 1,482,142	7	\$ 211,735	\$ 211,735	\$ 211,735	\$ 211,735	\$ -	\$ -
2017	\$ 1,116,190	7	\$ 159,456	\$ 159,456	\$ 159,456	\$ -	\$ -	\$ -
CY2016 <sup>1</sup>	\$ (3,347,579)	7	\$ (478,226)	\$ (478,226)	\$ (478,226)	\$ -	\$ -	\$ -
FY2016 <sup>1</sup>	\$ 305,055	4.8	\$ 16,947	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			44,421	27,476	27,476	346,246	134,511	130,898

<sup>1</sup> Beginning with the December 31, 2016 disclosure, the plan year changed from fiscal years ending on each April 30th to calendar years.

Villanova University Employees' Pension Fund

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# AMORTIZATION SCHEDULE – CHANGES OF ASSUMPTIONS

Increase (Decrease) in Pension Expense Arising from the Recognition of the  
Effects of Changes of Assumptions

Year Base Established	Effects of Changes in Assumptions	Recognition Period (Years)	2021	2022	2023	2024	2025	Thereafter
2021	\$ 1,163,791	7	\$ 166,255	\$ 166,256	\$ 166,256	\$ 166,256	\$ 166,256	\$ 332,512
2018	\$ 1,010,548	7	\$ 144,364	\$ 144,364	\$ 144,364	\$ 144,364	\$ -	\$ -
2017	\$ (2,288,858)	7	\$ (326,980)	\$ (326,980)	\$ (326,980)	\$ -	\$ -	\$ -
FY 2016 <sup>1</sup>	\$ 2,811,180	4.8	\$ 156,176	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ 139,815	\$ (16,360)	\$ (16,360)	\$ 310,620	\$ 166,256	\$ 332,512

<sup>1</sup> Beginning with the December 31, 2016 disclosure, the plan year changed from fiscal years ending on each April 30th to calendar years.

Valhalla of Lake Zurich Firefighters' Pension Fund

FOSTER & FOSTER LLP

CASB 68

# AMORTIZATION SCHEDULE – INVESTMENTS

Increase (Decrease) in Pension Expense Arising from the Recognition of the Differences Between Projected and Actual Earnings on Pension Plan Investments

Year Base Established	Differences Between Projected and Actual Earnings	Recognition Period (Years)	2021	2022	2023	2024	2025	Thereafter
2021	\$ (2,316,085)	5	\$ (463,217)	\$ (463,217)	\$ (463,217)	\$ (463,217)	\$ (463,217)	\$ -
2020	\$ (3,246,979)	5	\$ (649,396)	\$ (649,396)	\$ (649,396)	\$ (649,396)	\$ -	\$ -
2019	\$ (4,214,132)	5	\$ (842,826)	\$ (842,826)	\$ (842,826)	\$ -	\$ -	\$ -
2018	\$ 3,919,588	5	\$ 783,918	\$ 783,918	\$ -	\$ -	\$ -	\$ -
2017	\$ (1,710,183)	5	\$ (342,037)	\$ -	\$ -	\$ -	\$ -	\$ -
CY2016 <sup>1</sup>	\$ 486,401	5	\$ 97,280	\$ -	\$ -	\$ -	\$ -	\$ -
FY2016 <sup>1</sup>	\$ 2,093,644	5	\$ 139,575	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ (1,276,703)	\$ (1,171,521)	\$ (1,955,439)	\$ (1,112,613)	\$ (463,217)	\$ -

<sup>1</sup> Beginning with the December 31, 2016 disclosure, the plan year changed from fiscal years ending on each April 30th to calendar years.

Village of Lake Zurich Employees' Pension Fund

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GASB 67/68

## SCHEDULE OF CONTRIBUTIONS

Plan Year-End	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Contributions as a Percentage of Covered Payroll	Covered Payroll
12/31/2021	2,491,121	2,498,348	(7,227)	5,270,025	47.41%
12/31/2020	2,373,133	2,300,705	72,428	5,338,995	43.09%

The following assumptions were used to determine the Actuarially Determined Contribution for the plan year ending December 31, 2021:

Calculation Timing	The Actuarially Determined Contribution is calculated using a January 1, 2020 valuation date.
Interest Rate	6.75%
Mortality Rate	<p><b>Active Lives:</b> PubS-2010 Employee mortality, projected 5 years past the valuation date with Scale MP-2019. 20% of active deaths are assumed to be in the line of duty.</p> <p><b>Inactive Lives:</b> PubS-2010 Healthy Retiree mortality, projected 5 years past the valuation date with Scale MP-2019.</p> <p><b>Beneficiaries:</b> PubS-2010 Survivor mortality, projected 5 years past the valuation date with Scale MP-2019.</p> <p><b>Disabled Lives:</b> PubS-2010 Disabled mortality, projected 5 years past the valuation date with Scale MP-2019.</p>
Assumptions	All other assumptions and methods used for determining the Actuarially Determined Contribution can be found in the January 1, 2020 Actuarial Valuation Report for the Village of Lake Zurich Firefighters' Pension Fund prepared by Foster & Foster Actuaries and Consultants.

GASB 67

## SCHEDULE OF INVESTMENT RETURNS

For the year ended December 31, 2021, the annual money-weighted return on Pension Plan investments, net of pension plan investment expense, was 11.40 percent. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

<u>Plan Year-End</u>	<u>Annual Money-Weighted Rate of Return Net of Investment Expense</u>
12/31/2021	11.40%
12/31/2020	14.54%

## GASB 67/68

## ASSUMPTIONS – GASB PENSION LIABILITY AND PENSION EXPENSE

The GASB 67/GASB 68 Pension Liability as of December 31, 2021 and GASB 68 Pension Expense were determined as follows:

Valuation Date	January 1, 2022
Measurement Date	December 31, 2021
GASB 68 Expense Measurement Period	January 1, 2021 - December 31, 2021
Reporting Period	January 1, 2021 - December 31, 2021
Discount Rate	6.75%
Inflation	2.50%
Salary Increases	Service-based rates
Other Assumptions	A summary of complete assumptions can be found in the accompanying Actuarial Valuation as of January 1, 2022 for the Village of Lake Zurich Firefighters' Pension Fund prepared by Foster & Foster Actuaries and Consultants.

The GASB 67/GASB 68 Total Pension Liability and GASB 68 Pension Expense reflect the following assumption changes:

- Updated mortality, retirement, and termination rate tables.

GASB 67-08

## NOTES TO THE FINANCIAL STATEMENTS

*Support for Long-Term Expected Rate of Return*

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by target asset allocation percentage and by adding expected inflation.

