

AGENDA
Municipal Services Committee
April 22, 2024
6:00 P.M. – Council Chambers

1. **Call To Order**
2. **Establish A Quorum**
3. **Old Business**
4. **New Business**
 - a. [PZC2024-02](#) - Woodland Glen Development (2941, 2963, and 2985 87th Street)
 - b. [Resolution](#) – Accepting a proposal at the unit prices for sidewalk cutting/grinding from Hard Rock Concrete Cutters, Inc., in an amount not to exceed \$251,100.
 - c. [Motion](#) - A contingency in the amount of \$15,000 to cover any shortfall or additional grinding that may be field identified.
 - d. [Resolution](#) – Authorizing the purchase of the Phase 3-Leak Logger Program, consisting of 217 leak logger units from Gutermann Inc., in an amount not to exceed \$219,441.70.
 - e. [Resolution](#) - Accepting a proposal from Superior Road Striping, Inc., at the proposed unit prices, in an amount not to exceed \$20,000.00 for the 2024 Street Striping Program
 - f. [Resolution](#) - Accepting a proposal for the purchase of one (1) new Husqvarna walk-behind saw with 24 inch blade diameter from O’Leary’s Contractors Equipment & Supply, Inc., in an amount not to exceed \$8,750.00.
 - g. [Resolution](#) - Authorizing the license renewal of a web-based work order software with Granicus-GovQA in an amount not to exceed \$9,099.16.
 - h. [Resolution](#) – Accepting a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$68,615 for the Municipal Services Department.
 - i. [Resolution](#) - Accepting a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$49,015 for the Community Development-Building Division Permit files.
 - j. [Resolution](#) – Accepting a 3-year contract from Vestis Uniform & Workplace Supplies for the leasing of floor mats including the delivery and cleaning of in an amount not to exceed \$4,967.04 each year.
 - k. **Minutes** – [March 25, 2024](#) Municipal Services Committee
5. **Director’s Report**
6. **Next scheduled meeting – May 28, 2024**
7. **Adjournment**

AGENDA MEMO
MUNICIPAL SERVICES COMMITTEE
APRIL 22, 2024

CASE

PZC2024-02 Woodland Glen Development, LLC (2941, 2963, & 2985 87TH ST)
Final Planned Unit Development (PUD) and Final Plat of
Subdivision

ISSUE STATEMENT

Petitioner requests final approval for a Planned Unit Development (PUD) and Final Plat of Subdivision. The petition specifically requests final approval for a 17-lot subdivision with 34 total dwelling units, or 17 two-family dwellings (i.e. duplexes). Property is comprised of 7.34 acres.

The City Council granted preliminary approval for this petition on November 20, 2023. Per zoning ordinance standards, a Planned Unit Development (PUD) must also receive final approval, and *if the final plan and other supporting data are in substantial conformity with the preliminary plan, the Plan Commission shall approve it.*

Applicable Regulations: City Code Section 5A-7-3, R-3 District Standards
 City Code Section 5A-3, PUD Regulations
 City Code Section 5B, Subdivision Regulations

GENERAL INFORMATION

Petitioner: Woodland Glen Development, LLC
Property Owner: Julian Saybor & Maria Sciuillo
Property Location: 2941, 2963, & 2985 87TH Street
PIN Number(s): 10-06-200-004, 10-06-200-005, & 10-06-200-006
Existing Zoning: Single-Family Residence District (R-1)
Proposed Zoning: Multi-Family Residence District (R-3)
Existing Land Use: Single-Family Residential
Proposed Land Use: Two-Family Dwellings (i.e. Duplexes)
Comprehensive Plan: Low Density Residential (Existing);
 Medium Density Residential (Future)

Key Development Area #9: This key area can include commercial development if cohesive in nature. It also presents opportunity for further residential development either through infill or subdivision.

Surrounding Zoning & Uses

 North: Single-Family Residence District (R-2); Single-Family Residential
 East: Single-Family Residence District (R-1); Single-Family Residential
 South: R-2 Single Family (Unincorporated); Single-Family Residential
 West: R-2 Single Family (Unincorporated); Single-Family Residential
Petition Site Acreage: 7.34 Acres
Floodplain: According to the DuPage County Parcel Viewer System, there is no
 floodplain on the subject site.

Natural Features: According to the DuPage County Parcel Viewer System, there is a small area of wetland in the far southeastern portion of the site.

Transportation: The petition site gains access from 87TH Street with two (2) proposed ingress/egress cuts for Woodland Lane.

PETITIONER DOCUMENTS (ATTACHED TO MEMO)

- 1) **APPLICATION**
- 2) **COVER LETTER & NARRATIVE**
- 3) **FINAL DEVELOPMENT PLAN**
- 4) **FINAL PLAT**
- 5) **LANDSCAPE PLAN**
- 6) **FLOOR PLAN & RENDERING**
- 7) **DEVELOPMENT SCHEDULE**

CITY STAFF DOCUMENTS (ATTACHED TO MEMO)

- 8) **AERIAL & STREET IMAGES**
- 9) **CITY ENGINEER LETTER**
- 10) **PZC MINUTES (DRAFT) – APRIL 3, 2024**

PLANNING OVERVIEW/DISCUSSION

The petition site is located on the south side of 87TH Street, west of Lemont Road and on the edge of the City’s jurisdictional boundary. The site totals 7.34 acres and is comprised of three (3) parcels. There are existing dwellings on the parcels that would be demolished along with other structures if the proposal is approved. The proposal is to develop the site as a 17-lot subdivision containing 17 two-family dwellings (i.e. duplexes), meaning 34 total units. The zoning ordinance defines the proposed dwellings as follows:

DWELLING, TWO-FAMILY: A detached building or structure containing two (2) dwelling units only, designed for and occupied by two (2) families.

DUPLEX: See definition of Dwelling, Two-Family.

On November 20, 2023, the City Council granted preliminary approval for this petition. The preliminary process included a zoning application for a rezone, preliminary Planned Unit Development (PUD), preliminary plat, and variations/waivers from the subdivision and zoning regulations. The zoning change is from Single Family Residence District (R-1) to Multi-Family Residence District (R-3). The variations/waivers that were granted as part of the preliminary approval are listed below:

- *Subdivision Regulation Section 5B-1-7(B)(6) – Variation Request*
 - o This section provides for a 66’ right-of-way and 30’ pavement width. The proposed plan shows Woodland Lane with a 50’ right-of-way and 27’ road width.
- *Subdivision Regulation Section 5B-1-8(G)(1) – Variation Request*
 - o This section provides for a 150’ curve radius on Minor Streets. The proposed plan shows a 53.5’ radius for Woodland Lane.
- *Zoning Section 5A-7-3-5(A) – Waiver request to minimum lot size requirement.*
 - o Waiver request to reduce the minimum lot size for two-family dwellings in the R-3 District from 20,000 square feet to 10,000 square feet. The proposal does meet gross residential density requirements.

- *Zoning Section 5A-7-3-6(A) – Waiver request to minimum setback requirements.*
 - o Waiver request to modify/reduce the minimum front yard and rear yard setbacks from the required 30’ to 25’ and 18’, respectively.
- *Zoning Section 5A-3-3-8 – Waiver request to open space standard.*
 - o Waiver request to reduce the required percentage of common open space from 25% of the total gross area to 20%.
- *Zoning Section 5A-3-3-9(B) – Waiver request to yards and spaces.*
 - o Waiver request to eliminate the following PUD stipulation: “Buildings of more than 24’ in height shall provide a setback from any property line of not less than equal to the height of such buildings.”

In reference to the minimum setback waiver request, a condition was stipulated in the preliminary approval ordinance. This condition is spelled out below and the resulting front and rear yard setbacks for each lot are also listed:

CONDITION: Applicant revise the preliminary plan in regards to the location of duplexes on Lots 1, 2, 3, 9, 10, and 11. The structures on said lots shall be shifted 2’ towards Woodland Lane, resulting in a front yard setback of 23’ and rear yard setback of 20’ for each lot/duplex. Note the following specified front and rear yard setback for each lot as a result of this condition:

	<u>Front Yard Setback</u>	<u>Rear Yard Setback</u>
Lot 1:	23’	20’
Lot 2:	23’	20’
Lot 3:	23’	20’
Lot 4:	25’	18’
Lot 5:	25’	18’
Lot 6:	25’	18’
Lot 7:	25’	18’
Lot 8:	25’	18’
Lot 9:	23’	20’
Lot 10:	23’	20’
Lot 11:	23’	20’
Lot 12:	25’	18’
Lot 13:	25’	18’
Lot 14:	25’	18’
Lot 15:	25’	18’
Lot 16:	25’	18’
Lot 17:	25’	18’

Staff Review Comments

Staff has reviewed the submittal documents. Included with this memo is a letter from the City Engineer (dated March 13, 2024). The letter includes comments for the applicant to address.

The City’s traffic consultant reviewed the traffic memo submitted during the preliminary planning process and accepted the findings contained within the report. As referenced in the City Engineer Letter, the applicant will be subject to permitting and approval by DuPage County Public Works for the sanitary sewer/lift station and DuPage County Department of Transportation (DuDOT) for

the new roadway cuts off 87TH Street allowing ingress/egress into the subdivision.

Finally, the applicant has fulfilled the other conditions that were specified as part of the preliminary approval. For access to the full set of preliminary plans and the approval ordinance please refer to the City website and access the City Council meeting packet for the November 20, 2023 meeting. This can be found under Reference Desk > Agendas and Minutes > City Council.

PZC MEETING – 04/03/2024

The Planning and Zoning Commission reviewed this petition at its April 3, 2024 meeting. The petitioner was present and provided brief comment on the case, in addition to answering questions. There were a few members of the public that commented. Please refer to the meeting minutes (draft) from the public meeting that are attached to this memo.

Based on testimony and discussion at the meeting, the Planning and Zoning Commission forwarded the case with a favorable recommendation to the Municipal Services Committee by a vote of 5-0, subject to the following condition:

- 1) Applicant complies with comments per City Engineer letter.**

ALTERNATE CONSIDERATION

As recommended/directed by the Municipal Services Committee.

MEETING SCHEDULE

Municipal Services Committee
City Council

April 22, 2024
May 6, 2024



ZONING APPLICATION

RECEIVED
SEP 14 2023

Community Development
City of Darien

CITY OF DARIEN
1702 Plainfield Road, Darien, IL 60561
www.darienil.us 630-852-5000

CONTACT INFORMATION

<u>Woodland Glen Development, LLC</u> Applicant's Name	<u>Maria Sciuillo</u> Owner's Name
<u>6432 Joliet Rd., Ste. B, Countryside, IL 60525</u> Address, City, State, Zip Code	<u>502 Redondo Dr., Unit 408, Downers Grove, IL 60516</u> Address, City, State, Zip Code
<u>(708) 482-0860</u> Telephone	<u>(630) 541-7446</u> Telephone
<u>don.stevens@donvenhomes.com</u> Email	 Email

PROPERTY INFORMATION

<u>2963-2985 W. 87th S⁷ th Street, Darien, IL 60561</u> Property address	<u>10-06-200-004/ 005</u> PIN Number(s)
<u>R-1 Current</u> Zoning District	<u>Single Family Residence</u> Current Land Use(s)

(Attach additional information per the Submittal Checklist.)

REQUEST

Brief description of the zoning approval requested. (Contact the City Planner for guidance.)

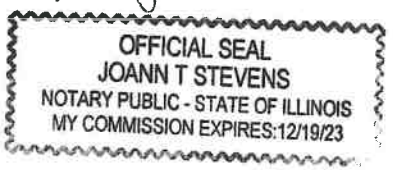
Rezoning from Darien R-1 Single Family Residential to Darien R-3 Special Use PUD including Plat of Subdivision, Variation/Waiver Approval for 34 duplex attached single family residences on 17 lots served with public sanitary sewer and watermain. Variations from R-3 and PUD zoning. Preliminary/Final Plat Approval.

As Notary Public, in and for DuPage County in Illinois, I do hereby certify that Donald A. Stevens is personally known by me to be the same person whose name is subscribed above and has appeared before me this day in person and acknowledged that they have signed this document as their own free and voluntary act, for the purposes therein set forth.
Given under my hand and seal, this 8 day of September 2023.

For office use only	
Date Received:	<u>09/14/2023</u>
Case Number:	<u>P2C2024-02</u>
Fee Paid:	<u>\$425.00</u>
Hearing Date:	<u>04/03/24</u>

MEETING

Joann T. Stevens
Notary Public



CITY OF DARIEN, ILLINOIS, Community Development Department

PLANNED UNIT DEVELOPMENT petition to the Mayor and City Council of the City of Darien:

Staff Use Only
Case No: PZC2024-02
Date Received: 02/26/24
Fee Paid: \$425.00
Check No: 1016
Hearing Date: 04/03/24

PETITIONER INFORMATION

Woodland Glen Development, LLC

Petitioner's Name
Donald A. Stevens

Contact Name
6432 Joliet Rd, ste B, Countryside, IL 60525

Address, City, State, Zip Code
(708) 482-0860

Phone #
(708) 482-0872

Fax #
don.stevens@donvenhomes.com

Email

MEETING

Maria Sciullo as Trustee of the Maria Sciullo Trust dated 3/20/1997

Owner's Name
502 Redondo Drive, Unit 408, Downers Grove, IL 60516

Address, City, State, Zip Code
(630) 541-7446

Phone #
office @claesandclaes.com

Email

PROPERTY INFORMATION

2963-2985 W. 87th St., Darien, IL 60561

Property address
10-06-200-004/-005

PIN(s)
Provide legal description on a separate sheet and attach, such as the plat of survey.

4.59 acres

Acreage
R-1 (current)

Zoning

REQUEST

Woodland Glen

PUD Name
Brief description of the proposed development:
Total 7.34 acres development consisting of 34 duplex attached single family homes on 17 lots, served by public sanitary, sewer and water main located in the City of Darien, IL.

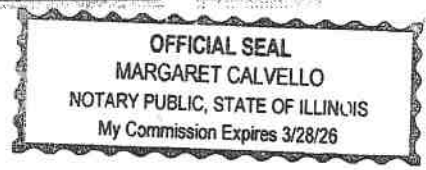
Preliminary PUD PUD Amendment
 Final PUD

I, Maria Sciullo do hereby certify that I am the owner of record (or one of the owners of record or the attorney for the owners of record of the aforesaid described property) and I hereby make application as such.

Maria Sciullo
Signature

Subscribed and sworn to before this 22nd day of February, 2024

Margaret Calvello
Notary Public



CITY OF DARIEN, ILLINOIS, Community Development Department

Plat of Subdivision petition to the Mayor and City Council of the City of Darien:

Staff Use Only
Case No: PZC2024-02
Date Received: 02/26/24
Fee Paid: \$425.00
Check No: 1016
Posting Date: 04/03/24

PETITIONER INFORMATION

Woodland Glen Development, LLC
 Petitioner's Name
 Donald A. Stevens
 Contact Name
 6432 Joliet Road, Ste B., Countryside, IL 60525
 Address, City, State, Zip Code
 708-482-0860
 Phone #
 708-482-0872
 Fax #
 don.stevens@donvenhomes.com
 Email

NEETING
 Maria Sciallo, as Trustee of the
 Maria Sciallo Trust dated
 Owner's Name 3/20/1997
 502 Redondo Drive, Unit 408, Downers Grove, IL 60516
 Address, City, State, Zip Code
 630-541-7446
 Phone #
 office@claesandclaes.com
 Email

PROPERTY INFORMATION

2963-2985 W. 87th St., Darien, IL 60561
 Property address
 10-06-200-004/-005
 PIN(s)

4.59 acres
 Acreage
 R-1 current
 Zoning

REQUEST

Check the following: Preliminary Plat Final Plat

Woodland Glen
 Subdivision Name
 Number of Lots: 17
 Right-of-way (in miles): 0.1725 miles

Minimum Lot Size: 100' x 108'
 Average Lot Size: 12,106 s.f.
 Public or other open space: 66,808 s.f.
 Public ROW 47,157 s.f.

I, Maria Sciallo do hereby certify that I am the owner of record (or one of the owners of record or the attorney for the owners of record of the aforesaid described property) and I hereby make application as such.

Maria Sciallo
 Signature

Subscribed and sworn to before this 2nd day of February, 2024

Margaret Calvello
 Notary Public





ZONING APPLICATION

RECEIVED

SEP 14 2023

Community Development
City of Darien

CITY OF DARIEN

7802 Plainfield Road, Darien, IL 60561
www.darienil.us 630-852-5000

CONTACT INFORMATION

Woodland Glen Development, LLC
Applicant's Name Donald A. Stevens

Julian Saybor
Owner's Name

6432 Joliet Rd., Ste.B, Countryside IL
Address, City, State, Zip Code 60525

2941 W. 87th St., Darien IL 60561
Address, City, State, Zip Code

(708) 482-0860
Telephone

(630) 910-7000
Telephone

don.stevens@donvenhomes.com
Email

Email

PROPERTY INFORMATION

2941 W. 87th St., Darien IL 60561
Property address

10-06-200-006
PIN Number(s)

R-1 (current)
Zoning District

Single Family Residence
Current Land Use(s)

(Attach additional information per the Submittal Checklist.)

REQUEST

Brief description of the zoning approval requested. (Contact the City Planner for guidance.)

Rezoning from Darien R-1 Single Family residential to Darien R-3 Special Use PUD including Plat of Subdivision, Variation/Waiver Approval for 34 duplex attached single family residences on 17 lots served with public sanitary, sewer and water main. Variations from R-3 and PUD zoning. Preliminary/Final Plat Approval.

As Notary Public, in and for DuPage County in Illinois, I do hereby certify that Donald A. Stevens is personally known by me to be the same person whose name is subscribed above and has appeared before me this day in person and acknowledged that they have signed this document as their own free and voluntary act, for the purposes therein set forth. Given under my hand and seal, this 8 day of September 2023

For office use only	
Date Received:	09/14/2023
Case Number:	PZC2024-02
Fee Paid:	\$425.00
Hearing Date:	09/03/24

MEETING

Joann T. Stevens
Notary Public



CITY OF DARIEN, ILLINOIS, Community Development Department

PLANNED UNIT DEVELOPMENT petition to the Mayor and City Council of the City of Darien:

Staff Use Only	
Case No.:	PZC2024-02
Date Received:	03/14/24
Fee Paid:	\$425.00
Check No.:	1016
Date:	04/03/24

MEETING

PETITIONER INFORMATION

Woodland Glen Development, LLC
Petitioner's Name

Julian Saybor
Owner's Name

Donald A. Stevens
Contact Name

2941 W. 87th Street, Darien, IL 60561
Address, City, State, Zip Code

6432 Joliet Rd., Ste B, Countryside, IL 60525
Address, City, State, Zip Code

(630) 910-7000
Phone #

(708) 482-0872
Phone #

Email

(708) 482-0872

Fax #

don.stevens@donvenhomes.com
Email

PROPERTY INFORMATION

2941 W. 87th Street, Darien, IL 60561
Property address

2.75 acres
Acreage

10-06-200-006

R-1 (current)
Zoning

PIN(s)

Provide legal description on a separate sheet and attach, such as the plat of survey.