Best estimates of geometric real rates of return for each major asset class included in the Pension Plan's target asset allocation adopted as of December 31, 2021, as provided by Sawyer Falduto Asset Management, LLC, are summarized in the following table:

Asset Class	Target Allocation	Long Term Expected Real Rate of Return <sup>1</sup>
Large Cap Domestic Equity	42.00%	6.00%
Small Cap Domestic Equity	12.00%	7.80%
International Equity	6.00%	6.90%
Fixed Income	40.00%	1.10%
Total	100.00%	

<sup>1</sup> Please note that the implied long-term expected return of the total portfolio provided by the investment advisor would suggest that the Discount Rate is not supported. We will continue to monitor this in light of longer time horizons and the impact of Consolidation.

Inflation rate of investment advisor 2.25%

*Concentrations*

The Plan did not hold investments in any one organization that represent 5 percent or more of the Pension Plan's fiduciary net position.



## GASB 67/68

*Discount Rate*

The Discount Rate used to measure the Total Pension Liability was 6.75 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the Long-Term Expected Rate of Return on Pension Plan investments (6.75 percent) was applied to all periods of projected benefit payments to determine the Total Pension Liability.

For the purpose of this valuation, the expected rate of return on pension plan investments is 6.75 percent. The municipal bond rate is 2.25 percent (based on the daily rate closest to, but not later than the measurement date of the S&P Municipal Bond 20 Year High Grade Rate Index). The resulting single discount rate is 6.75 percent.

GAASB 67-68

#### SUMMARY OF CURRENT PLAN

##### Article 4 Pension Fund

The Plan is established and administered as prescribed by "Article 4. Firefighters' Pension Fund – Municipalities 500,000 and Under" of the Illinois Pension Code.

##### Plan Administration

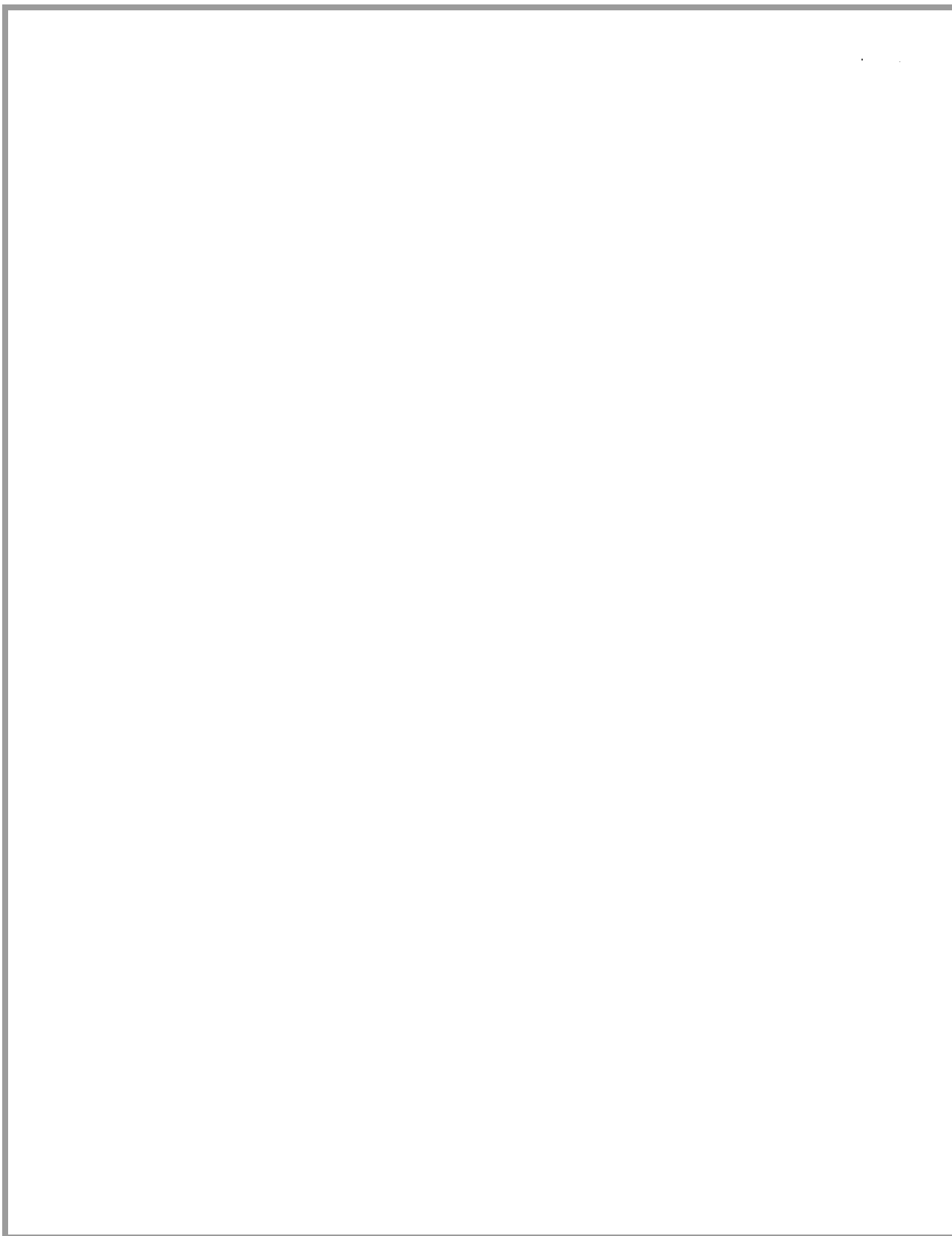
The Plan is a single employer defined benefit pension plan administered by a Board of Trustees comprised of:

- a.) Two members appointed by the Municipality,
- b.) Two active members of the Fire Department elected by the Membership.
- c.) One retired member of the Fire Department elected by the Membership.

##### Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

A summary of the benefit provisions can be found in the accompanying Actuarial Valuation as of January 1, 2022 for the Village of Lake Zurich Firefighters' Pension Fund prepared by Foster & Foster Actuaries and Consultants.



*At the Heart of Community*

## FINANCE DEPARTMENT

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Lake Zurich, Illinois 60047(847) 438-5141  
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## MEMORANDUM

Date: November 1, 2022

To: Ray Keller, Village Manager *PK*

From: Amy Sparkowski, Director of Finance

Subject: **2022 Property Tax Levy & Abatements**

**Issue:**

By statute, the Village is required to pass an ordinance each year for the annual property tax levy and any necessary abatement ordinances. The 2022 tax levy will be used to fund operations for fiscal year 2023 (January – December 2023). Details as to the 2022 levy are provided below, as well as an attached ordinance for Village Board consideration.

**Analysis:**Truth in Taxation

As the proposed property tax levy for 2022 will exceed 105% of the actual 2021 property tax extensions, the Village is required to hold a Truth in Taxation Public Hearing on the proposed property tax levy. The total proposed change to the levy is 6.10%. Staff will hold a Truth in Taxation Hearing on November 7, 2022 where the public has a chance to comment on the proposed increase. The hearing notice was published Friday, October 28, 2022.

Property Tax Levy - Summary

The Village is a non-home rule municipality that is subject to the Property Tax Extension Limitation Law (PTELL) as dictated by the State. The statute limits the increase in the amount of property taxes extended (for capped funds) to the lesser of the annual change in the applicable Consumer Price Index or 5%. The components subjects to the "cap" include Ambulance Service, Corporate Levy, Fire Protection, Firefighter Pension, Illinois Municipal Retirement Fund (IMRF), Police Pension and Police Protection. The 5.0% increase allowable under PTELL is applied to the

existing extension base from the 2021 levy of the same capped components, increasing the allowable levy by about \$404k.

In addition, the Village is allowed to “capture” the increase in the equalized assessed valuation (EAV) of the Village that is attributable to new construction. Estimated new Equalized Assessed Value (EAV) for the village from new property is about \$8 million, bringing in another roughly \$78k in taxes. Exhibit A of the attached ordinance summarizes the proposed levy calculations and impact of the CPI and new construction on total property tax extensions.

#### Distribution

Based on the estimated levy amount, the components of the levy are forecasted to change as shown in the chart below.

SUMMARY BY CATEGORY				
	2021 Extension	2022 Levy	% Change	\$ Change
<b>Capped Funds</b>				
Ambulance	1,008	1,000	-0.77%	(8)
Corporate	-	-	N/A	-
Fire Protection	1,792,607	2,003,197	11.75%	210,590
Firefighter Pension (Capped)	2,361,525	2,386,797	1.07%	25,272
IMRF	69,200	72,037	4.10%	2,837
Police Pension	2,067,701	2,142,608	3.62%	74,907
Police Protection	1,792,597	2,003,194	11.75%	210,597
Total Capped	8,084,638	8,608,833	6.48%	524,195
<b>Non-Capped Funds</b>				
Firefighter Pension (Non-Capped)	124,292	125,621	1.07%	1,329
Debt Service	1,218,885	1,279,523	4.97%	60,638
Special Recreation	180,001	180,000	0.00%	(1)
Total Non-Capped	1,523,178	1,585,144	4.07%	61,966
<b>Total</b>	<b>9,607,816</b>	<b>10,193,977</b>	<b>6.10%</b>	<b>586,161</b>

The line items for police and fire protection levy amounts represent only a fraction of the actual expenditures for public safety for the village. A large amount of the levies for ambulance service and IMRF pension were allocated into the Police and Fire Pension line items to help meet pension funding requirements. Total IMRF expense included in the 2023 budget is \$412k. Outside of the public safety pension line items, the capped items are combined into a single line on the tax bills, so the taxpayers are unaffected by any shift between the other lines.

Three components of the property tax levy are not subject to the caps of PTELL: Debt Service, Special Recreation and a small portion of the Firefighters’ Pension contribution. As the village abates the majority of bond payments, only about 13% of the tax bill for the village is attributable to debt service. For 2022, only one issuance remains, the 2023 short-term issuance. Special

Recreation is levied each year at \$180,000 to accommodate the special needs of the community. The special recreation levy allows for services such as interpreters for park programs and improvements to facilities and parks for accessibility so that all patrons can partake in the opportunities and programs. Last is the uncapped portion of the Firefighters' Pension contribution. Per Public Act 93-0689, the increase in pension amounts attributable to spouses and children of deceased firefighters is not subject to the PTELL cap. For this levy, the amount equates to about \$126k; the remainder of the firefighters' pension levy falls in to the capped portion of the levy.

#### Pension Funds

As required by state statute, the village has retained the services of enrolled actuaries to determine the annual contribution requirement for both pension funds. This is the fifth year using services from Foster and Foster. They have prepared reports for both pension funds. Based on results of the 2021 experience study performed for the Illinois Firefighters' Pension and Illinois Police Pension Investment Funds, the payroll growth rate was reduced from 3.50% to 3.25% and the mortality, retirement, and termination rate tables were updated.

The Village's statutory required funding for the **Police Pension Fund** for this year is \$1,781,463. For the proposed 2022 levy, the Foster and Foster recommended amount is \$2,142,608, an increase of \$75k from the 2021 extension. Staff feels it would be prudent and fiscally beneficial to maintain funding by accepting the recommended amount. With the funding requirement for the 2022 levy, the funding level for the Police Pension Fund increases from 53.9% to 57.6%.

The 2022 levy request for the Police Pension Fund contains a proposed levy of **\$2,142,608**. This amount matches the amount requested by the Police Pension Fund, which utilizes the same report from Foster and Foster for their annual reporting.

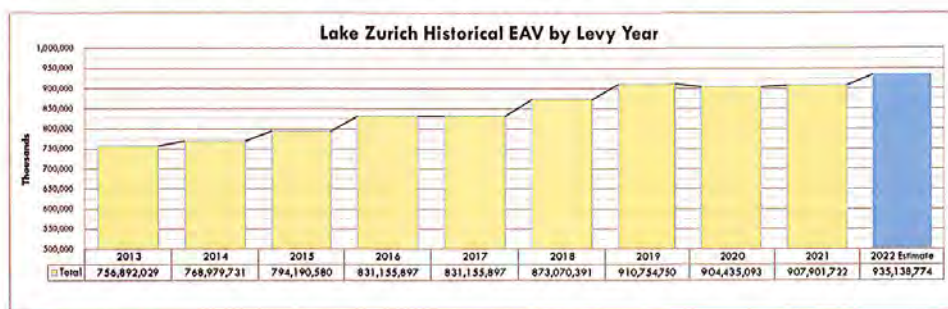
The statutorily required funding for the **Firefighters' Pension Fund** this year is \$2,058,238. For the proposed 2022 levy, the Foster and Foster recommended amount is \$2,512,418. This is an increase of \$27k from the 2021 extension. With the funding requirement for the 2022 levy, the funding level for the Firefighters' Pension Fund increases from 66.5% to 69.5%.

For the Firefighters' Pension Fund, the 2022 levy request contains a proposed levy of **\$2,512,418**. Even though the Firefighters' Pension Fund has chosen to retain their own actuary, the Firefighter's Pension Fund has submitted their request for funding based on the recommendation from Foster and Foster. As Foster and Foster's report represents the village's official actuary report, the village will fund \$2.51 million as identified in Foster and Foster's report.



### EAV Change

The taxable EAV is currently estimated to increase from \$907,901,722 to \$935,138,774, a total increase of 3.0%. This increase is based on a conservative review of preliminary data from Lake County and the Assessor. While the EAV for 2022 will not be finalized for a few months, the estimate provides a reasonable guide at this point. The following graphic shows the past nine (9) years of EAV by category and an additional year showing the estimate EAV for 2022.