REQUEST

Woodland Glen
PUD Name

Preliminary PUD PUD Amendment

Brief description of the proposed development:

Final PUD

Total 7.34 acre development consisting of 34 duplex attached single family homes on 17 lots, served by public sanitary, sewer and watermain located in the City of Darien, IL.

I, Julian Saybor, do hereby certify that I am the owner of record (or one of the owners of record or the attorney for the owners of record of the aforesaid described property) and I hereby make application as such.

Signature

Subscribed and sworn to before this 13th day of MARCH 2024

Notary Public



CITY OF DARIEN, ILLINOIS, Community Development Department

Plat of Subdivision petition to the Mayor and City Council of the City of Darien:

Staff Use Only	
Case No.:	PZC2024-02
Date Received:	03/14/24
Fee Paid:	\$425.00
Check No.:	1016
Hearing Date:	04/03/24

MEETING

PETITIONER INFORMATION

Woodland Glen Development, LLC
 Petitioner's Name

Donald A. Stevens
 Contact Name

6432 Joliet Rd., Ste. B, Countryside, IL 60525
 Address, City, State, Zip Code

(708) 482-0860
 Phone #

(708) 482-0872
 Fax #

don.stevens@donvenhomes.com
 Email

Julian Saybor
 Owner's Name

2941 W. 87th St., Darien, IL 60561
 Address, City, State, Zip Code

630-910-7000
 Phone #

Email

PROPERTY INFORMATION

2941 W. 87th St., Darien, IL 60561
 Property address

10-06-200-006
 PIN(s)

2.75 acres
 Acreage

R-1 (current)
 Zoning

REQUEST

Check the following: Preliminary Plat

Final Plat

Woodland Glen
 Subdivision Name

Number of Lots: 17

Right-of-way (in miles): 0.1725 miles

Minimum Lot Size: 100' x 108'

Average Lot Size: 12,106 s.f.

Public or other open space: 66,808 s.f.

Public ROW : 47,157 s.f.

I, Julian Saybor do hereby certify that I am the owner of record (or one of the owners of record or the attorney for the owners of record of the aforesaid described property) and I hereby make application as such.

Signature

Subscribed and sworn to before this 13th day of MARCH, 2024

Eileen B. Luzzo
 Notary Public



Woodland Glen Residential Development
87th Street – ¼ Mile West of Lemont Road
Darien, Illinois

The proposed Woodland Glen residential development will consist of 34 duplex single family homes, with 2 homes on each of the 17 residential lots. The proposed site will be located directly on the south side of 87th Street, approximately ¼ mile west of Lemont Road.

Woodland Glen will be an upscale, maintenance free residential community, featuring larger ranch style homes with full basements, featuring both “look out” and “walk out” option.

The proposed site for Woodland Glen is on 7.34 acres of land, currently consists of 3 separate parcels owned by 2 different individuals. The property is currently zoned R-1 single family residential, and contains 2 older single family homes. The current homes are served by well and septic systems.

The existing homes on the properties are scheduled for demolition prior to the Woodland Glen site improvements being started. The Woodland Glen development will be rezoned as an R-3 PUD residential community, with utilities served by the City of Darien for public water and DuPage County for sanitary sewers. All utility improvements required for Woodland Glen will be installed by the developer.

The existing uses on 87th Street and Lemont Road contains mixed uses, including commercial, multi-family residential and some residential properties, the majority of residential homes do not face 87th Street. Accordingly, the Woodland Glen development will not adversely impact the essential character of the 87th Street, and will be a positive addition to the corridor.

There will be no adverse effects on the adjoining properties, with open side yards between the groupings of homes allowing for the free flow of light and air through the development and the adjoining properties. The development will have a negligible increase of traffic on 87th Street, and allows for the free movement of all police and fire equipment. Working with Darien Staff, the development provides for proper ingress and egress for the development off of 87th Street .

The proposed ranch homes at Woodland Glen, with “walk out” or “look out” basements, are perfectly suited for this site, as the land slopes increasingly to the south, away from 87th Street, so drainage will not be an issue or negatively impact the area. The trend of development along major signalized roadways like 87th Street in this area is towards either commercial development, or higher density multi-family developments. Woodland Glen will therefore offer the best transitional residential zoning from the much higher densities likely to come from the Woodridge zoning areas immediately to the west. The Woodland Glen development will help stabilize and increase the remaining property values in Darien along 87th Street.

The Woodland Glen development will have the highest quality architectural design, blending this transitional residential area into the neighboring community. The proposed landscaping will provide a positive environment to the homeowners in the development, and the neighboring community. All utilities will be approved by the City of Darien and DuPage County, providing a

benefit to the future homeowners, but also for the future development of the 87th Street corridor in Darien.

The Woodland Glen development will be a positive addition to the City of Darien, and offers the best transitional residential density along the 87th Street corridor in Darien.

The Woodland Glen development will conform to all Darien codes and regulations, except those where the City of Darien will be granting a variance or change from its Zoning Code.

1. Permitted reduction to the required right of way width for minor streets to fifty (50) feet from the sixty-six (66) feet as established in Title 5B, Chapter 1, Section 5B-1-7(b)6.
2. Permitted reduction to the required pavement width for minor streets to twenty seven (27) feet from thirty (30) feet as established in Title 5B, Chapter 1, Section 5B-1-7(B)6.
3. Permitted reduction to a minimum lot size of 10,000 square feet, in lieu of the 20,000 square foot R-3 Zoning requirement, is met under PUD regulations, Title 5A, Chapter 3, Section 5A-3-3-4(A). The maximum R-3 residential zoning units per gross residential acre is 7.0, while the Woodland Glen development is only at 4.63 units per gross acre as proposed.
4. Permitted reductions to the minimum Front and Rear yard setbacks to twenty-five feet (25') and eighteen feet (18') from thirty (30) feet established in R-3 Zoning, is considered met under PUD Regulations, Title 5A, Chapter 3, Section 5A-3-3-9(A): *“Required yard or setbacks ... may receive up to fifty percent (50%) of the standards set forth in the underlying zoning districts ...”*
5. Permitted reduction to common open space to twenty percent (20%) from twenty-five percent (25%) established in PUD Regulations, Title 5A, Chapter 3, Section 5A-3-3-8, which states: *“This requirement may be partially or totally waived by the City Council whenever a substantial amount of the land of the planned unit development is proposed for development as single-family residential units.”*
6. Permitted elimination of PUD Regulation, Title 5A, Chapter 3, Section 5A-3-3-9(B) which states: *“Buildings of more that twenty-four feet (24') in height shall provide a setback from any property line not less than equal to the height of such building.”* The required yards shall meet the applicable Sections of the R-3 Zoning requirement, PUD Regulations and/or as noted in 4 above.
7. Permitted reduction to the required horizontal roadway centerline curve radius for minor streets to fifty-three and one half feet (53.5') from one hundred fifty feet (150') as established in Title 5B, Chapter 1, Section 5B-1-8(G)1(a).

GENERAL NOTES

1. EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROLS SHOWN ON THESE DRAWINGS WERE OBTAINED FROM A SURVEY PREPARED BY:

V3 COMPANIES, LTD.
7325 JAMES AVENUE
WOODRIDGE, IL 60517

COPIES OF THE SURVEY ARE AVAILABLE FROM THE SURVEYOR. SITE CONDITIONS MAY BE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH THE CURRENT CONDITIONS.

2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN.

3. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL AND STARTING WORK.

4. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.

5. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREES TO HOLD HARMLESS V3 COMPANIES, LTD., THE MUNICIPALITY, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTORS PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE OWNER OF THE ROADWAY.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND SIGNALS TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE DOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

8. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:

- "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY DOT, LATEST EDITION.
- "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION.
- ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE ILLINOIS STATE BOARD OF SANITATION.
- THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE CITY OF DARIEN.
- THE NATIONAL ELECTRIC CODE.
- THE ILLINOIS ACCESSIBILITY CODE.
- CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS AS PUBLISHED BY THE EPA. TESTING OF SOILS BEING EXPORTED FROM THE SITE AND APPROPRIATE DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITE WORK ISSUES DESIGNED BY THE ENGINEER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

9. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO COMMENCING ANY WORK AND FOR ANY NEW CONSTRUCTION REQUIRING INSPECTION.

10. ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND SHALL BE PROTECTED PER IDOT STANDARDS. THE RIGHT-OF-WAY LINE AND LIMITS OF THE CONTRACTORS OPERATIONS SHALL BE CLEARLY DEFINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL TREES IDENTIFIED TO REMAIN SHALL BE PROTECTED FROM DAMAGE INCLUDING TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.

11. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A MANNER AS TO PREVENT ACCUMULATION OF MUD OR SOIL ON PUBLIC THOROUGHFARES. AT THE END OF EACH DAY AND AT THE END OF EACH WEEK, THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND AS DETAILLED IN THE STORM WATER POLLUTION PREVENTION PLAN.

12. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIGHER OPERATIONS AFFECT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY IN ACCORDANCE WITH THE CITY OF DARIEN MUNICIPAL CODE AND IDOT REQUIREMENTS.

13. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.

14. ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL.

15. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AS PART OF THE BASE CONTRACT.

16. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.

17. FOR REGULATED UTILITY LOCATIONS, THE CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS, "JULIE" AT 1-800-892-0123. LOCAL GOVERNMENT AGENCIES SHOULD BE CONTACTED BY THE CONTRACTOR FOR LOCATION OF ALL NONREGULATED UTILITY LOCATIONS. CALL FOR LOCATES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.

18. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WOULD REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.

19. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS DETAILLED IN THE STORM WATER POLLUTION PREVENTION PLAN.

21. ALL CURB RADI REFER TO BACK OF CURB.

22. ANY AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN CONFORMANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND SHALL BE INCIDENTAL TO THE CONTRACT.

23. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE MUNICIPALITY OR DOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.

24. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.

25. CAD FILES ARE AVAILABLE FOR CONSTRUCTION LAYOUT UPON REQUEST.

26. BACKFILL SHALL BE PLACED NEXT TO THE CURB AS SOON AS PERMISSIBLE AFTER CONSTRUCTION TO PREVENT SCOURING AND UNDERCUTTING BY STORM WATER RUNOFF.

27. BUTT JOINTS SHALL BE PROVIDED WHEREVER NEW PAVEMENT ABUTS EXISTING PAVEMENT. ALL BUTT JOINTS SHALL BE CONSTRUCTED BY MILLING AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE BITUMINOUS SURFACE COURSE.

28. WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO CONSTRUCTION, THE DRAINAGE ROUTE SHALL BE REESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

29. PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

30. FINAL ADJUSTMENT OF FIRE HYDRANTS, VALVE VAULTS AND MANHOLES TO FINISHED GRADE ARE INCIDENTAL TO THEIR COST.

31. ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT ARE TO BE ADJUSTED OR RECONSTRUCTED BY THE CONTRACTOR TO THE UTILITY OWNERS SATISFACTION. ADJUSTMENTS OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

32. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNER.

33. PROVIDE TRENCH BACKFILL IN ACCORDANCE WITH THE DETAILS OF THE PLANS FOR ALL UTILITY LINES (OR AS OTHERWISE NOTED ON PLANS). BACKFILL SHALL BE PLACED AND COMPACTED PER THE CITY OF DARIEN AND IDOT SPECIFICATIONS. COST OF BACKFILL IS TO BE CONSIDERED INCIDENTAL TO THE UTILITY WORK.

34. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

35. PRIOR TO DEMOLITION, ALL WORK SHALL BE CLEANED AND INSPECTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

36. THE GENERAL CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE CABLE TV, PHONE, ELECTRIC, GAS AND IRRIGATION SERVICES. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SITE LAYOUTS FOR THESE UTILITIES AND SHALL COORDINATE AND PROVIDE CONDUIT CROSSINGS AS REQUIRED. THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

37. BAND-SEAL CONNECTORS OR EQUIVALENT SHALL BE USED TO JOIN PIPES OF DISSIMILAR MATERIAL.

38. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL CONSTRUCTION IN CONFORMANCE WITH ALL MUNICIPAL AND CLIENT REQUIREMENTS FOR USE IN PREPARING RECORD DRAWINGS.

39. THE SUBCONTRACTOR SHALL INSTALL A 2"x4" POST ADJACENT TO THE TERMINUS OF UTILITY MAINS AND SERVICE LINES. POSTS SHALL BE MARKED IN ACCORDANCE WITH THE CITY STANDARDS.

40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION, ANY DEWATERING REQUIRED SHALL BE INCIDENTAL TO THE CONTRACT.

41. COPIES OF SOILS INVESTIGATION REPORTS MAY BE OBTAINED FROM THE OWNER. ANY BRACING, SHEETING OR SPECIAL CONSTRUCTION METHODS REQUIRED IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT. ANY ADDITIONAL SOILS DATA NEEDED TO CONFIRM THE CONTRACTORS OPINIONS OF THE SUBSOIL CONDITIONS SHALL BE DONE AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN AUTHORIZATION TO ACCESS THE SITE TO CONDUCT A SUPPLEMENTAL SOILS INVESTIGATION.

42. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE SUBCONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

43. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIGHER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

LEGEND

EXISTING	PROPOSED

ABBREVIATIONS

DESCRIPTION	NO.	DATE
A		
B-B		
B/C		
BLDG		
BM		
B/P		
BV/VV		
C & G		
C/B		
CL		
CLD		
CD		
DIP		
DIA		
DIWM		
DWG		
E		
EJ		
ELEV		
EP		
EX		
F & CL		
F & G		
F & O/L		
F/E		
F-F		
FF		
FG		
FH		
FL		
G		
GV/VB		
H		
HDCP		
HDPE		
HDW		
HOR		
HP		
HWL		
IE		
IL		
LF		
LP		
L		
ME		
MH		
MW		
N		
NC		
NWL		
OC		
OL		
PC		
PCC		
PGL		
PI		
PL		
PP		
PRC		
PT		
PUE		
PVC		
PVI		
PVT		
R		
RCP		
ROW		
S		
SAN		
SF		
SFM		
SHT		
SHW		
SMH		
STA		
ST		
STMH		
T		
T/C		
TIP		
T/W		
TY		
TYE		
UP		
VC		
VERT		
VCP		
W		
WM		

GENERAL NOTES LEGEND AND
ABBREVIATIONS
WOODLAND GLEN - DARIEN
ILLINOIS



7325 James Avenue
Woodridge, IL 60517
800-724-0800 phone
www.v3co.com

DRAWING NO.
1.0

SPECIFICATIONS

EARTHWORK

- THE GRADING OPERATIONS ARE TO BE INSPECTED BY A THIRD PARTY SOILS ENGINEER. THE CONTRACTOR'S REPRESENTATIVE MUST BE NOTIFIED PRIOR TO ANY UNSUITABLE SOIL REMOVAL AND MUST APPROVE, IN WRITING, ANY REMEDIATION. BOTH THE CONTRACTOR AND SOILS ENGINEER MUST BE PRESENT DURING REMEDIATION.
- THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF 6 INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE. ELEVATIONS ARE ACHIEVED, UNLESS OTHERWISE NOTED, AREAS IN DETENTION FACILITIES NOTED TO BE ESTABLISHED WITH NATIVE VEGETATION SHALL REQUIRE A MINIMUM OF 12 INCHES OF TOPSOIL. REFER TO PLANTING PLANS TO VERIFY TOPSOIL THICKNESS REQUIREMENTS.
- THE SURFACE VEGETATION, TOPSOIL, TRANSITIONAL MATERIAL, AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE STRUCTURAL FILL. IF THE UNDERLYING SUBGRADE IS FOUND TO BE UNSUITABLE FOR PROPER COMPACTION, CONTRACTOR TO CONSULT WITH SOILS ENGINEER PRIOR TO REMEDIATION.
- EMBANKMENT MATERIAL WITHIN ROADWAY, DRIVEWAY, BUILDING AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D1557 (MODIFIED PROCTOR METHOD), OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER, THE AUTHORITY HAVING JURISDICTION, AND THE CONTRACTOR.
- ALL PAVEMENT SUBGRADE SHALL MEET THE REQUIREMENTS DETERMINED BY THE SOILS ENGINEER AND DOCUMENTED IN THE GEOTECHNICAL REPORT. IF AREAS OF PAVEMENT SUBGRADE ARE UNDESIGNED WHICH DO NOT MEET THESE REQUIREMENTS, SUBGRADE REPLACEMENT OR PAVEMENT DESIGN REVISIONS SHALL BE PROVIDED WHICH ARE ADEQUATE TO OBTAIN EQUIVALENT PAVEMENT STRENGTH AS DETERMINED BY THE ENGINEER, SOILS ENGINEER, AND THE AUTHORITY HAVING JURISDICTION.
- COMPLETED GRADING (FINISHED FINE GRADE) FOR PROPOSED PAVEMENT SUBGRADE AREAS, BUILDING PADS, AND OPEN SPACE AREAS SHALL BE WITHIN A ±1% TOLERANCE OF DESIGN SUBGRADE.
- THE SUBGRADE FOR PROPOSED STREET AND PAVEMENT AREAS SHALL BE PROOF-ROLLED BY THE SUBCONTRACTOR IN THE PRESENCE OF THE JURISDICTIONAL INSPECTOR, CONTRACTOR, AND SOILS ENGINEER.
- BORROW PIT LOCATIONS SHALL BE APPROVED BY THE OWNER, ENGINEER, AND GEOTECHNICAL ENGINEER.

SANITARY SEWER

- SANITARY SEWERS SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS:
 - POLYVINYL CHLORIDE PLASTIC SEWER PIPE (PVC) CONFORMING TO ASTM D2241 WITH AN SDR OF 26 WITH ELASTOMETRIC GASKET JOINTS CONFORMING TO ASTM D3139.
 - DUCTILE IRON PIPE, CLASS 52, CONFORMING TO ANSI A21.51 (AWWA C151) WITH JOINTS CONFORMING TO ANSI 21-11 (AWWA C-111).
- MANHOLES SHALL BE PRECAST CONCRETE STRUCTURES, WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAIL SHEETS). LIDS SHALL BE IMPRINTED "SEWER".
- ALL SANITARY SEWER SHALL BE TESTED FOR LEAKAGE AND DEFLECTION IN ACCORDANCE WITH SECTION 31-1.12 AND 31-1.13 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.
- ALL SANITARY MANHOLES SHALL BE TESTED FOR WATER TIGHTNESS IN ACCORDANCE WITH ASTM C995 OR ASTM C1244.
- CONTRACTOR SHALL VERIFY THAT THE TESTING METHODS DESIGNATED HEREIN ARE ACCEPTABLE TO LOCAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT. IF THE LOCAL JURISDICTION HAS MORE STRINGENT TESTING REQUIREMENTS THE CONTRACTOR SHALL ADHERE TO THE MORE STRINGENT REQUIREMENTS. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.