### Household Impact

It is impossible to predict the exact impact on households, as there are varying factors which can affect each homeowner. One example is EAV changes. While the total EAV of the village is estimated to increase, some homeowners may experience a decrease in value. Another factor is exemptions, such as the homeowner exemption or senior exemption, which affect the taxable EAV. A home with a market value of \$383,850, and no other changes could expect about a \$60 annual increase to the Village for the 2022 levy.

### SSA's

Also included is a summary of the levies for the Special Service Areas (SSA's) within the village for the 2022 levy year. The active SSA's are #8, #9, #10, #11, #13, and #16. The SSA's have been filed with the County for levying each year, so no separate ordinance is required.

ACTIVE SSA LEVIES			
SSA	DESCRIPTION	LEVY TYPE	TOTAL AMOUNT
SSA #8	Heatherleigh	Ad Valorem	\$ 10,105
SSA #9	Willow Ponds	Ad Valorem	11,950
SSA #10	Nichols Grove/Westberry	Ad Valorem	1,000
SSA #11	Lake Zurich Pines	Non-Ad Valorem	3,000
SSA #13	Coventry Creek	Non-Ad Valorem	30,000
SSA #16	316 Country Club	Non-Ad Valorem	1,760
Total SSA Levies for 2022			\$ 57,815

#### Abatements

Five (5) ordinances totaling \$2,563,728 regarding debt service abatements are also being presented to the board for consideration. When the bond issuances were filed with the county, they included provisions for levying the funds necessary to make the debt service payments. These debt service obligations were all issued with the intent of payments being made from Tax Increment Financing (TIF) incremental revenues or water and sewer revenues. The recommended ordinances will notify the county clerk NOT to levy for these debt payments. The issuances to be abated total \$2,039,327.50 for TIF and \$524,400 for water, specifically:

#### **TIF Debt**

Series 2009A	-
Series 2014A	806,950.00
Series 2015A	413,685.00
Series 2016A	818,692.50
<b>TIF</b>	<b>2,039,327.50</b>

#### **Water & Sewer**

Series 2013A	416,000.00
Series 2016B	108,400.00
	<b>524,400.00</b>

**Recommendation:** Staff recommends the Village Board adopt each of the attached ordinances for the 2022 Village Property Tax Levy and the five debt service abatement ordinances. The filing deadline for this levy year is Tuesday, December 27, 2022.

w/Attachments: Ordinance - Property Tax Levy with Exhibit A - Calculation

- Abatement Ordinance – Series 2013A
- Abatement Ordinance – Series 2014A
- Abatement Ordinance – Series 2015A
- Abatement Ordinance – Series 2016A
- Abatement Ordinance – Series 2016B

## VILLAGE OF LAKE ZURICH



## ORDINANCE NO 2022-11-482

## ANNUAL TAX LEVY ORDINANCE

**WHEREAS**, the President and Board of Trustees of the Village of Lake Zurich, County of Lake and State of Illinois, will on December 5, 2022 consider approval and adoption of the Budget for said Village for the fiscal year commencing January 1, 2023 through December 31, 2023 the amount of said budget being the aggregate sum of \$73,928,913; and

**WHEREAS**, the Corporate Authorities of the Village of Lake Zurich have ascertained that the total amount of appropriations budgeted for in 2022 and amounts deemed necessary to defray additional expenses and liabilities for all corporate purposes to be provided for by the tax levy for the fiscal year commencing January 1, 2023 and ending December 31, 2023 amounts to \$8,914,454; and

**WHEREAS**, the Corporate Authorities of the Village of Lake Zurich acknowledge that for accounting purposes the total amount received from the tax levy shall be recognized as revenue during the fiscal year that begins on January 1, 2023 and ends on December 31, 2023, and

**WHEREAS**, the President and Board of Trustees properly noticed and conducted, on November 7, 2022, a public hearing on the proposed tax levy, all in accordance with the requirements of the Illinois Truth-In-Taxation Act, Illinois Compiled Statutes Ch. 35, §215 et seq.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LAKE ZURICH, LAKE COUNTY AND STATE OF ILLINOIS, as follows:

**Section 1. Recitals.** The foregoing recitals are hereby incorporated into this Ordinance as findings of the President and Board of Trustees.

**Section 2. Tax levy.** There shall be and is hereby levied on all taxable property within the corporate limits of said Village for the fiscal year commencing January 1, 2023 and ending December 31, 2023, the sum of \$8,608,833 for General Corporate purposes, and the sum of \$305,621 for special purposes, making a combined levy of \$8,914,454 as set forth in the attached Exhibit A, which Exhibit A is by this reference hereby fully incorporated into and made a part of this ordinance.

Section 3. Unexpended Balance. Any unexpended balance of any item or items levied in and by this Ordinance may be expended in making up any deficiency in any items under the same general budget and levy for the same general purpose.

Section 4. Filing with County Clerk. The Village Clerk is hereby authorized and directed to file a certified copy of this Ordinance, with the County Clerk of Lake County, Illinois, prior to December 27, 2022, and in accordance with law, so that said tax may be extended and collected according to law.

Section 5. Severability. Should any clause, sentence, paragraph, or part of this Ordinance be declared by a court of competent jurisdiction to be invalid, such decision shall not affect the validity of the Ordinance as a whole or of any part of this ordinance other than the part so declared to be invalid.

Section 6. Effective Date. This Ordinance shall be in full force and effect immediately on, and after, its passage by two-thirds of all Corporate Authorities now holding office and approval, the corporate authorities hereby finding and declaring that the matters contained herein are matters of urgency. The Village Clerk is hereby authorized and directed to immediately cause this Ordinance to be published in pamphlet form in the manner provided by law.

PASSED this 7<sup>th</sup> day of November, 2022.

AYES:

NAYS:

ABSENT:

APPROVED this 7<sup>th</sup> day of November, 2022

\_\_\_\_\_  
Thomas Poynton, Village President

ATTEST:

\_\_\_\_\_  
Kathleen Johnson, Village Clerk

TRUTH IN TAXATION  
CERTIFICATE OF COMPLIANCE

I the undersigned, certify that I am the presiding Chief Executive Officer/Village President of the Village of Lake Zurich, and as such presiding officer, I also certify that Ordinance No. 2022-11-482 a copy of which is attached, was adopted pursuant to, and in all respects in compliance with the tax provisions of Public Act 87-17, Sections 18-60 through 18-85 of the "Truth in Taxation" law. The Village held a public hearing on November 7, 2022 (copy of public notice attached) to give residents an opportunity to comment on the requested levy.

This certificate applies to the 2022 levy.

Date: November \_\_\_\_, 2022.

Village President: \_\_\_\_\_  
Tom Poynton

(SEAL)



## EXHIBIT A

Village of Lake Zurich  
Property Tax Levy Calculation

Levy Year: 2022  
Fiscal Year: 2023

EAV ESTIMATE	
2021 Levy EAV	907,901,722
Growth 3.0%	27,237,052
Estimate Total EAV	935,138,774
New Construction	(8,462,294)
2022 Capped EAV Estimate	926,676,481
Extension Base with 5.0% CPI	8,488,870
Limiting Rate Estimate	0.916055%

PROPERTY TAX EXTENSION ESTIMATE					
	CAPPED	NON-CAPPED			Total
	General Levy	Fire Pension 93-0689	Debt	SRA	Total
2021 Extension	8,084,638	124,292	1,218,885	180,001	9,607,816
Base Extension	8,084,638				8,084,638
CPI Increase -5.0%	404,232	-	-	-	404,232
New Construction	77,519	-	-	-	77,519
Provision for Loss - 0.5%	42,444	-	-	-	42,444
Fire Pension 93-0689	-	125,621	-	-	125,621
Debt for 2022 Levy	-	-	1,279,523	-	1,279,523
SRA for 2022 Levy	-	-	-	180,000	180,000
2022 Levy	8,608,833	125,621	1,279,523	180,000	10,193,977
% Change					6.10%

SUMMARY BY CATEGORY				
	2021 Extension	2022 Levy	% Change	\$ Change
<b>Capped Funds</b>				
Ambulance	1,008	1,000	-0.77%	(8)
Corporate	-	-	N/A	-
Fire Protection	1,792,607	2,003,197	11.75%	210,590
Firefighter Pension (Capped)	2,361,525	2,386,797	1.07%	25,272
IMRF	69,200	72,037	4.10%	2,837
Police Pension	2,067,701	2,142,608	3.62%	74,907
Police Protection	1,792,597	2,003,194	11.75%	210,597
Total Capped	8,084,638	8,608,833	6.48%	524,195
<b>Non-Capped Funds</b>				
Firefighter Pension (Non-Capped)	124,292	125,621	1.07%	1,329
Debt Service	1,218,885	1,279,523	4.97%	60,638
Special Recreation	180,001	180,000	0.00%	(1)
Total Non-Capped	1,523,178	1,585,144	4.07%	61,966
<b>Total</b>	<b>9,607,816</b>	<b>10,193,977</b>	<b>6.10%</b>	<b>586,161</b>



## VILLAGE OF LAKE ZURICH



## ORDINANCE NO. 2022-11-483

**AN ORDINANCE ABATING CERTAIN TAXES  
LEVIED FOR \$3,800,000 GENERAL OBLIGATION  
BONDS, WATERWORKS AND SEWERAGE SYSTEM  
ALTERNATE REVENUE SOURCE, SERIES 2013A**

WHEREAS, the President and Board of Trustees of the Village of Lake Zurich, adopted Ordinance No. 2013-08-905 on the 19<sup>th</sup> day of August 2013 titled "An Ordinance authorizing and providing for the issuance of \$3,800,000 General Obligation Bonds, Waterworks and Sewerage System Alternate Revenue Source, Series 2013A of the Village of Lake Zurich, Illinois for the purpose of providing for improvements to said system, prescribing the details of said bonds and providing for collection, segregation and distribution of the waterworks and sewerage system revenues.

WHEREAS, the Bond Ordinance provides for the levy of \$416,000 in real estate taxes for the year 2022 to pay principal and interest due on said bonds in the forthcoming 2023 fiscal year; and

WHEREAS, said Bond Ordinance authorizes the President and Board of Trustees to use Village of Lake Zurich Waterworks and Sewerage Fund revenue in lieu of real estate tax for payment of the 2013A Bonds; and

WHEREAS, the President and Board of Trustees have determined that the Waterworks and Sewerage Fund has sufficient funds available to pay the \$416,000 principal and interest installment that will become due in fiscal year 2023.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake Zurich, Lake County and State of Illinois, as follows:

Section 1 Recitals. The foregoing recitals are hereby incorporated into this Ordinance as findings for the President and Board of Trustees.

Section 2 Authorization of Abatement. The President and Board of Trustees hereby authorize and direct abatement of \$416,000 levied for the year 2022 for payment of said principal and interest due in fiscal year 2023.

Section 3 Filing with County Clerk. The Village Clerk is hereby authorized and directed to file a certified copy of this Ordinance, with the County Clerk of Lake County, prior to December 31, 2022 and in accordance with law, so that said real estate tax may be abated.

Section 4 Publication. The Village Clerk is hereby authorized and directed to publish said ordinance in pamphlet form as provided by law.

Section 5. Effective Date. The ordinance shall be in full force and effect from and after passage, approval, and publication as provided by law.

PASSED this \_\_\_\_ day of November, 2022

AYES:

NAYS:

ABSENT:

APPROVED this \_\_\_\_ day of November, 2022

\_\_\_\_\_  
Thomas Poynton, Village President

ATTEST:

\_\_\_\_\_  
Kathleen Johnson, Village Clerk

**VILLAGE OF LAKE ZURICH**



**ORDINANCE NO. 2022-11-484**

**AN ORDINANCE ABATING CERTAIN TAXES  
LEVIED FOR \$6,325,000 GENERAL OBLIGATION  
REFUNDING BONDS, SERIES 2014A**

**WHEREAS**, the President and Board of Trustees of the Village of Lake Zurich, adopted Ordinance No. 2014-08-992 on the 18<sup>th</sup> day of August, 2014, titled "An Ordinance authorizing and providing for the issue of \$6,325,000 General Obligation Refunding Bonds (Sales Tax Alternate Revenue Source), Series 2014A, of the Village of Lake Zurich, Lake County, Illinois; and

**WHEREAS**, the Bond Ordinance provides for the levy, of \$806,950 in real estate taxes for the year 2022 to pay principal and interest due on said bonds in the forthcoming 2023 fiscal year; and

**WHEREAS**, said Bond Ordinance authorizes the President and Board of Trustees to use Village of Lake Zurich Sales Tax Revenue in lieu of real estate tax for payment of the 2014A Bonds; and

**WHEREAS**, the President and Board of Trustees have determined that the relevant fund has sufficient funds available to pay the \$806,950 principal and interest installment that will become due in fiscal year 2023.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake Zurich, Lake County and State of Illinois, as follows:

Section 1 Recitals. The foregoing recitals are hereby incorporated into this Ordinance as findings for the President and Board of Trustees.

Section 2 Authorization of Abatement. The President and Board of Trustees hereby authorize and direct abatement of \$806,950 levied for the year 2022 for payment of said principal and interest due in fiscal year 2023.

Section 3 Filing with County Clerk. The Village Clerk is hereby authorized and directed to file a certified copy of this Ordinance, with the County Clerk of Lake County, prior to December 31, 2022 and in accordance with law, so that said real estate tax may be abated.

Section 4 Publication. The Village Clerk is hereby authorized and directed to publish said ordinance in pamphlet form as provided by law.

Section 5. Effective Date. The ordinance shall be in full force and effect from and after passage, approval, and publication as provided by law.