WATERMAIN DISTRIBUTION SYSTEM

- WATER MAIN SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIAL AS SPECIFIED ON THE PLANS:
 - DUCTILE IRON PIPE, CLASS 52 CONFORMING TO ANSI A21.51, AWWA C-151 WITH CEMENT LINING CONFORMING TO ANSI A21.4, AWWA C-154 AND PUSH-ON JOINTS CONFORMING TO ANSI A21.11, AWWA C-111. FITTINGS SHALL COMPLY WITH ANSI A21.10, AWWA C110. ALL DUCTILE IRON PIPE SHALL BE WRAPPED IN POLYETHYLENE IN ACCORDANCE WITH AWWA C105.
 - POLYVINYL CHLORIDE PIPE, PVC CONFORMING TO ASTM C-900, WITH ELASTOMETRIC GASKET JOINTS CONFORMING TO ASTM D3139.
 - WATER SERVICE LINES SHALL BE CONSTRUCTED OF CLASS K COPPER.

- MINIMUM COVER OVER WATER MAIN SHALL BE 5' - 6" FROM FINISHED GRADE TO TOP OF PIPE.
- VALVE VAULTS SHALL BE USED AT ALL VALVE LOCATIONS WHERE WATER MAIN IS 8" DIAMETER OR LARGER. VAULTS SHALL BE PRECAST CONCRETE STRUCTURES, WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAIL SHEETS). LIDS SHALL BE IMPRINTED "WATER".
- THRUST BLOCCING OR RESTRAINED JOINTS SHALL BE INSTALLED ON WATER MAINS AT ALL BENDS, TEES, ELBOWS, ETC. AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. COST OF SAME SHALL BE INCIDENTAL TO THE UNIT PRICE FOR PIPE INSTALLED.
- WATER MAIN FITTINGS (BENDS, ELBOWS, TEES, INCREASES, REDUCERS, ETC.) MAY OR MAY NOT BE SPECIFICALLY REFERENCED ON THE CONSTRUCTION PLANS. THEY ARE TO BE CONSIDERED AS INCIDENTAL AND INCLUDED IN THE LINEAL FOOTAGE COST OF THE WATER MAIN.
- ALL WATER LINES ARE TO BE PRESSURE TESTED AND CHLORINATED PER THE REQUIREMENTS OF THE MUNICIPALITY AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

STORM SEWER

- STORM SEWERS SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS:
 - REINFORCED CONCRETE PIPE (RCP) IN CONFORMANCE WITH DOT STANDARD SPECIFICATIONS DETERMINATION FOR PIPE CLASS, AND CONFORMING TO ASTM C76. ALL STORM SEWER SHALL HAVE GASKET JOINTS CONFORMING TO ASTM C-381, UNLESS OTHERWISE NOTED.
 - POLYVINYL CHLORIDE PLASTIC SEWER PIPE (PVC) CONFORMING TO ASTM D3034 WITH ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM D3212.
 - HIGH DENSITY POLYETHYLENE PIPE, HDPE, CONFORMING TO ASTM D3330 WITH ELASTOMERIC JOINTS CONFORMING TO ASTM D3212.
 - DUCTILE IRON PIPE, CLASS 52, CONFORMING TO ANSI A21.51 (AWWA C151) WITH JOINTS CONFORMING TO ANSI 21-11 (AWWA C-111).
- STORM SEWER STRUCTURES SHALL BE PRECAST OF THE TYPE AND DIAMETER AS SPECIFIED IN THE PLANS WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAIL). LIDS SHALL BE IMPRINTED "STORM".

IEPA CROSSING REQUIREMENTS

- HORIZONTAL SEPARATION:**
 - WATERMANS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER OR SEWER SERVICE CONNECTION.
 - WATERMANS MAY BE LAID CLOSER THAN TEN FEET TO A SEWER LINE WHEN:
 - LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET.
 - THE WATERMAIN IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER, AND
 - THE WATERMAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.
 - BOTH THE WATERMAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 653.111 WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.
- VERTICAL SEPARATION:**
 - A WATERMAIN SHALL BE LAID SO THAT ITS INVERT IS 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATERMANS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN TEN FEET HORIZONTALLY OR ANY SEWER OR DRAIN CROSSED. LENGTH OF WATERMAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.
 - BOTH THE WATERMAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE MEETING REQUIREMENTS OF SECTION 653.111 WHEN:
 - IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A) ABOVE, OR
 - THE WATERMAIN PASSES UNDER A SEWER DRAIN.
 - A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED WHERE A WATERMAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATERMAIN.

D. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATERMAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.

PAVING


- BASE COURSE SHALL BE AGGREGATE BASE COURSE, CONFORMING TO DOT STANDARD SPECIFICATIONS (SEE PLANS FOR THICKNESS).
- SURFACE COURSE AND BINDER COURSE SHALL BE HOT MIX ASPHALT (HMA) CONFORMING TO DOT STANDARD SPECIFICATIONS (SEE PLANS FOR THICKNESS).
- CURB & GUTTER AND SIDEWALK SHALL BE CLASS SI PORTLAND CEMENT CONCRETE CONFORMING TO IDOT STANDARD SPECIFICATIONS.
- SUBGRADE SHALL BE FINISHED TO BE WITHIN 0.1 FEET OF DESIGN SUBGRADE ELEVATIONS BY THE EARTHWORK CONTRACTOR. FINE GRADING FOR PAVEMENTS AND SIDEWALKS SHALL BE THE RESPONSIBILITY OF THE PAVING CONTRACTOR.
- AGGREGATE BASE COURSES SHALL BE PRIMED AT THE RATE OF 0.25 TO 0.50 GALLONS PER SQUARE YARD AND BRICK, CONCRETE, OR HMA BASES SHALL BE PRIMED AT THE RATE OF 0.05 TO 0.10 GALLONS PER SQUARE YARD WITH LIQUID ASPHALT CONFORMING TO THE IDOT STANDARD SPECIFICATIONS AND APPROPRIATE FOR PREVAILING WEATHER AND SITE CONDITIONS. PRIME COAT AND CLEANING THE EXISTING SURFACE SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- PAVEMENT SHALL BE CONSTRUCTED ON A THOROUGHLY COMPACTED SUBGRADE MEETING THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. PRIOR TO PLACEMENT OF THE NEW PAVEMENT, THE SUBGRADE SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK (MINIMUM 20 TONS) PROOF ROLLING SHALL BE WITNESSED BY THE GEOTECHNICAL CONSULTANT.
- SIDEWALKS SHALL BE OF THE THICKNESS AND DIMENSIONS AS SHOWN IN THE CONSTRUCTION PLANS. CONTRACTION JOINTS SHALL BE SET AT 9' CENTERS AND 3/8" INCH PREMOULDED FIBER EXPANSION JOINTS SHALL BE SET AT 50' CENTERS AND WHERE THE SIDEWALK MEETS THE CURB, A BUILDING, OR AT THE END OF EACH POUR, ALL SIDEWALKS CONSIDERED TO BE ACCESSIBLE ROUTES AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE SUBJECT TO ILLINOIS ACCESSIBILITY CODE (IAC) REQUIREMENTS, UNLESS OTHERWISE NOTED.
- TESTING OF THE SUBBASE, BASE COURSE, BINDER COURSE, SURFACE COURSE, AND CONCRETE WORK SHALL BE REQUIRED IN ACCORDANCE WITH DOT STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. A QUALIFIED TESTING FIRM SHALL BE EMPLOYED TO PERFORM THE REQUIRED TESTS.
- ASPHALT JOINTS FOR BINDER AND SURFACE COURSES ARE TO BE STAGGERED.

REVISIONS	NO.	DATE	DESCRIPTION
PROJECT NO.	220945	WG2	ORIGINAL ISSUE DATE: 02-28-2024
	220945	WG2	
PROJECT MANAGER	SAK	DATE	
DRAWN BY		DATE	
CHECKED BY		DATE	
DESIGNED BY		DATE	
ILLINOIS		DATE	

SPECIFICATIONS

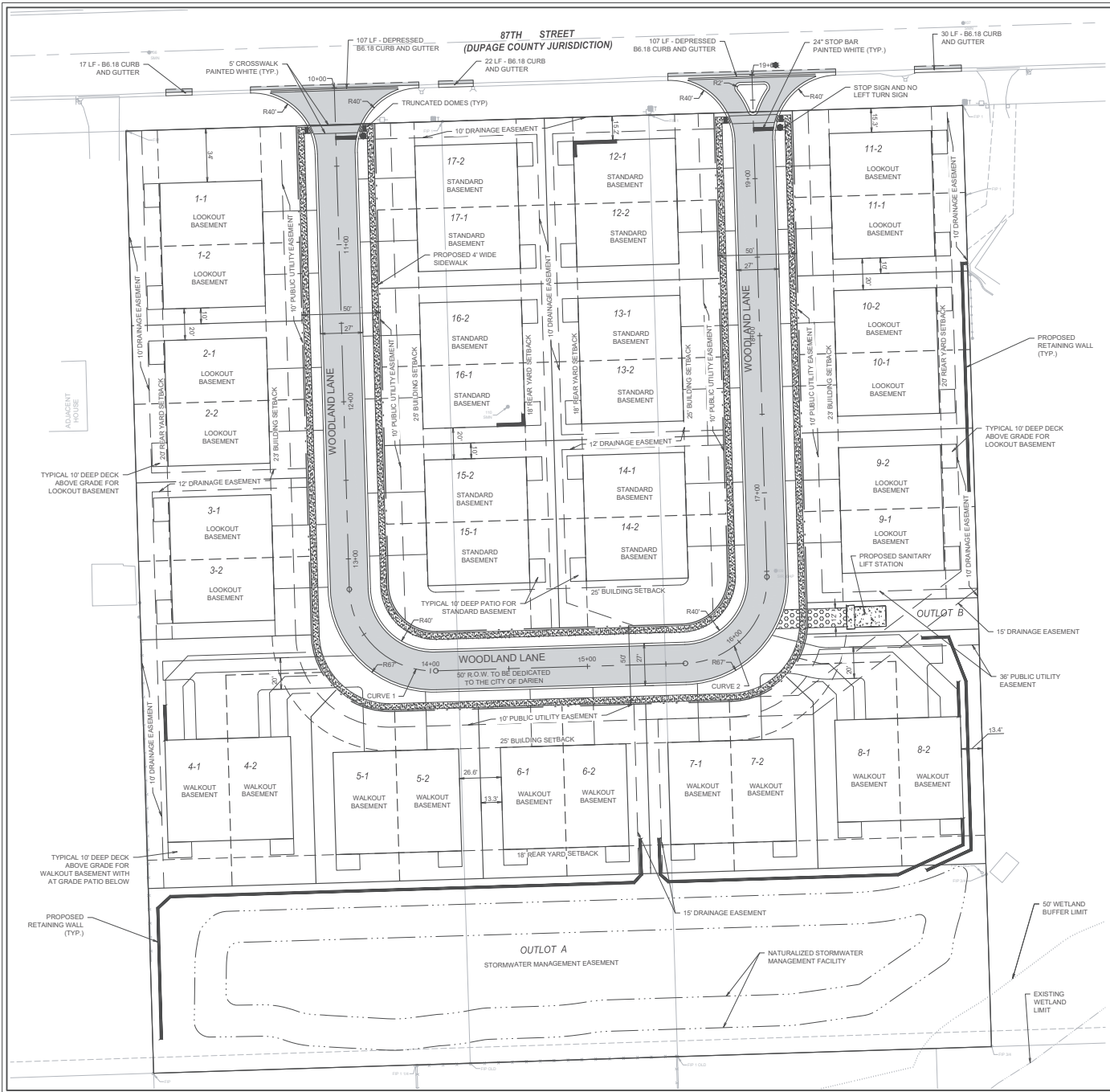
WOODLAND GLEN - DARIEN

DARIEN



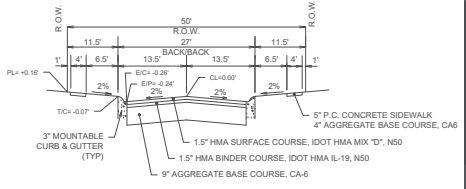
1324 Jones Avenue
Woodstock, IL 60517
800.724.8200 phone
www.wg2.com

DRAWING NO.
1.1



- NOTES:**
- BUILDING DIMENSIONS SHOWN ARE TO OUTSIDE FACE OF BUILDING FOUNDATION UNLESS OTHERWISE NOTED.
 - ON-STREET PARKING SHALL BE LIMITED TO ONE SIDE ONLY.
 - ALL CURBS AND GUTTER SHALL BE 3" MOUNTABLE UNLESS OTHERWISE NOTED.
 - FOR LOT DIMENSIONS AND LOT AREAS, SEE THE FINAL PLAT OF SUBDIVISION PREPARED BY V3 COMPANIES.

TYPICAL ROAWAY SECTION:



PAVEMENT LEGEND

- HMA PAVEMENT**
- 1.5" HMA SURFACE COURSE, MIX D N50
 - 1.5" HMA BINDER COURSE, IL-19, N50
 - 9" AGGREGATE BASE COURSE, CA-6
- CONCRETE SIDEWALK**
- 5" P.C. CEMENT CONCRETE PAVEMENT
 - 4" COMPACTED AGGREGATE BASE COURSE, CA-6
 - TYPICAL BROOMED FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.
- GRASS PAVERS**
- TURFSTONE GRASS PAVER SYSTEM
 - SEE DETAIL ON B-2
- CONCRETE PAVEMENT**
- 6" P.C. CEMENT CONCRETE PAVEMENT
 - WITH 60%#2 SH#2.3 W.W.F.
 - 4" COMPACTED AGGREGATE BASE COURSE, CA-6

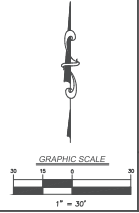
CURVE TABLE

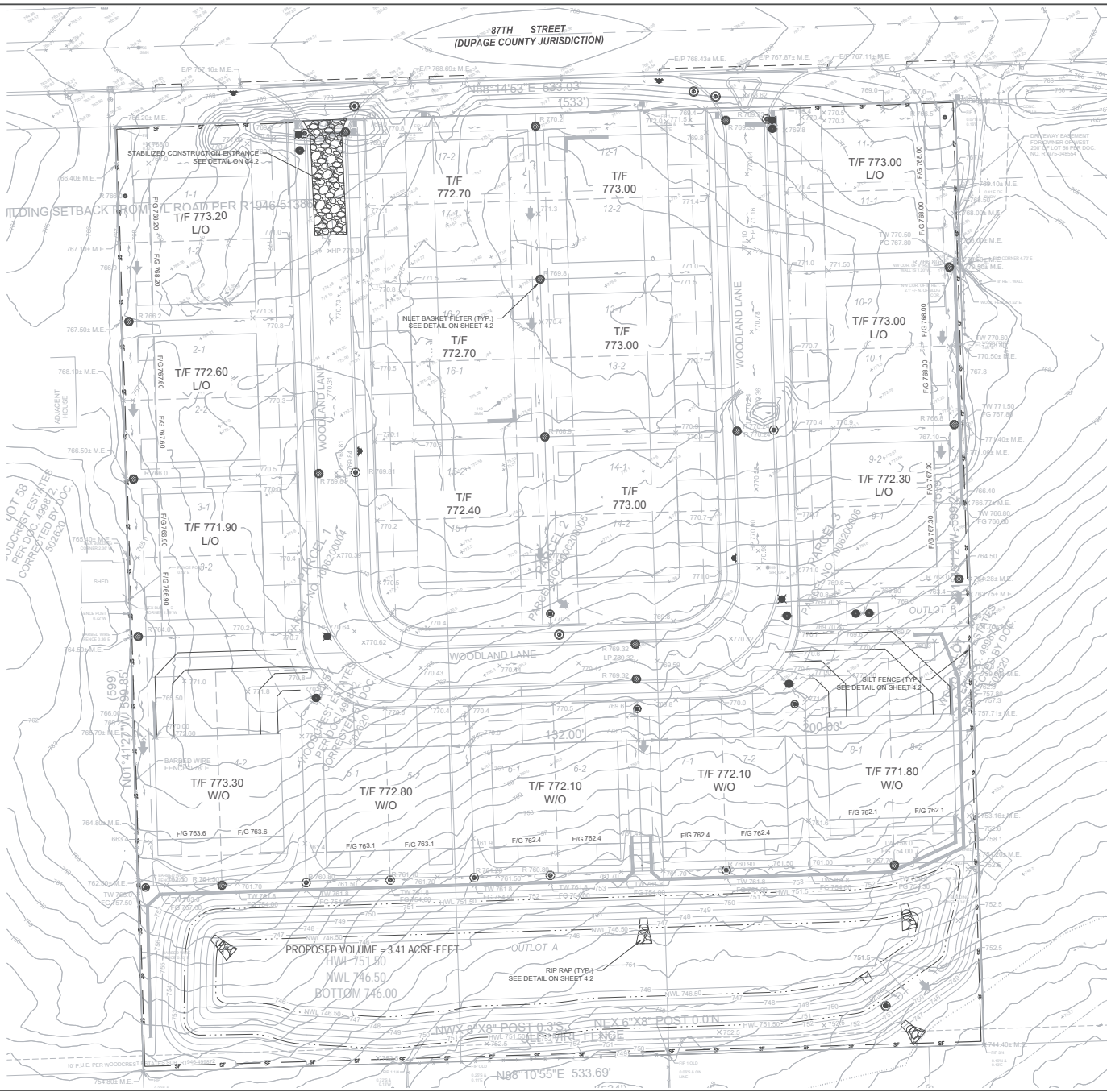
CURVE	P.I. DATA	P.C. DATA	P.T. DATA	CHORD DATA	CURVE DATA
CURVE 1	P.I. STA. 13+72.50	P.C. STA. 13+19.40	P.T. STA. 14+03.44	ANGLE: S46°42'43"E DISTANCE: 75.66	LENGTH: 84.04 RADIUS: 53.50
CURVE 2	P.I. STA. 16+15.94	P.C. STA. 15+62.44	P.T. STA. 16+46.47	ANGLE: N43°17'17"E DISTANCE: 75.66	LENGTH: 84.04 RADIUS: 53.50

ORIGINAL ISSUE DATE: 02-26-2024
 PROJECT NO: 220845.WG2
 PROJECT MANAGER: [blank]
 CHECKED BY: [blank]
 DRAWN BY: [blank]

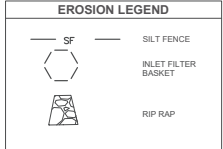
LAYOUT PLAN
WOODLAND GLEN - DARIEN
 DARIEN, ILLINOIS

DRAWING NO: **3.0**





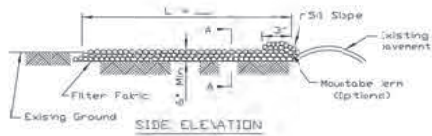
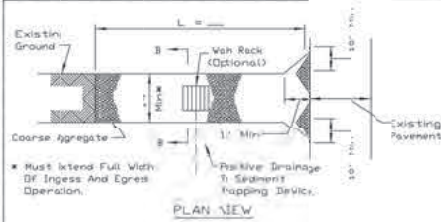
- EROSION CONTROL NOTES:**
- CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF WORK.
 - CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
 - CONTRACTOR TO INSTALL INLET PROTECTION ON ALL OPEN LID STRUCTURES. SEE INLET PROTECTION DETAIL ON SHEET 4.2.
 - EROSION CONTROL BLANKET (HOLLAMX ERONET S150 OR APPROVED EQUAL) SHALL BE PLACED ON ALL AREAS WITH SIDE SLOPES OF 4:1 OR GREATER, AND IN BOTTOM AND SIDE SLOPES OF SWALES WHERE NOTED.
 - ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED.
 - THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY S3 COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE ILEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.