PASSED this \_\_\_\_ day of November, 2022

AYES:

NAYS:

ABSENT:

APPROVED this \_\_\_\_ day of November, 2022

\_\_\_\_\_  
Thomas Poynton, Village President

ATTEST:

\_\_\_\_\_  
Kathleen Johnson, Village Clerk

**VILLAGE OF LAKE ZURICH**



**ORDINANCE NO. 2022-11-485**

**AN ORDINANCE ABATING CERTAIN TAXES  
LEVIED FOR \$11,775,000 GENERAL OBLIGATION  
REFUNDING BONDS, SERIES 2015A**

**WHEREAS**, the President and Board of Trustees of the Village of Lake Zurich, adopted Ordinance No. 2015-04-057 on the 6<sup>th</sup> day of April, 2015, titled "An Ordinance authorizing and providing for the issue of \$11,775,000 General Obligation Refunding Bonds (Sales Tax Alternate Revenue Source), Series 2015A, of the Village of Lake Zurich, Lake County, Illinois; and

**WHEREAS**, the Bond Ordinance provides for the levy, of \$413,685 in real estate taxes for the year 2022 to pay interest due on said bonds in the forthcoming 2023 fiscal year; and

**WHEREAS**, said Bond Ordinance authorizes the President and Board of Trustees to use Village of Lake Zurich Sales Tax Revenue in lieu of real estate tax for payment of the 2015A Bonds; and

**WHEREAS**, the President and Board of Trustees have determined that the relevant fund has sufficient funds available to pay the \$413,685 interest installment that will become due in fiscal year 2023.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake Zurich, Lake County and State of Illinois, as follows:

Section 1 Recitals. The foregoing recitals are hereby incorporated into this Ordinance as findings for the President and Board of Trustees.

Section 2 Authorization of Abatement. The President and Board of Trustees hereby authorize and direct abatement of \$413,685 levied for the year 2022 for payment of said interest due in fiscal year 2023.

Section 3 Filing with County Clerk. The Village Clerk is hereby authorized and directed to file a certified copy of this Ordinance, with the County Clerk of Lake County, prior to December 31, 2022 and in accordance with law, so that said real estate tax may be abated.

Section 4 Publication. The Village Clerk is hereby authorized and directed to publish said ordinance in pamphlet form as provided by law.

Section 5. Effective Date. The ordinance shall be in full force and effect from and after passage, approval, and publication as provided by law.

PASSED this \_\_\_\_ day of November, 2022

AYES:

NAYS:

ABSENT:

APPROVED this \_\_\_\_ day of November, 2022

\_\_\_\_\_  
Thomas Poynton, Village President

ATTEST:

\_\_\_\_\_  
Kathleen Johnson, Village Clerk



## VILLAGE OF LAKE ZURICH



## ORDINANCE NO. 2022-11-486

**AN ORDINANCE ABATING CERTAIN TAXES  
LEVIED FOR \$7,100,000 GENERAL OBLIGATION  
REFUNDING BONDS, SERIES 2016A**

**WHEREAS**, the President and Board of Trustees of the Village of Lake Zurich, adopted Ordinance No. 2016-05-132 on the 16<sup>th</sup> day of May, 2016, titled "An Ordinance providing for the issue of \$7,100,000 Taxable General Obligation Refunding Bonds (Alternate Revenue Source), Series 2016A, of the Village of Lake Zurich, Lake County, Illinois; and

**WHEREAS**, the Bond Ordinance provides for the levy, of \$818,692.50 in real estate taxes for the year 2022 to pay interest due on said bonds in the forthcoming 2023 fiscal year; and

**WHEREAS**, said Bond Ordinance authorizes the President and Board of Trustees to use Village of Lake Zurich Sales Tax Revenue in lieu of real estate tax for payment of the 2016A Bonds; and

**WHEREAS**, the President and Board of Trustees have determined that the relevant fund has sufficient funds available to pay the \$818,692.50 interest installment that will become due in fiscal year 2023.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake Zurich, Lake County and State of Illinois, as follows:

Section 1     Recitals.     The foregoing recitals are hereby incorporated into this Ordinance as findings for the President and Board of Trustees.

Section 2     Authorization of Abatement.     The President and Board of Trustees hereby authorize and direct abatement of \$818,692.50 levied for the year 2022 for payment of said interest due in fiscal year 2023.

Section 3     Filing with County Clerk.     The Village Clerk is hereby authorized and directed to file a certified copy of this Ordinance, with the County Clerk of Lake County, prior to December 31, 2022 and in accordance with law, so that said real estate tax may be abated.

Section 4     Publication.     The Village Clerk is hereby authorized and directed to publish said ordinance in pamphlet form as provided by law.

Section 5.     Effective Date.     The ordinance shall be in full force and effect from and after passage, approval, and publication as provided by law.

PASSED this \_\_\_\_ day of November, 2022

AYES:

NAYS:

ABSENT:

APPROVED this \_\_\_\_ day of November, 2022

\_\_\_\_\_  
Thomas Poynton, Village President

ATTEST:

\_\_\_\_\_  
Kathleen Johnson, Village Clerk

**VILLAGE OF LAKE ZURICH**



**ORDINANCE NO. 2022-11-487**

**AN ORDINANCE ABATING CERTAIN TAXES  
LEVIED FOR \$1,000,000 GENERAL OBLIGATION  
BONDS (WATERWORKS AND SEWERAGE SYSTEM  
ALTERNATE REVENUE SOURCE), SERIES 2016B**

**WHEREAS**, the President and Board of Trustees of the Village of Lake Zurich, adopted Ordinance No. 2016-08-144 on the 1<sup>st</sup> day of August, 2016, titled "An Ordinance providing for the issuance of \$1,000,000 General Obligation Bonds (Waterworks and Sewerage System Alternate Revenue Source), Series 2016B, of the Village of Lake Zurich, Lake County, Illinois; and

**WHEREAS**, the Bond Ordinance provides for the levy, of \$108,400 in real estate taxes for the year 2022 to pay interest due on said bonds in the forthcoming 2023 fiscal year; and

**WHEREAS**, said Bond Ordinance authorizes the President and Board of Trustees to use Village of Lake Zurich Sales Tax Revenue in lieu of real estate tax for payment of the 2016B Bonds; and

**WHEREAS**, the President and Board of Trustees have determined that the relevant fund has sufficient funds available to pay the \$108,400 interest installment that will become due in fiscal year 2023.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake Zurich, Lake County and State of Illinois, as follows:

Section 1 Recitals. The foregoing recitals are hereby incorporated into this Ordinance as findings for the President and Board of Trustees.

Section 2 Authorization of Abatement. The President and Board of Trustees hereby authorize and direct abatement of \$108,400 levied for the year 2022 for payment of said interest due in fiscal year 2023.

Section 3 Filing with County Clerk. The Village Clerk is hereby authorized and directed to file a certified copy of this Ordinance, with the County Clerk of Lake County, prior to December 31, 2022 and in accordance with law, so that said real estate tax may be abated.

Section 4 Publication. The Village Clerk is hereby authorized and directed to publish said ordinance in pamphlet form as provided by law.

Section 5. Effective Date. The ordinance shall be in full force and effect from and after passage, approval, and publication as provided by law.

PASSED this \_\_\_\_ day of November, 2022

AYES:

NAYS:

ABSENT:

APPROVED this \_\_\_\_ day of November, 2022

\_\_\_\_\_  
Thomas Poynton, Village President

ATTEST:

\_\_\_\_\_  
Kathleen Johnson, Village Clerk



*At the Heart of Community*

PUBLIC WORKS DEPARTMENT

505 Telser Road  
Lake Zurich, Illinois 60047

(847) 540-1696  
Fax (847) 726-2182  
LakeZurich.org

Date: October 24, 2022

To: Ray Keller, Village Manager *PK*

From: Michael J Brown, Public Works Director

Subject: **Village of Lake Zurich Water Distribution Supply Study Assessment**

**Issue:** As the Village continues to assess the feasibility of transitioning to Lake Michigan Water as the community water source, an assessment of the current distribution system is needed to provide improvement recommendations, and costs associated with the connection point to the Central Lake County Joint Action Water Agency (CLCJAWA).

**Background:** On September 6, 2022, the Village Board approved an Intergovernmental Agreement (IGA) between the Village of Lake Zurich and the Central Lake County Joint Action Water Agency (CLCJAWA) for the sharing of engineering costs to conduct a study of the feasibility, and manner of accomplishment and estimated cost for CLCJAWA to provide Lake Michigan water to the Village of Lake Zurich.

An addition to the IGA, the Village would provide an assessment on its current operations and distribution system for formal recommendations and costs associated with the connection within the Village's jurisdiction.

**Village Strategic Plan:** This agenda item is consistent with the following Goal of the Village Strategic Plan.

- o **Infrastructure Investment:** Ensure a sustainable, healthy and economical water source for current and future Lake Zurich residents.

**Analysis:** In order to provide efficiencies with design and review between the Village and CLCJAWA, staff has requested that CDM Smith provide a proposal for a supply study assessment. The purpose of this study is to determine the additional facilities or improvements needed to provide 100 percent supply from the CLCJAWA connection and minimize impact on system pressure, fire flows, and other established system criteria.

The overall completion of the study is expected to be six months to deliver a final report to be presented to the Village Board in 2023.

The scope of services would include the following:

- 1) ***Establish Design Criteria-*** CDM Smith will facilitate a kickoff meeting with Village staff to discuss project objectives, schedule, and overall design criteria. Design criteria will include flows, minimum and maximum pressure, fire flow requirements, maximum flow velocity, pipe materials, etc. Additional criteria unique to Lake Zurich will be established as necessary.
- 2) ***Hydraulic Model Development and Calibration-***Through this process CDM Smith will provide the following:
  - ***Update the Current Village Hydraulic Model-*** Add any newer infrastructure that is currently not reflected in the current model. Modify control valve, pump, and operational settings.
  - ***Calibrate Hydraulic Model-***Perform up to 12 hydrant tests for field pressure and flow data. Review SCADA data from the test days to assess tank levels, well flow, and pressure levels. Adjust control valves, pipe connectivity, and control valve settings as needed.
  - ***Review Flow/Pressure Data-***Review well pump test data within last two years, and use existing data to determine pump performance. Adjust pump curves as needed.
  - ***Model Validation-***Village will provide one-week period that includes maximum day demand (or other high demand period) of hourly SCADA data for well pumps, tank levels and pressures. A validation scenario will be set up to replicate 24-hour period within the period. Diurnal pattern will be calculated based on the hourly data provided.
  - ***Hydraulic Modeling Evaluations-***Analyze fire flow. Water age evaluation to be determine if a single supply point will cause issues within the distribution system.
- 3) ***Evaluate Distribution System Improvements-*** Identify distribution system improvements to maintain the same level of service in terms of pressure and fire flows. This will include evaluating distribution system piping changes and new loops that may be required. Identify storage and pumping improvements in the Village.
- 4) ***Project Cost Development-*** Develop an opinion of probable construction cost (OPCC) based on the conceptual design development. These costs will consider the pipe size and material, method of installation, and storage and pumping improvements.
- 5) ***Draft and Final Report Development-*** Develop a draft report summarizing the effort in Task 2 through 4. A workshop will be hosted with Village staff to review the draft report. A final report will be developed for presentation to Village Board. The Final Report will include a list of recommended distribution system improvements, timeline for completion and anticipated program costs.



6) ***Project Management for Illinois Environmental Protection Agency (IEPA) State Revolving Fund (SRF) Project Nomination Forms-*** Through this process CDM Smith will provide the following:

- ***Project Planning-*** CDM Smith will set-up an electronic Project Execution Plan and facilitate a Project Planning and Scope Review Meeting to kick-off the project with key staff for CDM Smith and the Village.
- ***Project Status Tracking-*** CDM Smith will develop a baseline schedule to track progress on a monthly basis. Maintain a budget tracking system. The budget tracking system will be used to identify potential out of scope items, including change orders, and impacts to the overall budget.
- ***Project Reporting-*** CDM Smith will prepare a monthly summary report and invoice including attendance of one Village Board Meeting.
- ***IEPA SRF Project Nomination Forms-*** CDM Smith will prepare IEPA SRF Project Nomination Forms for the Village improvements for submission in 2023.

Upon completion of the study, a workshop would be held with both staff and the Village Board to review a draft report, and its findings. The final report will include recommended distribution system improvements, timeline for completion, and anticipated project costs. The final report will be presented at a Village Board meeting with a presentation from CDM Smith.

**Recommendation:** Approve the agreement between the Village of Lake Zurich and CDM Smith for the Lake Zurich Supply Study Assessment in the amount not to exceed \$129,952.00

**w/Attachments:**

- 1) Proposal for services CDM Smith.

## Lake Zurich Supply Study Assessment

### Exhibit A – Scope of Services, Time of Performance, and Method of Payment

This Exhibit A to the Agreement between the Village of Lake Zurich, Illinois (LZ) and CDM Smith Inc. (CDM Smith) contains the scope of services, schedule, and fee, for Planning Services for the assessment of supply distribution from the Central Lake County Joint Action Water Agency (CLCJAWA) Delivery Structure to the Village's water distribution system.

#### **BACKGROUND**

The Village of Lake Zurich is currently supplied by five groundwater wells/plants located throughout the Village service area. New supply from CLCJAWA Connection Point (new connection) to Lake Zurich Delivery Point is planned connection as shown in Figure 1.