EROSION CONTROL PLAN WOODLAND GLEN - DARIEN DARIEN ILLINOIS	PROJECT NO: 220845.WG2 PROJECT MANAGER: SAK REVIEWED BY: JAK DRAWN BY: NRS	ORIGINAL ISSUE DATE: 02-28-2024 NO. DATE DESCRIPTION
	1324 Jones Avenue Wood Dale, IL 60517 800.724.8200 phone www.vic.gov.com	DRAWING NO: 4.1



STABILIZED CONSTRUCTION ENTRANCE PLAN



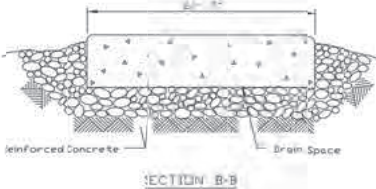
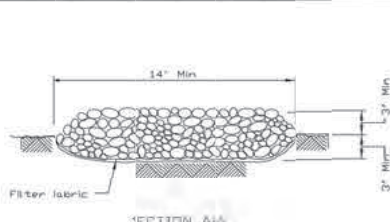
- NOTES:
1. Filter fabric shall meet the requirements of material specification 592 EOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or retained aggregate shall meet one of the following IDT coarse aggregate gradations, 64-1, 64-2, 64-3 or 64-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and less III connection.
 3. Any drainage facilities required upstream of washing shall be constructed according to manufacturer's specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	DESIGNED	CHECKED	APPROVED
Project	Site	Site	Site



STANDARD SPEC. NO.	11-2-8
SHEET 1 OF 2	
DATE	9-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN

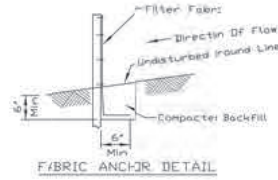
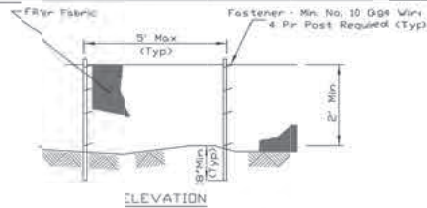


REFERENCE	DESIGNED	CHECKED	APPROVED
Project	Site	Site	Site



STANDARD SPEC. NO.	IL-630
SHEET 2 OF 4	
DATE	9-9-94

SILT FENCE PLAN



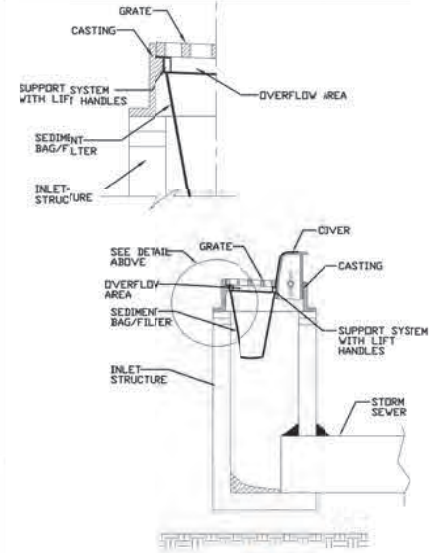
- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 or woven.
 3. Fenceposts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE	DESIGNED	CHECKED	APPROVED
Project	Site	Site	Site



STANDARD SPEC. NO.	IUM-20A
SHEET 1 OF 2	
DATE	3-27-92

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION

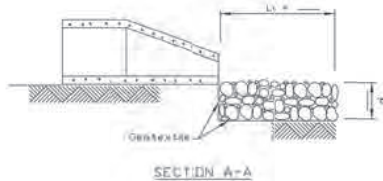
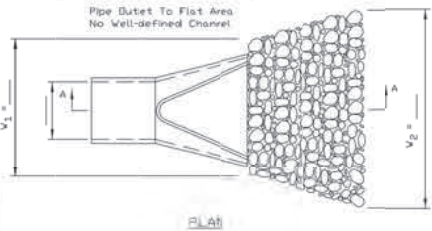


REFERENCE	DESIGNED	CHECKED	APPROVED
Project	Site	Site	Site



STANDARD SPEC. NO.	IUM-561D
SHEET 1 OF 1	
DATE	8-21-92

PIPE OUTLET TO FLAT AREA

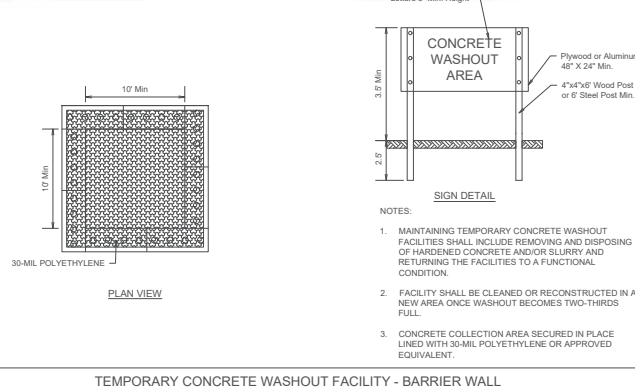


- NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 EOTEXTILE, Table 1 or 2, Class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: 64-1 Quality.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock size to be determined.

REFERENCE	DESIGNED	CHECKED	APPROVED
Project	Site	Site	Site



STANDARD SPEC. NO.	IL-60
SHEET 1 OF 1	



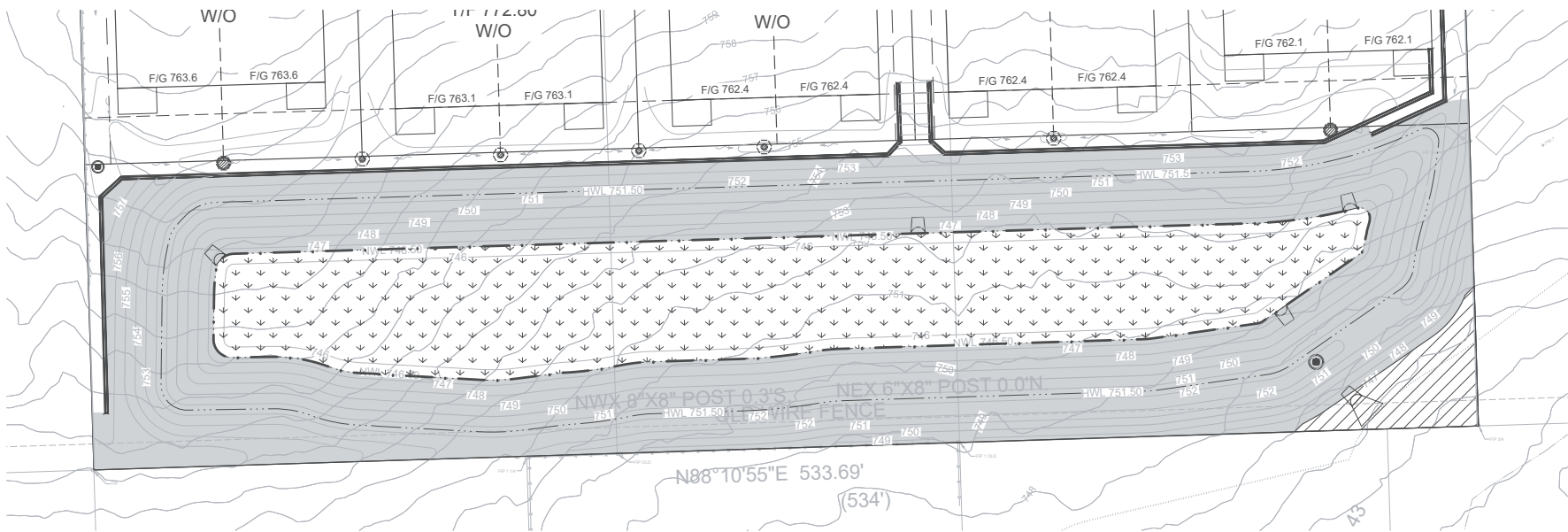
- NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
 2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
 3. CONCRETE COLLECTION AREA SECURED IN PLACE LINED WITH 30-MIL POLYETHYLENE OR APPROVED EQUIVALENT.

REVISIONS	NO.	DATE	DESCRIPTION

EROSION CONTROL DETAILS
WOODLAND GLEN - DARIEN
DARIEN

PROJECT NO.	22045 W02
PROJECT MANAGER	SAK
DESIGNED BY	
CHECKED BY	
APPROVED BY	
DRAWING NO.	4.2





PLANTING LEGEND	
SHORELINE PLUGS	
	LENGTH = 932 LF
EMERGENT PLUG MIX	
	AREA = 0.44 AC
MESIC PRAIRIE SEED MIX	
	AREA = 0.82 AC
SEDGE MEADOW SEED MIX	
	AREA = 0.04 AC



PROJECT NO. 220845.WG2	ORIGINAL ISSUE DATE: 02-28-2024	REVISIONS	
	DATE	NO.	DESCRIPTION
PROJECT MANAGER	DATE	NO.	DESCRIPTION
DESIGNED BY	DATE	NO.	DESCRIPTION
CHECKED BY	DATE	NO.	DESCRIPTION
DRAWN BY	DATE	NO.	DESCRIPTION
IN CHARGE	DATE	NO.	DESCRIPTION
ILLINOIS			
DETENTION BASIN PLANTING PLAN		WOODLAND GLEN - DARIEN	
1324 Jones Avenue Woodridge, IL 60517 800.774.8800 Phone www.rfg.com		DARIEN	
DRAWING NO.		4.3	

N:\2022\220845\220845.WG\Drawings\ACAD\LD\S04\Sheet Drawings\4.0 Grd220845.WG2.dwg 2/28/2024

CONSTRUCTION AND REVEGETATION

This section of the plan details construction and revegetation of the native stormwater basin.

CONSTRUCTION, SOILS AND TOPDRESSING SPECIFICATIONS

Grading and excavation of the native stormwater basin area shall be completed in accordance with the engineering plans in order to achieve the requisite stage volumes.

The following specifications shall be followed to minimize impacts to the naturalized areas and provide a suitable medium for native vegetation establishment.

- 1. All areas to be planted or seeded with native vegetation shall be over-excavated a minimum of 1 foot below final grade to allow for the placement of topdress material, unless a one-foot-thick topsoil layer is present following excavation to proposed final grade.
2. Topdress material for the proposed naturalized vegetation areas shall originate from on-site. These soils are adequate to promote native vegetation establishment.
3. Wheel-based vehicles (scrappers, endloaders, etc.) shall not be used for topdressing work.
4. Following the 1-foot of topdress placement, the engineer shall be thoroughly disked using a small farm type disc (not a large construction disc) and/or harley rake.
5. No wheeled traffic shall occur in the naturalized planting areas after the final diskings is complete.
6. All construction activities in the naturalized areas must be done under dry conditions.

PLANTING ZONES

Selection of the plant species in the stormwater basin are based on their suitability to the anticipated soil and hydrologic conditions following construction. Based on the hydrographic (Appendix K), the basin has a quick drawdown time in which the basin returns to its NWL in 3 days or less for a typical precipitation event. Such drawdown (3-9") within the emergent zone will likely be the general condition of the basin throughout the majority of the growing season.

A mesic prairie seed mix comprised of native grasses, sedges and forbs will be installed on the basin slopes. The shoreline planting zone is comprised of species that tolerate a wide range of hydrologic fluctuation and is designed to be a transition between the emergent and mesic prairie to better tolerate any hydrologic zones. See Appendix K for the plant mixes. These mixes are described below.

Mesic Prairie Seed Mix (0.82 acres). A mesic prairie seed mix, which contains native grasses, sedges and forbs will be installed on the newly graded slopes of the stormwater basin as depicted on the BMP Restoration (Figure C). Following seeding activities erosion control blanket (i.e. North American Green S75 or comparable) shall be installed to stabilize the seed prior to cover crop germination and establishment of the permanent plant species.

Sedge Meadow Seed Mix (0.04 acres). This mix that contains native grasses, sedges, rushes, and forbs will be installed around the basin outfall as based on grading and surrounding site topography and area has the potential to have saturated soils throughout much of the growing season.

Shoreline Plug Mix (932 LF). Native plugs (Shoreline Plug Mix) shall also be installed around the shoreline of the naturalized basin to provide additional shoreline stabilization and accommodate the hydrologic boucan. Plant plugs in the Shoreline Plug Mix shall be installed after the mesic prairie has been seeded and blanket has been installed.

Emergent Plug Mix (0.04 acres). The emergent plug mix shall be installed in the areas shown on the Restoration Plan. The emergent zone is designed 0.12-inches below the normal water level and will likely be inundated for most of the growing season.

SEEDING SPECIFICATIONS

- 1. The seeding contractor shall furnish, transport, and install the native seed mixes as specified for the respective areas shown on the Restoration Plan.
2. Seeding activities of the permanent materials shall be performed after the seed bed has been properly prepared, as applicable, between November 1 after the first frost and ending when snow cover exceeds 2 inches in depth or areas are covered with ice and 15" of the following year.
3. All seeding activities are finished outside the permanent seeding window, the area can be established with a temporary cover crop to permit seeding with a supplemental seeding during the prescribed window following the year.
4. Seed shall be surface sown with a broadcast seeder and lightly raked or in with a native drop seeder.
5. All seed sources shall be within a 200-mile radius of the project site and be true to name and variety.
6. Seeding shall only occur in areas that will receive erosion blanket installation within 48 hours and/or prior to forecasted rain.
7. All native seed shall be provided on a pure live seed (PLS) basis.
8. All seed shall be furnished in sealed containers.
9. Over-seeding or re-planting may be necessary for compliance with the performance section of this document.

EMERGENT AND SHORELINE PLANTING SPECIFICATIONS

- 1. The planting contractor shall furnish, transport and install all container grown plants for all planting zones as specified on plans.
2. Herbaceous planting activities shall be performed no earlier than May 15th and no later than August 1st under favorable conditions.
3. All plugs shall be container grown in open bottom pots with the following minimum dimensions: 2-3/8 inches square by 3-inches deep or a minimum root of 11 cubic inches.
4. Plant material shall not be provided as dormant.
5. PLS-SEEDING AND PLANTING WEED CONTROL

Any areas within the mesic prairie, sedge meadow and emergent zone that are not disturbed as a result of grading activities shall be treated for non-native invasive species including but not limited to: reed canary grass, Phalaris australis, cattails, Typha sp., common reed (Phragmites australis) and purple loosestrife.

EROSION CONTROL BLANKET SPECIFICATIONS
North American Green (NAG) S75 BioNet shall be installed over all seeding areas (mesic prairie and sedge meadow) as shown on the Restoration Plan. The blanket shall be installed within 48 hours and/or prior to forecasted rain.

PREDATOR CONTROL
A predator control system shall be installed to help achieve the site goals and performance standards by discouraging herbivores such as but not limited to geese, muskrats, and carp from consuming and uprooting newly planted native plugs.

- 1. The materials shall include: 1-inch X 1-inch X 4-foot wood stakes with one end pointed, chicken wire fencing fabric or wire hardware cloth with mesh openings not to exceed 2-inches, 6-inch wire landscape staples, masses ironing and UV rated zip ties.
2. All areas receiving native plant plugs (emergent zone) shall be protected by a predator control structure.
3. It is the responsibility of the installation contractor to remove the predator control system once the native plants have established and/or when the performance standards are met and sign off is achieved.

MANAGEMENT & MONITORING PLAN

This BMP Management and Monitoring Plan (MMP) for Woodland Glen establishes a means by which the naturalized stormwater basin may be evaluated relative to pre-established goals and performance standards.

The duration of the monitoring program is three years, beginning with the completion of grading and planting. The three-year management and monitoring program will be the responsibility of Woodland Glen Development LLC.

VEGETATION MANAGEMENT

Proper management is critical for successful establishment of the proposed plant communities. Periodic mowing and selective herbicide application are commonly used as management techniques for natural plant communities.

The invasive species that require control include, but are not limited to, the following species provided in Table 1.

Table 1: List of invasive species including Reeds, Phragmites, Purple Loosestrife, and others, with columns for Species, Common Name, and Seeding Rate (lb/acre).

First and Second Year Mowing. During the first two growing seasons after installing the mesic prairie and sedge meadow seed mix, mowing or selective weed whipping the vegetation shall occur as needed to maintain a plant height of no greater than 18 to 20 inches. To accomplish this, cutting the vegetation to a height of 6 to 8 inches several times during the growing season will be needed.

Herbicide Application. Management of the vegetation in all areas should include selective application of herbicide to control aggressive plant species, such as, but not limited to, reed canary grass (Phalaris australis), cattails (Typha spp.), purple loosestrife (Lythrum salicaria), common reed (Phragmites australis), and sweet clover (Melilotus spp.).

Natural regeneration of cattails, common reed and reed canary grass in the stormwater basin will likely occur following construction. A pre-planting control shall be conducted if any of these species or other weeds are present.

A determination regarding the type of herbicide to be used should be made when it is known which nuisance species are present on the site. Depending on the target species, a selective herbicide may be available.

- Application Period One (early spring - April/May): problematic species such as, but not limited to, reed canary grass, red/white clover, cool season adaptive grasses.
Application Period Two (late spring to early summer - May/June): problematic species such as, but not limited to, teasel, white/yellow sweet clover, thistle.
Application Period Three (mid to late summer - July/August): problematic species such as, but not limited to, tall goldenrod, hairy sedge, ragweed, cattails, purple loosestrife.