The purpose of this study is to determine the additional facilities or improvements needed to provide 100 percent supply from CLCJAWA connection and minimize impact on system pressure, fire flows and other established system criteria.

### SCOPE OF SERVICES

The scope of services for this Project includes:

- Task 1 – Establish Design Criteria
- Task 2 – Model Development and Calibration
- Task 3 – Evaluate Distribution System Improvements
- Task 4 – Project Cost Development

## Exhibit A • Scope of Services

- Task 5 – Report Development
- Task 6 – Project Management and IEPA SRF Project Nomination Forms

### Task 1 – Kickoff Meeting and Establishing Design Criteria

CDM Smith will facilitate a kickoff meeting with Village staff to discuss project objectives, schedule, and overall design criteria. Design criteria will include flows, minimum and maximum pressure, fire flow requirements, maximum flow velocity, pipe materials, etc. Additional criteria unique to Lake Zurich will be established as necessary.

### Task 2 – Hydraulic Model Development and Calibration

As part of this Task, CDM Smith will:

#### 2.1 Update Village Model

- Add new pipes, pumps, tanks, PRVs,
- Modify control valve settings, pump operational settings.
- Demands will be scaled up or down globally. Customer demands will not be modified or reallocated unless specific large customers were known to have changes, as provided by LZ.

#### 2.2 Calibrate Hydraulic Model

- Perform (up to 12) hydrant tests
  - CDM Smith will retain the services of ME Simpson to perform such tests – Assume up to three days for a not-to-exceed cost of \$9,000.
  - During testing, ME Simpson will collect field pressure/flow data
- The Village will provide SCADA data from the day of the test for tank levels, well flow and pressure, etc.
- Process field and SCADA data.
- Adjust c-values, pipe connectivity, control valve settings as needed.

#### 2.3 Review Flow/Pressure Data

- Review well pump test data within last 2 years is available, use existing data to determine pump performance.
- Adjust pump curves as needed.

#### 2.4 Model Validation

- Village will provide one week period that includes maximum day demand (or other high demand period) of hourly SCADA data for well pumps, tank levels and pressures.
- A validation scenario will be set up to replicate 24-hour period within the period.
- Diurnal pattern will be calculated based on the hourly data provided.

#### 2.5 Hydraulic Modeling Evaluations:

- Existing conditions without new supply connection
  - 24-hour EPS run as developed in the validation run.
    - Peak hour will be part of the 24-hr EPS run
  - MDD plus Fire Flow
  - Water Age evaluation will be needed to determine if a single supply point will cause water age issues in the remote corners of the system.



- **With new connections, with existing distribution facilities**
  - 24-hour EPS run as developed in the validation run.
    - Peak hour will be part of the 24-hr EPS run
  - MDD plus Fire Flow
  - Water age run is not necessary.
- **With new connection and recommended improvements**
  - 24-hour EPS run as developed in the validation run.
    - Peak hour will be part of the 24-hr EPS run
  - MDD plus Fire Flow
  - Water age run

CDM Smith will host one review meeting with Village staff to discuss the proposed improvements.

### **Task 3 – Evaluate Distribution System Improvements**

Task 3 consists of the following subtasks:

- Task 3.1 – Distribution System Piping Improvements
- Task 3.2 – Distribution System Storage and Pumping Improvements

#### **Task 3.1 – Distribution System Piping Improvements**

CDM Smith will rely on the hydraulic model results to identify distribution system improvements to maintain the same level of service in terms of pressure and fire flows. This will include evaluating distribution system piping changes and new loops that may be required.

#### **Task 3.2 – Storage and Pumping Improvements**

CDM Smith will rely on the results of the hydraulic model to identify storage and pumping improvements in the Village.

CDM Smith will host one review meeting with Village staff to discuss the proposed improvements.

### **Task 4 – Project Cost Development**

CDM Smith will develop an opinion of probable construction cost (OPCC) based on the conceptual design development. These costs will consider the pipe size and material, method of installation, and storage and pumping improvements. The OPCC developed will be an Order of Magnitude estimate with an anticipated accuracy of +50% to -30% based on the American Association of Cost Estimate Engineers established guidelines.

The total project cost will also consider engineering services (design and construction phases) and contingency, based on a percent of the OPCC developed.

### **Task 5 – Draft and Final Report Development**

CDM Smith will develop a draft report summarizing the effort in Task 2 through 4. A workshop will be hosted with Village staff to review the draft report. The updated draft report will be submitted to

## Exhibit A • Scope of Services

Village Board for review and a workshop will be scheduled with Village Board to review the draft report.

A final report will be developed for presentation to Village Board. The Final Report will include a list of recommended distribution system improvements, timeline for completion and anticipated program costs.

### **Task 6 – Project Management and IEPA SRF Project Nomination Forms**

Task 6 consists of the following subtasks:

- Task 6.1 – Project Planning
- Task 6.2 – Project Status Tracking
- Task 6.3 – Project Reporting
- Task 6.4 – Project Funding Support – Prepare IEPA SRF Funding Nomination Forms

#### **Task 6.1 – Project Planning**

CDM Smith will set-up an electronic Project Execution Plan and facilitate a Project Planning and Scope Review Meeting to kick-off the project with key staff for CDM Smith and the Village.

#### **Task 6.2 – Project Status Tracking**

CDM Smith will develop a baseline schedule to track progress on a monthly basis.

CDM Smith will maintain a budget tracking system. The budget tracking system will be used to identify potential out of scope items, including change orders, and impacts to the overall budget.

#### **Task 6.3 – Project Reporting**

CDM Smith will prepare a monthly summary report and invoice including attendance of one Village Board Meeting.

#### **Task 6.4 – IEPA SRF Project Nomination Forms**

CDM Smith will prepare IEPA SRF Project Nomination Forms for the Village improvements for submission in 2023. Preparation of project plan and other documents will be completed under a future task.

#### **Assumptions:**

- Existing groundwater wells will be considered as backup/emergency supply for this task.
- Pressure and flowrate from the new connection is known and provided.
- Pipe alignment and diameter of the proposed Route 3A in Figure 1 will be used for this task.
- Village will provide established performance criteria at kickoff meeting.
- Existing model will be provided by the Village.
- Operational settings/strategy including pump operations will be provided by the Village.
- Existing well/pump testing is not included. Existing operational data will be provided by Village.
- Fire flow testing will be done by ME Simpson. An allowance of \$9,000 has been included in the Fee.

## SCHEDULE / TIME OF PERFORMANCE

CDM Smith proposes a six-month schedule to complete the above tasks from notice to proceed.

## FEE / METHOD OF PAYMENT

Services provided under this Agreement shall be compensated on a time and materials basis in proportion to services completed. ME Simpon's fire flow testing is included in the fee and will be billed at cost. Payment for services performed will be made on a monthly basis with a not-to-exceed fee of \$129,952.