Long-Term Mowing in Lieu of Prescribed Burning. If burning is deemed unsafe, end of growing season mowing can be conducted instead. Mowing the vegetation at the end of the growing season should be conducted annually after the vegetation has established (after year 2).

PERFORMANCE STANDARDS
Performance standards are established for all proposed projects involving naturalized areas so that the relative success may be evaluated. If the performance standards are not achieved by the end of the three-year management and monitoring program, the permittee is responsible for correction of any deficiencies through further management activities, which may include replanting.

- Native BMP Performance Standards:
1. Within 3 months of seed installation (and/or three months after the start of the growing season if dormant seeded), at least 90% of the mesic prairie seeding zones, as measured by aerial coverage, shall be vegetated.
2. Throughout the second and third year of monitoring, no area > 1m^2 shall be unvegetated.
3. At the end of the first year of the monitoring period, all vegetated native areas shall achieve a minimum 10% native vegetative coverage.
4. At the end of the second year of the monitoring period, all vegetated native areas shall achieve a minimum 25% native vegetative coverage.

MONITORING
Vegetation Monitoring. Annual vegetation monitoring in the naturalized areas shall be conducted during the three-year period beginning immediately following planting/seeding.

The annual report must include a review of site progression towards meeting the performance standards and propose any necessary remedial actions. More specifically, the monitoring report must contain the following information, which will be based on data collected during the monitoring inspections.

Table with 4 columns: Type, Species, Common Name, Seeding Rate (lb/acre). Lists various native and non-native plant species with their corresponding seeding rates.

Table with 4 columns: Type, Scientific Name, Common Name, Seeding Rate (lb/acre). Lists various plant species with their corresponding seeding rates, including totals for different zones.

Table with 4 columns: Row, Species, Common Name, Quantity. Lists plant plugs with their quantities, categorized by zone (Mesic Prairie, Upright, Wet).

Table with 4 columns: Species, Common Name, Quantity. Lists plant plugs with their quantities, categorized by zone (Mesic Prairie, Upright, Wet).

Table with 4 columns: Species, Common Name, Quantity. Lists shallow emergent plant plugs with their quantities.

Table with 4 columns: Species, Common Name, Quantity. Lists shallow emergent plant plugs with their quantities.

REVISIONS table with columns for NO., DATE, DESCRIPTION, and initials. Includes project name 'WOOLAND GLEN - DARIEN' and address '1324 JAMES AVENUE WOODLAND GLEN, IL 60517'.

FOR CONTINUATION
SEE SHEET 5.1

FOR CONTINUATION SEE SHEET 5.1

FOR CONTINUATION
SEE SHEET 5.1

NOTES:

1. ALL GRAVITY SANITARY SEWER MAIN TO BE 8" PVC UNLESS OTHERWISE NOTED.
2. ALL WATER MAIN TO BE 8" DUCTILE IRON UNLESS OTHERWISE NOTED. ALL WATER MAIN LEADS TO FIRE HYDRANT TO BE 8" DUCTILE IRON UNLESS OTHERWISE NOTED.
3. WATER SERVICE LINES TO BE MINIMUM 1.5" TYPE K COPPER AND SHALL TERMINATE AT A SHUTOFF VALVE AND BOX TO BE LOCATED IN THE PARKWAY.
4. THE SUMP DRAINS FOR BUILDINGS 1 THROUGH 3 AND 9 THROUGH 17 SHALL BE CONNECTED TO THE STORM SEWER. BUILDINGS 4 THROUGH 8 SHALL DAYLIGHT TO THE DETENTION BASIN.

STORM STRUCTURE TABLE		
STRUCTURE	DESCRIPTION	INVERT
FES 1-1	12" FES	746.50 (18" NW)
FES 2-1	15" FES	746.50 (18" N)
FES 3-1	12" FES	746.27 (12" NW)
FES 3-2	12" FES	746.50 (12" SE)
FES 4-1	12" FES	746.50 (12" N)

UTILITY CROSSINGS

- 0303 EX. 12" ST BP 759.43s (V.I.F.)
PR. 12" WM T/P 756.80
- 0302 EX. 12" ST BP 759.83s (V.I.F.)
PR. 12" WM T/P 756.54
- 0309 EX. 12" ST BP 758.85s (V.I.F.)
PR. 12" WM T/P 757.45
- 0305 PR. 4" SAN FM BP 762.07
PR. 12" WM T/P 760.57
- 0306 EX. 12" ST BP 761.71s (V.I.F.)
PR. 12" WM T/P 760.21
- 0308 EX. 12" ST BP 754.64s (V.I.F.)
PR. 8" SAN T/P 754.10
- 0307 PR. 8" SAN T/P 754.36
PR. 8" SAN BP 753.64
EX. GAS LINE TO BE FIELD VERIFIED.
NOTIFY ENGINEER IF THERE IS A CONFLICT
- 0304 PR. 8" SAN T/P 753.59
PR. 8" SAN BP 752.87
EX. GAS LINE TO BE FIELD VERIFIED.
NOTIFY ENGINEER IF THERE IS A CONFLICT
- 0301 EX. 21" ST BP 753.23s (V.I.F.)
PR. 8" SAN T/P 752.78
- 0310 PR. 12" ST BP 764.12
PR. 8" WM T/P 762.52
- 0311 PR. 12" ST BP 765.63
PR. 8" SAN T/P 761.16
- 0312 PR. 18" ST BP 762.16
PR. 8" WM T/P 760.66
- 0313 PR. 24" ST BP 761.85
PR. 8" SAN T/P 759.43
- 0314 PR. 12" ST BP 765.27
PR. 8" WM T/P 763.77
- 0315 PR. 12" ST BP 764.42
PR. 8" WM T/P 762.92

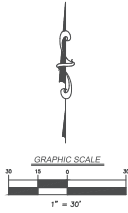
STORM STRUCTURE TABLE

STRUCTURE	DESCRIPTION	RIM	INVERT IN	INVERT OUT
AD 1-1	8" Inline Drain	RIM: 761.10	757.25 (8" E)	757.25 (8" W)
AD 1-2	8" Inline Drain	RIM: 761.20	757.80 (8" E)	757.80 (8" W)
AD 1-3	8" Inline Drain	RIM: 760.80	758.30 (8" W)	758.30 (8" W)
AD 4-1	8" Inline Drain	RIM: 760.90	758.40 (8" E)	758.40 (8" E)
ST 1-1	4" MH (Closed)	RIM: 763.30	759.20 (18" N) 755.65 (12" E)	747.00 (18" SE)
ST 1-2	4" MH (Open)	RIM: 764.15	760.00 (12" N)	760.00 (18" S)
ST 1-3	4" MH (Open)	RIM: 766.14	762.00 (12" N) 762.00 (12" E)	766.00 (12" W)
ST 1-4	4" MH (Open)	RIM: 766.57	762.50 (12" N)	762.50 (12" S)
ST 1-5	2" Inlet	RIM: 768.19	763.00 (12" S)	763.00 (12" S)
ST 1-6	4" Catch Basin	RIM: 769.81	766.00 (12" E)	766.00 (12" W)
ST 1-7	2" Inlet	RIM: 768.81	766.10 (12" W)	766.10 (12" W)
ST 1-8	4" MH (Open)	RIM: 761.50	756.15 (12" E)	756.15 (12" W)
ST 1-9	2" Inlet	RIM: 769.80	756.70 (8" E)	756.70 (12" W)
ST 2-1	4" MH (Closed)	RIM: 769.70	762.00 (18" N) 757.89 (15" E)	757.89 (18" S)
ST 2-2	4" Catch Basin	RIM: 769.32	762.15 (18" N)	762.15 (18" S)
ST 2-3	4" MH (Open)	RIM: 769.32	762.29 (18" W)	762.29 (18" S)
ST 2-4	4" MH (Closed)	RIM: 770.86	762.51 (18" N)	762.51 (18" E)
ST 2-5	4" MH (Open)	RIM: 769.90	762.94 (15" N) 764.00 (12" E)	762.94 (18" S)
ST 2-6	4" MH (Open)	RIM: 769.80	763.28 (12" N)	763.28 (15" S)
ST 2-7	4" MH (Open)	RIM: 770.26	763.75 (12" W) 764.05 (12" E)	763.75 (12" S)
ST 2-8	4" Catch Basin	RIM: 768.93	764.33 (12" W)	764.33 (12" E)
ST 2-9	2" Inlet	RIM: 768.93	764.45 (12" E)	764.45 (12" E)
ST 2-10	4" MH (Closed)	RIM: 771.09	758.37 (12" NE)	758.37 (15" W)
ST 2-11	4" MH (Open)	RIM: 763.00	759.00 (12" N)	759.00 (12" SW)
ST 2-12	4" MH (Open)	RIM: 767.43	761.56 (12" N)	761.56 (12" S)
ST 2-13	4" MH (Open)	RIM: 768.26	762.12 (12" N)	762.04 (12" S)
ST 2-14	2" Inlet	RIM: 766.74	762.50 (12" S)	762.50 (12" S)
ST 2-15	4" Catch Basin	RIM: 770.24	765.48 (12" E)	765.48 (12" W)
ST 2-16	2" Inlet	RIM: 770.24	765.91 (12" W)	765.91 (12" W)
ST 2-17	4" Catch Basin	RIM: 769.33	764.63 (12" E)	764.63 (12" W)
ST 2-18	2" Inlet	RIM: 769.33	764.75 (12" W)	764.75 (12" W)
ST 3-1	4" RESTRICTOR MANHOLE SEE DETAIL ON CS-1	RIM: 752.10	746.38 (12" NW)	746.38 (12" SE)
ST 4-1	4" MH (Open)	RIM: 757.70	754.70 (8" W)	749.00 (12" S)

WATER STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE DESCRIPTION	FINISHED GRADE
FH - 1	FIRE HYDRANT	FG=762.36 ± M.E.
FH - 2	FIRE HYDRANT	FG=765.89 ± M.E.
FH - 3	FIRE HYDRANT	FG=763.37 ± M.E.
FH - 4	FIRE HYDRANT	FG=767.44
FH - 5	FIRE HYDRANT	FG=769.08
FH - 6	FIRE HYDRANT	FG=762.64 ± M.E.
FH - 7	FIRE HYDRANT	FG=758.13 ± M.E.
FH - 8	FIRE HYDRANT	FG=770.02
FH - 9	FIRE HYDRANT	FG=770.93

WATER STRUCTURE TABLE		
STRUCTURE NAME	STRUCTURE DESCRIPTION	RIM GRADE
VV - 1	12" GATE VALVE IN 9" DIA. VAULT	RIM=762.43 ± M.E.
VV - 2	12" GATE VALVE IN 9" DIA. VAULT	RIM=764.80 ± M.E.
VV - 3	12" GATE VALVE IN 9" DIA. VAULT	RIM=768.69
VV - 4	8" GATE VALVE IN 4" DIA. VAULT	RIM=768.66
VV - 5	8" GATE VALVE IN 4" DIA. VAULT	RIM=770.38
VV - 6	8" GATE VALVE IN 4" DIA. VAULT	RIM=768.93



REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 02-28-2024

PROJECT NO: 220945.02
 PROJECT MANAGER: SAH
 CHECKED BY: JAK
 DRAWN BY: NRS

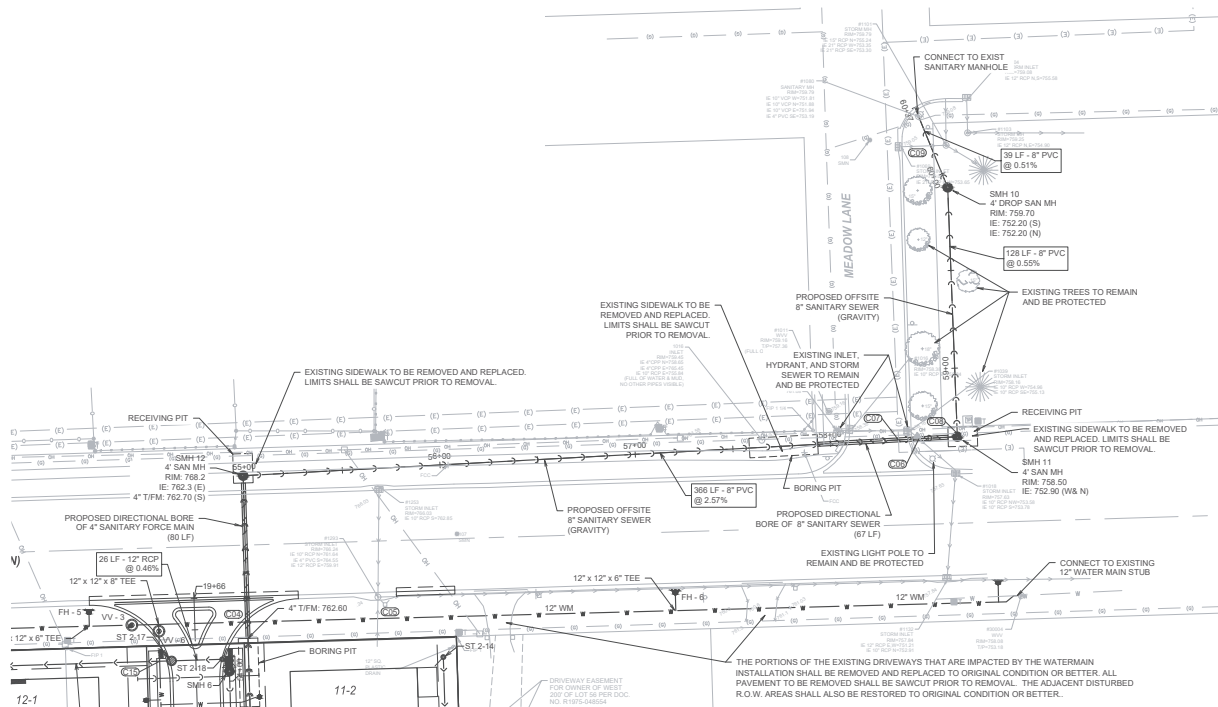
ILLINOIS

UTILITY PLAN
 WOODLAND GLEN - DARIEN

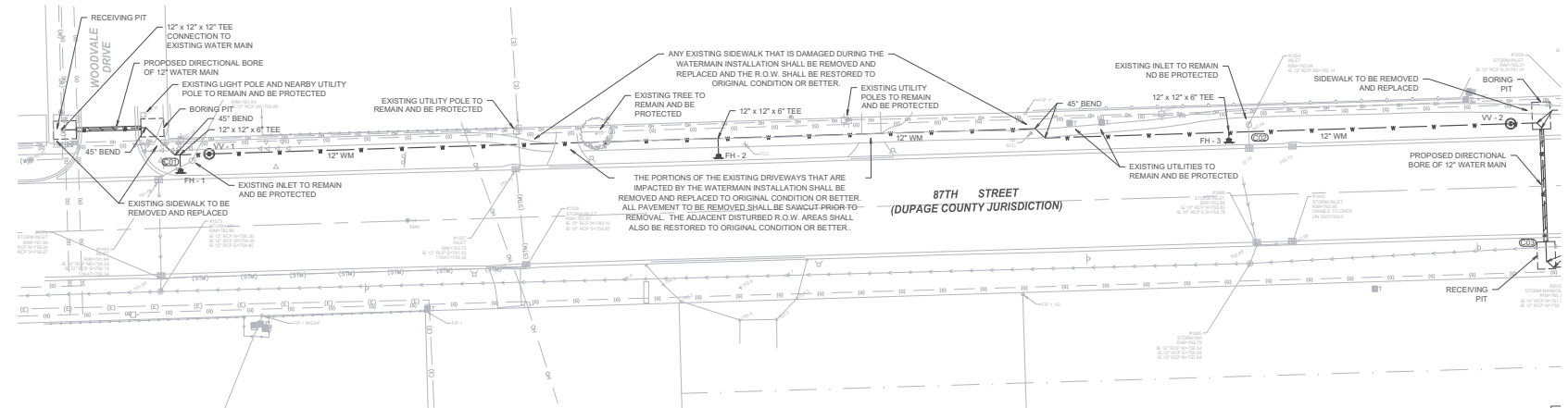
DARIEN

1324 Jones Avenue
 Wood Dale, IL 60517
 800-774-2800 phone
 www.tyc.com

DRAWING NO: 5.0



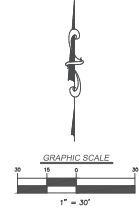
FOR CONTINUATION SEE SHEET 5.0



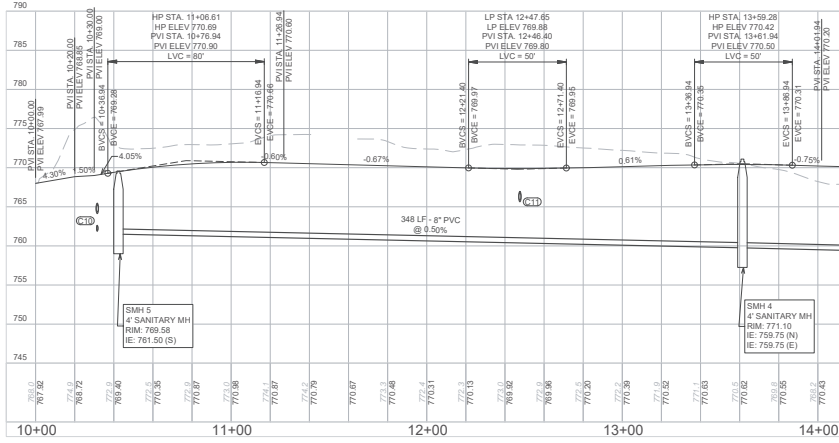
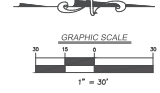
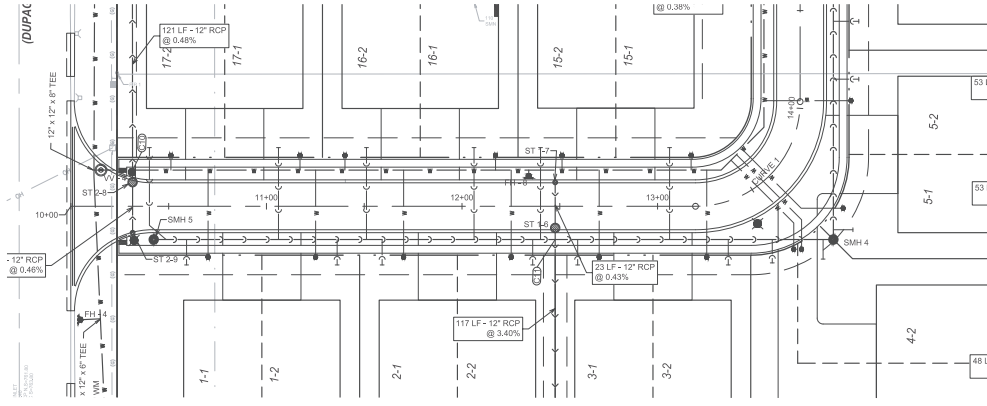
FOR CONTINUATION SEE SHEET 5.0

NOTES:

1. ALL GRAVITY SANITARY SEWER MAIN TO BE 8" PVC UNLESS OTHERWISE NOTED.
2. ALL WATER MAIN TO BE 8" DUCTILE IRON UNLESS OTHERWISE NOTED. ALL WATER MAIN LEADS TO FIRE HYDRANT TO BE 6" DUCTILE IRON UNLESS OTHERWISE NOTED.
3. WATER SERVICE LINES TO BE MINIMUM 1.5" TYPE K, COPPER AND SHALL TERMINATE AT A SHUTOFF VALVE AND BOX TO BE LOCATED IN THE PARKWAY.
4. ALL STORM SEWER TO BE 12" UNLESS OTHERWISE NOTED.
5. THE SLUMP DRAINS FOR BUILDINGS 1 THROUGH 3, AND 9 THROUGH 17 SHALL BE CONNECTED TO THE STORM SEWER. BUILDINGS 4 THROUGH 8 SHALL DAYLIGHT TO THE DETENTION BASIN.



ORIGINAL ISSUE DATE: 02-26-2024 PROJECT NO: 220845.WG2 PROJECT MANAGER: SHK DRAWN BY: JAK CHECKED BY: NRS		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION									
NO.	DATE	DESCRIPTION												
OFFSITE UTILITY PLAN WOODLAND GLEN - DARIEN DARIEN, ILLINOIS		DRAWING NO: 5.1												



FOR CONTINUATION SEE SHEET 5.3

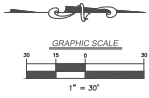
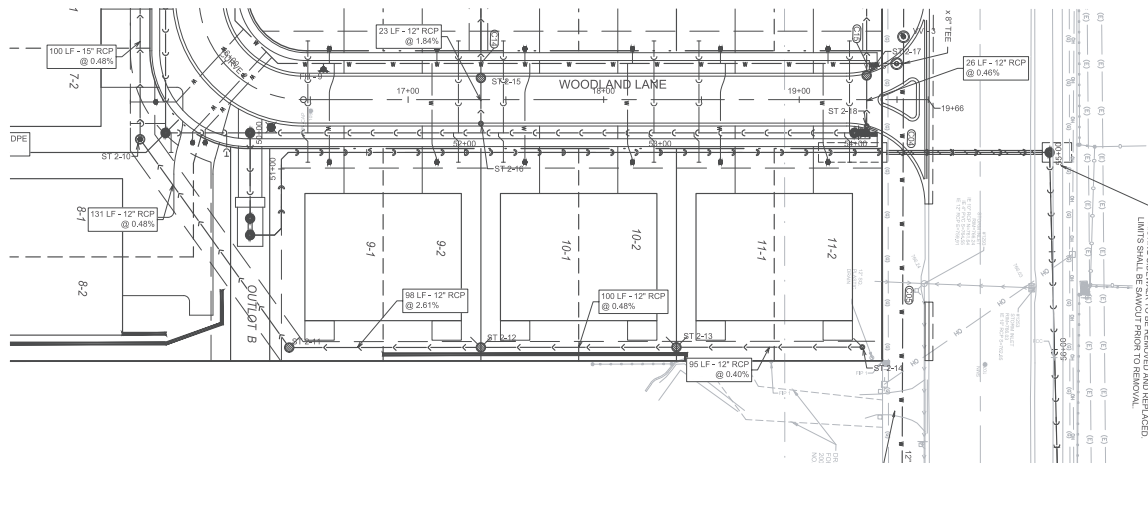
SANITARY SEWER PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 7.5'

REVISIONS		ORIGINAL ISSUE DATE: 02-28-2024	
NO.	DATE	DESCRIPTION	DATE

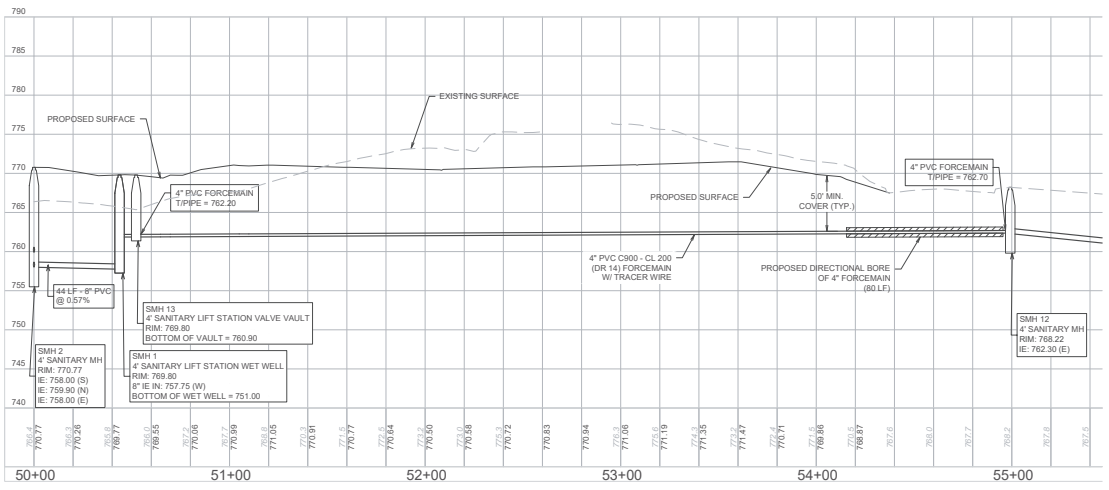
PROJECT NO.	220845.WG2
PROJECT MANAGER	SAK
DESIGNED BY	TJK
DRAWN BY	NRS

SANITARY PLAN AND PROFILE	
WOODLAND GLEN - DARIEN	
DARIEN ILLINOIS	

1324 Jones Avenue Wood Dale, IL 60517 800.724.8200 Phone www.rfg.com	
DRAWING NO.	5.2



EXISTING SIDEWALK TO BE REMOVED AND REPAVED.
LIMITS SHALL BE SMOOTH PRIOR TO REMOVAL.



SANITARY SEWER PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 2'

FOR CONTINUATION SEE SHEET 5.6

REVISIONS		ORIGINAL ISSUE DATE: 02-28-2024	
NO.	DATE	DESCRIPTION	ISSUE DATE

PROJECT NO.	220845.WG2
PROJECT MANAGER	SAK
DESIGNED BY	JAK
DRAWN BY	NRS

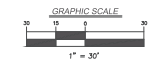
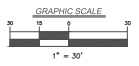
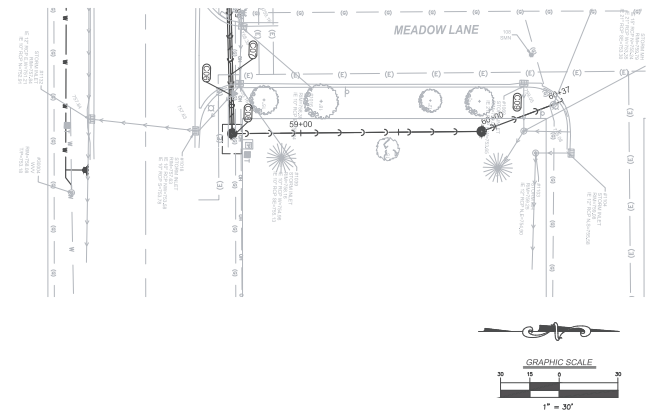
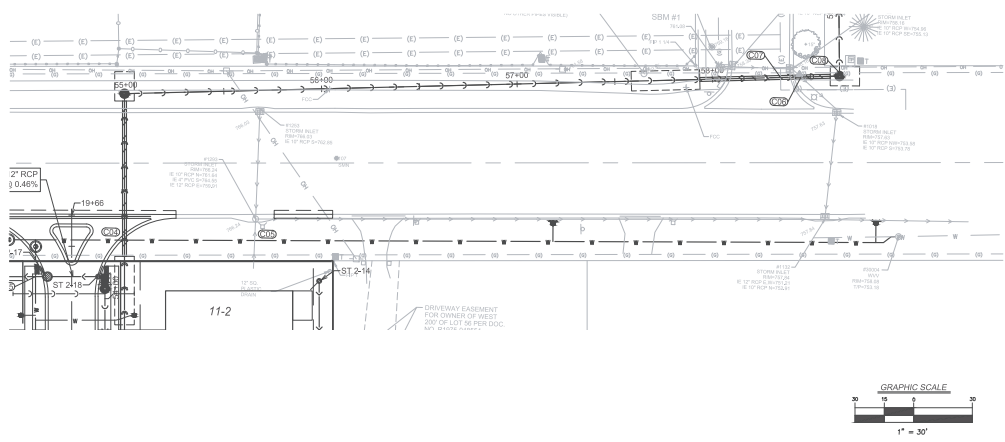
**FORCE MAIN AND OFFSITE
SANITARY PLAN AND PROFILE
WOODLAND GLEN - DARIEN**

ILLINOIS

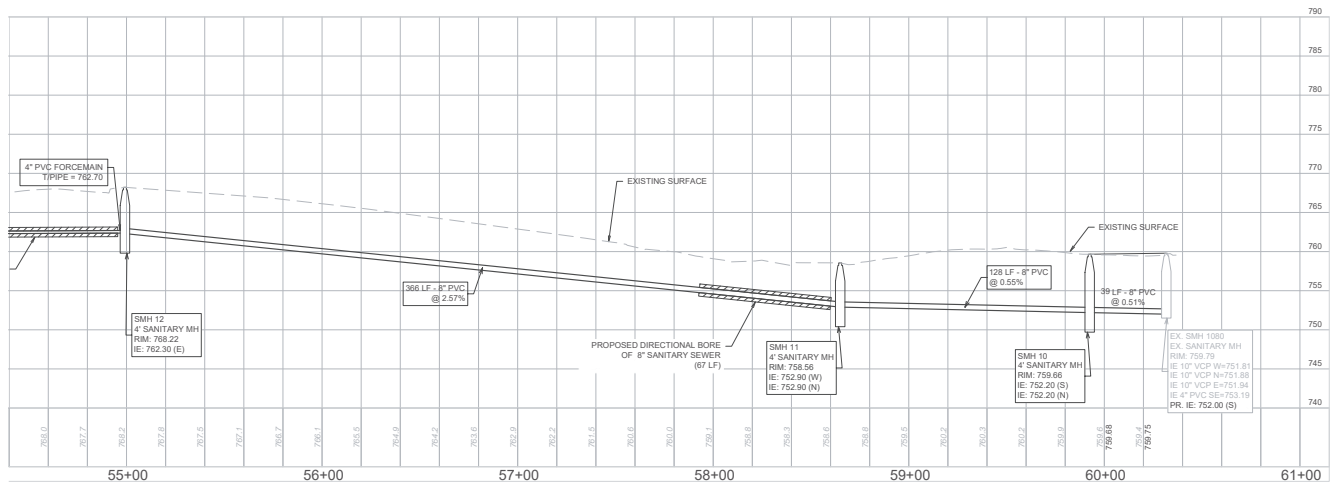
1324 Jones Avenue
Westville, IL 60557
800.724.8200 Phone
www.tyc.com

DRAWING NO. **5.5**

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FOR CONTINUATION SEE SHEET 5.5



SANITARY SEWER PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 7.5'

PROJECT NO. 220945.WG2		ORIGINAL ISSUE DATE: 02-28-2024	
PROJECT MANAGER	DATE	DESCRIPTION	DATE
DESIGNED BY	DATE	DESCRIPTION	DATE
CHECKED BY	DATE	DESCRIPTION	DATE
IN CHARGE	DATE	DESCRIPTION	DATE
PROJECT MANAGER	DATE	DESCRIPTION	DATE
DESIGNED BY	DATE	DESCRIPTION	DATE
CHECKED BY	DATE	DESCRIPTION	DATE
IN CHARGE	DATE	DESCRIPTION	DATE

OFFSITE SANITARY PLAN AND PROFILE
WOODLAND GLEN - DARIEN
DARIEN ILLINOIS

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Woodridge, IL 60517
800.724.8200 phone
www.rvc.com

DRAWING NO. 5.6

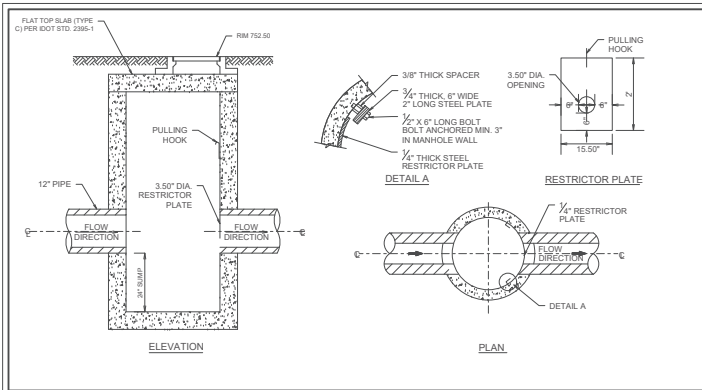
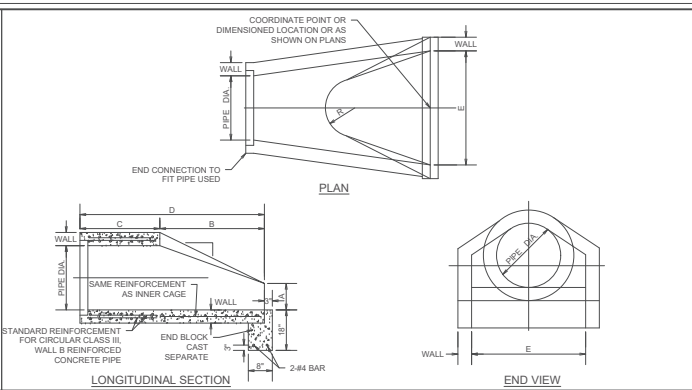


PLATE RESTRICTOR IN STRUCTURE (ST 3-1)

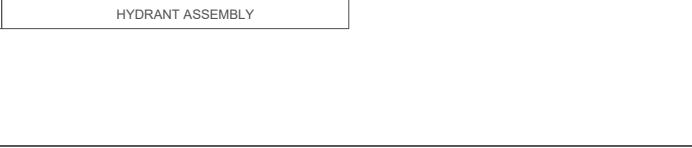
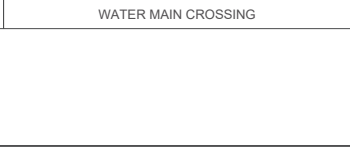
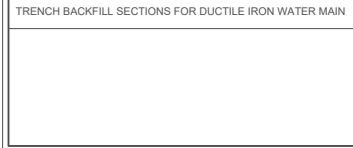
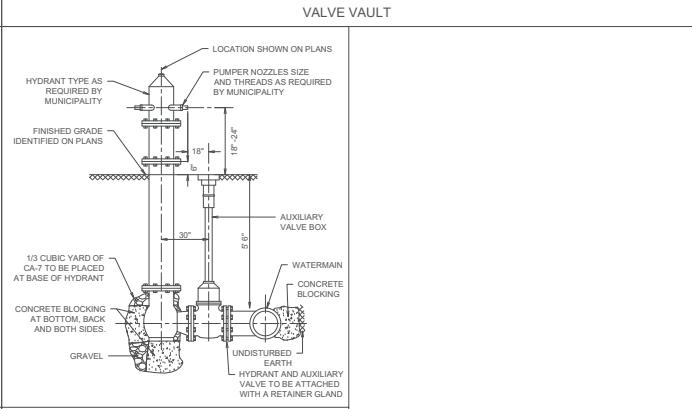
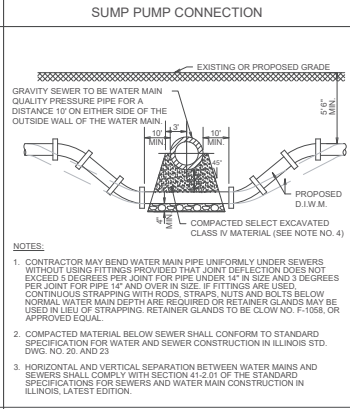
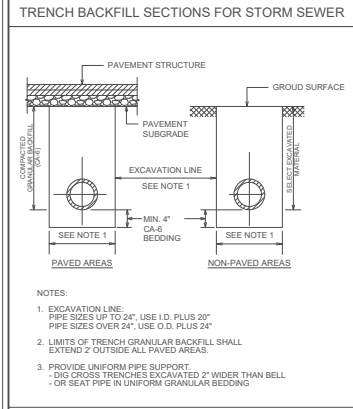
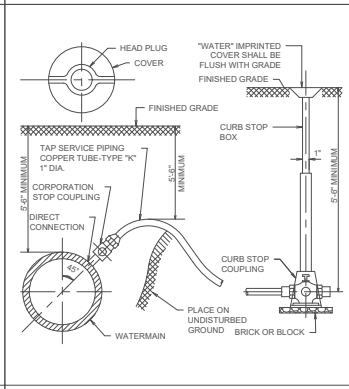
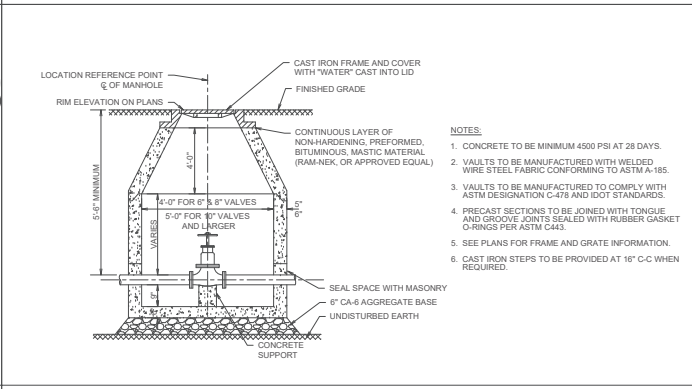
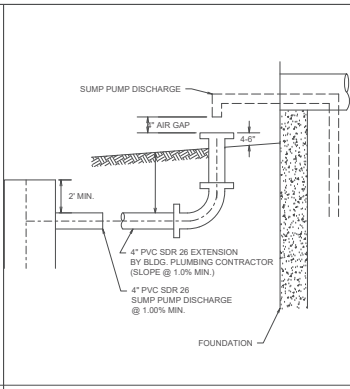
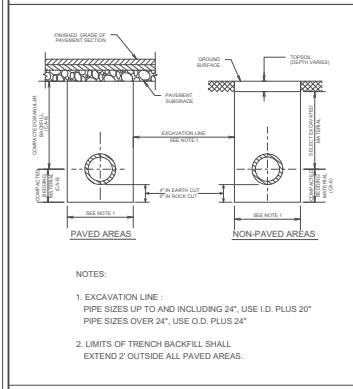


PRECAST REINFORCED CONCRETE FLARED END SECTION

PIPE DIA	WALL A	B	C	D	E	R	SLOPE
12"	4"	2'-0"	4'-0"	6'-0"	2'-0"	9"	3:1
15"	4"	2'-0"	3'-0"	6'-0"	2'-0"	11"	3:1
18"	4"	2'-3"	3'-0"	6'-0"	2'-0"	12"	3:1
21"	4"	2'-11"	3'-0"	6'-0"	2'-0"	13"	3:1
24"	4"	3'-3"	3'-0"	6'-0"	2'-0"	14"	3:1
27"	4"	4'-0"	3'-0"	6'-0"	2'-0"	15"	3:1
30"	4"	4'-0"	3'-0"	6'-0"	2'-0"	16"	3:1
33"	4"	4'-0"	3'-0"	6'-0"	2'-0"	17"	3:1
36"	4"	4'-0"	3'-0"	6'-0"	2'-0"	18"	3:1
42"	4"	5'-0"	3'-0"	6'-0"	2'-0"	22"	3:1
48"	4"	6'-0"	3'-0"	6'-0"	2'-0"	27"	3:1
54"	4"	7'-0"	3'-0"	6'-0"	2'-0"	34"	3:1
60"	4"	8'-0"	3'-0"	6'-0"	2'-0"	41"	3:1
66"	4"	9'-0"	3'-0"	6'-0"	2'-0"	49"	3:1
72"	4"	10'-0"	3'-0"	6'-0"	2'-0"	58"	3:1
78"	4"	11'-0"	3'-0"	6'-0"	2'-0"	68"	3:1
84"	4"	12'-0"	3'-0"	6'-0"	2'-0"	80"	3:1

*RADIUS AS FURNISHED BY MANUFACTURER

NOTES:
 1. PRECAST CONCRETE FLARED END SECTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
 2. LENGTHS OF PIPE WHICH TERMINATE WITH A FLARED END SECTION INCLUDE THE LENGTH OF THE FLARED END SECTION.



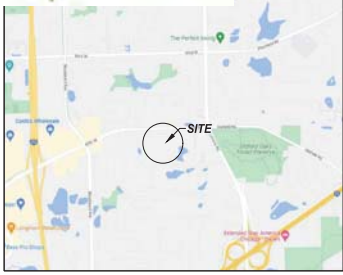
CONSTRUCTION DETAILS
 WOODLAND GLEN - DARIEN
 ILLINOIS

PROJECT NO. 220845 W02
 DRAWING NO. 504
 DATE 02-28-2024

DESIGNER: JAK
 CHECKER: NRS

1324 Jones Avenue
 Woodland Glen, IL 60517
 800.774.8100 phone
 www.jvc.com

DRAWING NO.
6.1

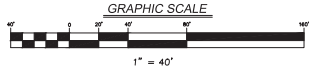
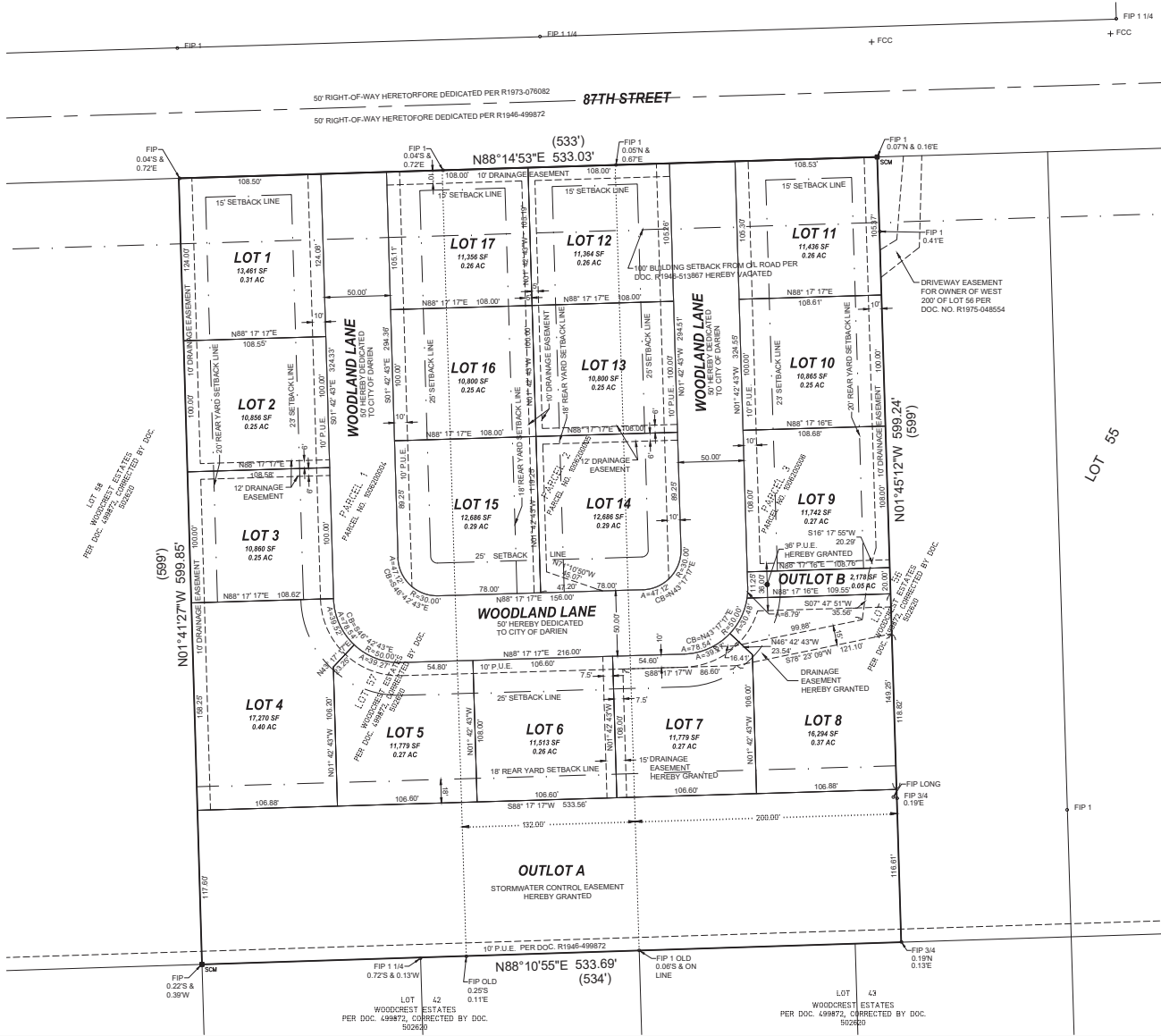


VICINITY MAP
NOT TO SCALE

FINAL PLAT OF SUBDIVISION OF WOODLAND GLEN - DARIEN

PART OF THE NORTHEAST 1/4 OF SECTION 6, TOWNSHIP 37 NORTH, RANGE 11
EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS.

UPON RECORDING, MAIL TO:
CITY OF DARIEN,
1702 PLAINFIELD ROAD,
DARIEN, ILLINOIS 60561



BASIS OF BEARINGS
THE BASIS OF BEARINGS IS THE STATE PLANE COORDINATE SYSTEM (SPCS) NAD 83 (2011) ZONE 1201 (ILLINOIS EAST) WITH PROJECT ORIGIN AT LATITUDE: 41° 43' 42.06533" N LONGITUDE: 89° 01' 35.53755" W ELLIPSOIDAL HEIGHT: 652.228 SFT GROUND SCALE FACTOR 1.0000481089 ALL MEASUREMENTS ARE ON THE GROUND.

AREA

BUILDABLE LOTS	207,547 SQ. FT.	4.7646 ACRES
OUTLOTS	64,869 SQ. FT.	1.4846 ACRES
ROW	47,558 SQ. FT.	1.0918 ACRES
TOTAL	319,974 SQ. FT.	7.3410 ACRES

DEVELOPER
Woodland Glen Development, LLC
6432 Joliet Road, Suite B
Countryside, Illinois 60525
708-482-0860
Contact: Don Stevens

SURVEYOR
V3 Companies, Ltd.
7325 Janes Avenue
Woodridge, Illinois 60517
630 724 9200
Project Manager: Chris Bartosz
cbartosz@v3co.com

SITE DATA

FRONT YARD SETBACK = VARIES
SIDE YARD SETBACK = 10'
REAR YARD SETBACK = VARIES
CORNER SIDE YARD SETBACK (87TH STREET) = 15'

- SURVEYOR'S NOTES:**
- DIMENSIONS ALONG CURVED LINES ARE ARC LENGTHS.
 - SUBDIVIDED LOTS AND EXTERIOR BOUNDARY CORNERS SHALL BE MONUMENTED WITH 5/8" CAPPED IRON RODS, UNLESS SHOWN OTHERWISE, IN CONFORMANCE WITH STATE STATUTES AND LOCAL SUBDIVISION CONTROL ORDINANCES WITHIN 18 MONTHS OF RECORDATION OF THE PLAT.

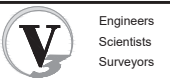
- LEGEND**
- SECTION CORNER
 - QUARTER SECTION CORNER
 - PROPERTY LINE
 - EXISTING RIGHT-OF-WAY LINE
 - PROPOSED RIGHT-OF-WAY LINE
 - EXISTING UTILITY LINE
 - PROPOSED UTILITY LINE
 - PROPOSED EASEMENT LINE
 - EX. & PRO. CENTERLINE
 - EXISTING EASEMENT LINE
 - PROPOSED EASEMENT LINE
 - EX. & PRO. BUILDING SETBACK LINE
 - SECTION LINE
 - FIND DISK IN CONCRETE
 - FIND IRON ROD
 - FIND IRON ROD
 - FIND RAILROAD SPIKE
 - FIND IRON NAIL
 - FIND MAG NAIL
 - FIND OUT CROSS
 - FIND IRON PIPE
 - FIND IRON BAR
 - FIND MAG NAIL
 - PC POINT OF CURVATURE
 - PC POINT OF COMPOUND CURVATURE
 - PC POINT OF REVERSE CURVATURE
 - PT POINT OF TANGENCY
 - RECORD DATUM
 - MEASURED DATUM
 - INFORMATION TAKEN FROM DEED
 - EXCEPTION TO BLANKET EASEMENT
 - UTILITY EASEMENT
 - P.U.E. PUBLIC UTILITY EASEMENT
 - D.E. DRAINAGE EASEMENT

- ABBREVIATIONS**
- N NORTH
 - S SOUTH
 - E EAST
 - W WEST
 - CB CHORD BEARING
 - A ARC LENGTH
 - R RADIUS
 - U.E. UTILITY EASEMENT
 - P.U.E. PUBLIC UTILITY EASEMENT
 - D.E. DRAINAGE EASEMENT

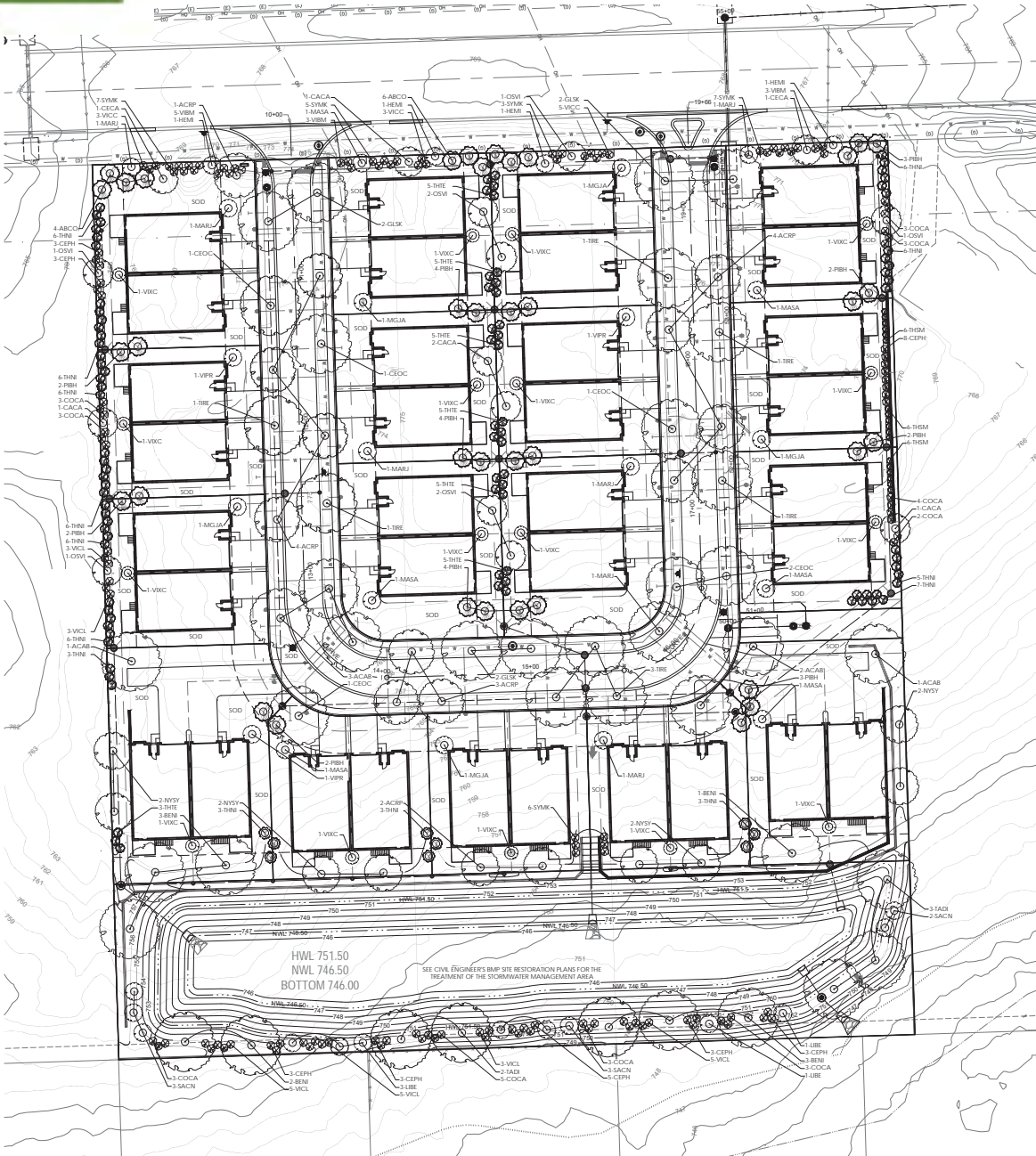
PREPARED FOR:
WOODLAND GLEN DEVELOPMENT, LLC
6432 JOLIET ROAD, SUITE B
COUNTRYSIDE, IL 60525
708-482-0860

NO.		DATE		DESCRIPTION	NO.		DATE		DESCRIPTION

FINAL PLAT OF SUBDIVISION				Project No:	220945.WG2
WOODLAND GLEN - DARIEN, IL				Group No:	VP04.1
DRAFTING COMPLETED:	02-06-24	DRAWN BY:	SPK	PROJECT MANAGER:	COB
FIELD WORK COMPLETED:	N/A	CHECKED BY:	COB	SCALE:	1" = 40'
				SHEET NO.	1 of 2



N:\2022\220945\220945.WG2-Accounting & Survey Only\Drawings\ACAD\SVY\VP04-1\FNL220945.WG2_20240205.dwg



A LANDSCAPE PLAN
SCALE: 1" = 30'

PLANT LEGEND

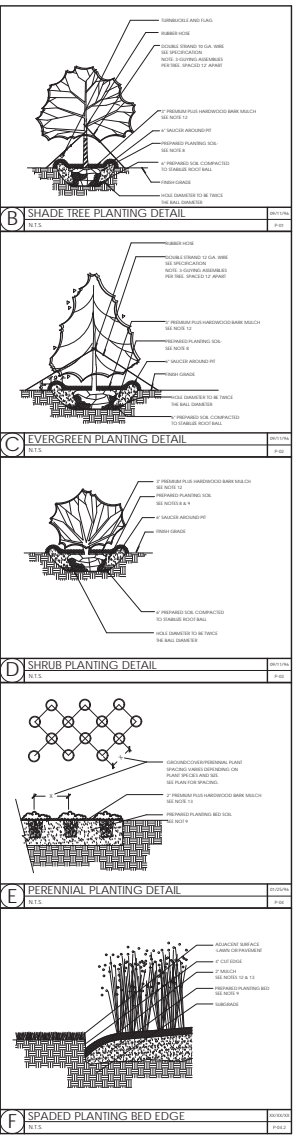
QTY	KEY	BOTANICAL NAME / COMMON NAME	SIZE	HEIGHT	WIDTH
Shade Trees					
7	ACAB	Acacia saligna 'Silvermist'	7' DBH	45.00	30.40
14	ACR	Acacia saligna 'Armenian Redder'	7' DBH	44.00	28.00
8	BSH	Banksia integrifolia 'Blue Star'	7' DBH	45.00	45.00
1	CACA	Casuarina cunninghamiana	7' DBH	35.00	35.00
6	CECO	Cercocarpus occidentalis	7' DBH	45.00	45.00
4	GLX	Gleditsia triacanthos 'Spiralis'	7' DBH	49.00	38.00
1	COA	Cornus elegantissima	7' DBH	35.00	35.00
8	HTH	Halesia carolinae	7' DBH	35.00	35.00
3	SDO	Spondylium dolabratum	7' DBH	30.00	18.00
8	TRN	Thuja occidentalis 'Reptans'	7' DBH	30.00	30.00
Evergreen Trees					
10	ACD	Adiantum cuneatum	6' DBH	30.00	30.00
28	FRN	Fraxinus excelsior 'Imperial'	6' DBH	20.00	15.00
7	MAJ	Magnolia grandiflora 'Major'	6' DBH	30.00	30.00
18	MSA	Myrica aspera	6' DBH	3.12	3.4
40	TRN	Thuja occidentalis 'Emerald Green'	6' DBH	12.16	6.67
Deciduous Trees					
2	CECA	Cercis canadensis 'Redbud'	6' DBH	20.00	25.00
4	FRM	Fraxinus americana 'Manitowish'	6' DBH	15.00	15.00
6	LSR	Liriodendron tulipifera 'Spicatum'	6' DBH	3.12	3.12
1	MGJA	Magnolia grandiflora 'Jane Magnolia'	6' DBH	15.15	3.12
1	MAJ	Magnolia grandiflora 'Major'	6' DBH	12.16	3.12
4	MSA	Myrica aspera 'Major'	6' DBH	4.6	4.13
8	MAJ	Magnolia grandiflora 'Major'	6' DBH	3.12	3.4
3	VRN	Viburnum acerifolium	6' DBH	13.16	3.12
Deciduous Shrubs					
3	CEPH	Cercocarpus occidentalis 'Clematis'	3' DBH	3.12	4.0
10	COCA	Cornus canadensis 'Clematis'	3' DBH	3.12	3.12
28	SPR	Spiraea palmata 'Mae Eam'	3' DBH	4.0	3.4
11	VRN	Viburnum acerifolium	3' DBH	3.12	3.12
14	WCC	Wickstroemia caryophyllata	3' DBH	3.4	3.4
11	VRN	Viburnum acerifolium 'Clematis'	3' DBH	3.12	3.4
22	WCC	Wickstroemia caryophyllata 'Rapunzel'	3' DBH	3.12	3.12

LANDSCAPE NOTES:

- Material quantities are shown only for the convenience of the Contractor. The Contractor is responsible for verification of all materials and supplies in sufficient quantity to complete the job per plan.
- All work shall conform to American Nursery and Landscape Association 2004 edition of the American Standard for Nursery Stock, State of Illinois Horticultural Standard, and local municipal regulations.
- All plant material installation shall be as detailed on these Drawings.
- All pruning work shall be performed only with hand pruners.
- All deciduous plant material shall be pruned to remove 1/4 interior branches, dead branches and broken branches. Pruning shall complement the plant's natural form. Absolutely no top pruning is allowed, except for hedges as noted on the Drawing. Any plant that is pruned is subject to rejection by the Landscape Architect and/or Owner.
- Evergreen trees and shrubs shall be pruned of dead and broken branches and as directed by the Landscape Architect and/or Owner.
- The Landscape Architect and/or Owner reserves the right to inspect trees and shrubs either at the place of growth or at the site prior to planting for compliance with requirements of variety, size and quality.
- Provide pre-mixed planting mixture for use around the balls and roots of the plants consisting of 8 parts topsoil to 1 part One Step soil amendment as available from Midwest Trading or approved equal.
- Planting beds shall be prepared with a 2" depth of mushroom compost and a 1" depth of catched clay filled to an overall depth of 6"-9".
- Prior to mulching, all individual trees, shrub beds and groundcover areas shall be treated with a pre-emergent herbicide, such as Sango-36. All areas shall be free from weeds prior to herbicide application.
- Guying of trees shall be at the option of the Landscape Contractor. However, all trees shall be guyed straight through final inspection and warranty. When guying of trees is deemed necessary to insure proper planting and positioning of the trees, it should be done immediately after burl wrapping or loading operations and prior to acceptance.
- All shrub beds and individual existing and proposed trees shall be mulched to a depth of 3" with Promix Plus Hardwood Bark Mulch as available from Midwest Trading or approved equal.
- All perennial, groundcover and annual planting beds shall be mulched to a depth of 2" with Promix Plus Hardwood Bark Mulch as available from Midwest Trading or approved equal.
- Water trees, shrubs and groundcover beds within the first 12 hours of initial planting. Continue watering weekly or as needed until the end of the maintenance period.
- All Lawn areas shall be sod with irrigation. Sod shall be Kentucky Bluegrass and is required in all areas as noted on the Drawing. Sod shall be laid edge to edge, with tight butted, staggered joints to prevent shrinkage. Sod shall be carefully placed to ensure that it is neither stretched nor overlapped. Immediately after placing, sod shall be pressed firmly into contact with soil bed by tamping or rolling, to eliminate air pockets.
- Contractor shall maintain all planting under the contracted work for 45 days after acceptance for substantial completion.
- Maintenance operators shall include mowing, edging, pruning, cultivating, weeding, reseeding, fertilizing, application of pesticides if required and application of fertilizer as needed to insure proper establishment of planting and lawn.
- Contractor shall provide a one year warranty on all plant material included in the contract. One year warranty shall commence as of acceptance for substantial completion.

GENERAL NOTES:

- Contractor is responsible for verification of underground utility lines and is responsible for any damage occurring as a product of his work.
- Contractor shall maintain clear and open access to the vehicular and pedestrian entrances to and from the property during all periods of work.
- Contractor is responsible for verification of all existing conditions in the field prior to bidding and construction and shall notify the Landscape Architect and/or Owner of any variances.
- Contractor is responsible for acquisition of and payment for all permits, fees and inspections necessary for the proper execution of the work and for compliance with all codes applicable to this work.
- Contractor shall protect the property and is directly responsible for all damages caused by his work and for daily removal of all trash and debris from the work area to the satisfaction of the Landscape Architect and/or the Owner.



prepared for:
Donven Homes
 6432 Joliet Road
 Countryside, Illinois 60625

project:
Woodland Glen Residential Development
 87th Street
 Darien, Illinois

sheet title:
Landscape Plan

project #: 2935

issue date: 02/20/24

checked by: KLL

drafted by: KLL

file: 2835-2024-02-20_cld

plot: ET

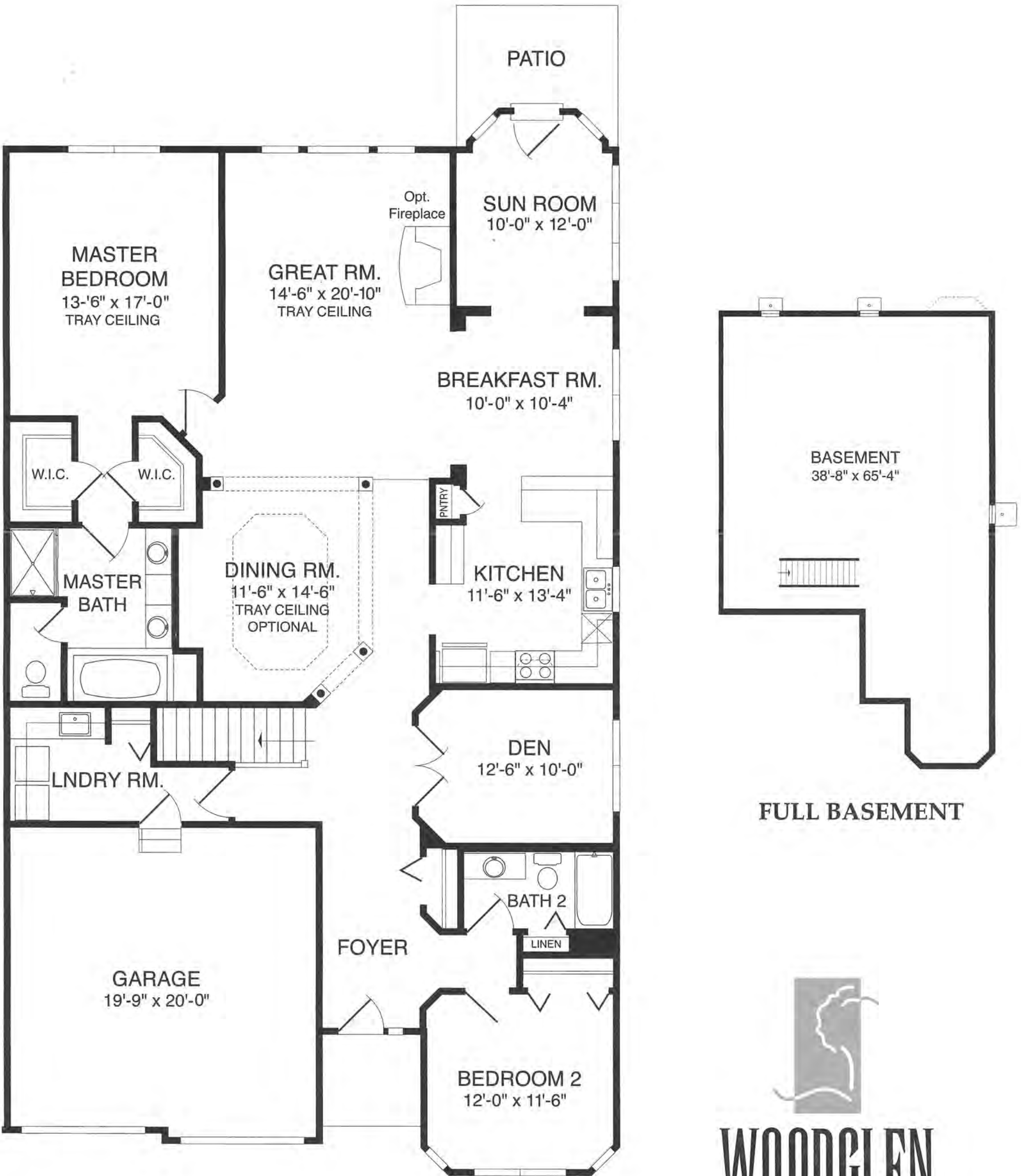
revisions:

no.	date	description	by
1	02/22/24	per Utility Department	KLL

THE BERKSHIRE

2,200 Sq. Ft.

A luxurious single level ranch home featuring 2 bedrooms plus den and corner sun room with french door to exterior patio or deck • 2 full baths • nine-foot ceilings spacious great room with tray ceiling • formal dining room with elegant columns and tray ceiling • gourmet kitchen including peninsula breakfast bar open to bright breakfast room • master bedroom suite with tray ceiling, 2 walk-in closets and luxurious master bath • large 1st floor laundry room with closet • 2-car garage • full basement • exterior patio or deck



THE BERKSHIRE



WOODGLEN

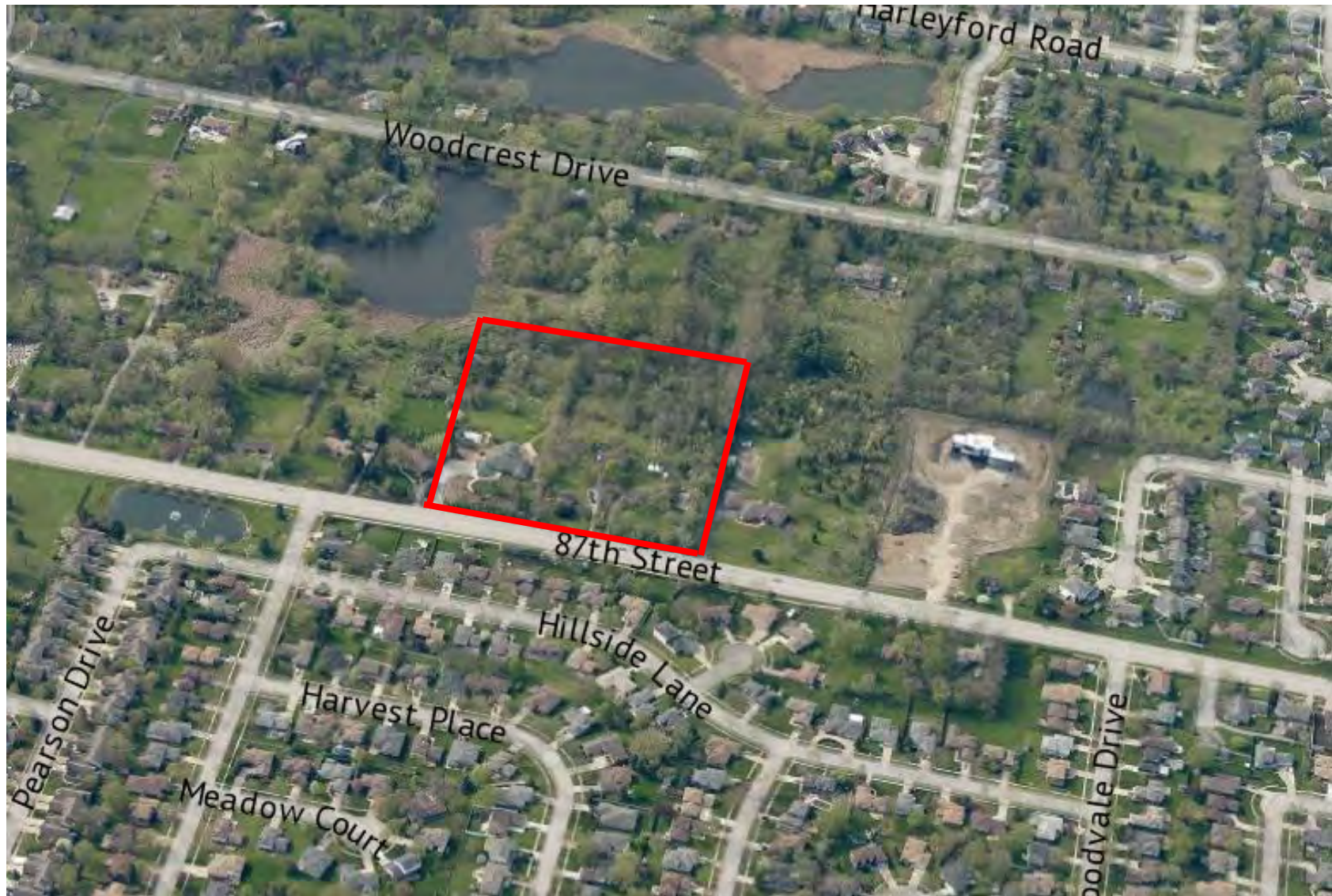
WOODLAND GLEN

87th Street - Darien, IL

SITDEVELOPMENT SCHEDULE

February 26, 2024

WORK DESCRIPTION	START DATE	COMPLETION DATE
Install Site Perimeter Fencing and Silt Fence/Erosion Control	06/03/24	06/07/24
Clear Brush and Trees	06/10/24	06/21/24
Building Demolition and Septic Tank Removal	06/17/24	07/05/24
Mass Grading/Earthwork	07/08/24	08/02/24
Install Underground Sewer, Water Main, Storm Sewer	08/05/24	08/30/24
Install Curb & Gutter and Asphalt Street Paving Binder Course	09/02/24	09/27/24
NICOR- Underground Gas Main Installation	09/30/24	10/11/24
Install Retaining Walls-Stormwater Detention Basin	10/07/24	10/25/24
COM ED, AT&T and Comcast- Underground Communication Cable Installation	10/07/24	10/31/24
Stormwater Basin - Native and BMP Planting	10/28/24	10/31/24
Install Street Lighting	11/04/24	11/15/24











CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

March 13, 2024

City of Darien
1702 Plainfield Road
Darien, Illinois

Attention: Jordan Yanke

Subject: Woodland Glen – Preliminary Plat
(CBBEL Project No. 950323.H0255)

Dear: Jordan

As requested on February 27, 2024, we have reviewed the Final Engineering Plans for the above project prepared by V3 and dated February 26, 2024. The proposed project consists of 17 duplex (two unit) homes. The following comments are submitted for your consideration, which will be addressed during Final Plat and Final Engineering stage of the approval process:

Final Engineering Plans

Specifications – 1.1

1. Under “Watermain Distribution System” eliminate 1.B to avoid confusion. The City requires ductile iron watermain. Also, add a note that the contractor shall coordinate with the City of Darien Utilities Superintendent for the make and model of all hydrants, valves, service taps, etc.
2. On Storm Sewer notes, add to item 1.B that PVC pipe shall be SDR 26 or C-900 if crossing watermains.

Demolition Plan – 2.1

3. A call out should be added to remove the retaining wall on the northeast end of the property with caution due to the proximity to the neighboring property driveway.
4. Add a note that the wells to be removed shall be done so in accordance with Du Page County Health Department regulations (similar to the note for monitoring wells).

Layout Plan – 3.0

5. The Typical Roadway Section diagram shows 4’ wide sidewalks. According to Village code 5B-1-7-7 4’ sidewalks are only allowed in single family residential

districts. The site is currently zoned R-1, but we will defer to the City staff for any proposed zoning changes that will necessitate a 5 foot wide sidewalk.

6. Streetlight locations shall be shown on this page.
7. Specify that the pavement markings (Stop Bars) will be thermoplastic, not paint.

Grading Plan – 4.0

8. Since all lots show boxes with top of foundation elevations, it is presumed that individual lot grading plans will be submitted for each building.
9. Add garage floor elevations for each building.
10. Lots 12-1, and 16-1 both show bold boldened corners. Please call out or provide a note providing information on what this is.
11. We recommend adding a note to not allow window wells in the side yards adjacent to the overland flow paths of lots 4-1, 6-2, 7.1, or provide minimum top of window well elevations to the plans.
12. The retaining wall is shown connecting to the existing south wall at the back of Lot 10/11. More detail should be shown on how this will be done. Also, this will require coordination and permission of the lot owner to the east.
13. Top wall and bottom wall elevations should be shown on the plans for the retaining walls in lot 8-2. This includes at the ends, bend in the wall, and at any steps in the top of wall.
14. There appears to be a typographical error in street centerline grades at Stations 14+00 and 14+50, as the centerline at 14+50 is higher than at 14+00.
15. Provide cross-sections of various overland flow routes including:
 - Between Lots 6/7
 - West side of Lot 4
 - Ease line of subdivision, particularly Lot 8
16. Section 15-34 of the Du Page County Stormwater Ordinance provides that any “Structure” which impounds greater than 3 feet of differential head must be signed and sealed by a Structural Engineer. The definition of Structure includes Dams, and the definition of Dam includes embankments to hold back or impound water. The proposed detention basin impounds water to a height of 5.5 feet.
17. Provide a typical section of the embankment around the detention basin including, but not limited to, any requirement to strip existing topsoil, composition of fill, compaction requirements, etc.

Erosion Control Plan – 4.1

18. Please show silt fence across lots 17-2 and 12-1 as well as across Woodland Lane up to the construction entrance. Silt fence shall encompass the site except for the construction entrance. We also suggest that silt fence be installed on the north side of the detention basin.
19. Provide sediment protection at the outlet from the detention basin (FES 3-2).
20. The locations of the following items shall be shown on this sheet:
 - a. Topsoil stockpile (with appropriate erosion protection).

- b. Concrete washout for the subdivision.
- c. Portable toilet.
- d. Construction trailer (if applicable).
- e. Worker parking area

Utility Plan – 5.0

- 21. Please call out the length, material, and slope of the storm sewer between ST 1-8 and ST 1-9.
- 22. Lots 4-1, 4-2, 5-1, 5-2, 6-1, 6-2, 7-1, 7-2, 8-1, and 8-2 do not have storm sewer stubs for sump pump discharges and are noted to daylight in the detention basin. Provide stubs from the storm structures behind these lots, which will be far easier to maintain.
- 23. Label SMH-2 on this plan sheet.
- 24. Note 3 states that all water services shall be 1.5" minimum. The detail on sheet 6.1 shows the water services as 1" diameter. Please clarify and revise to required diameter service.
- 25. For the watermain to be bored under 87th Street, clarify if there will be casing pipe, or the pipe material if directionally bored. If there will be casing pipe, provide a detail showing casing pipe size and spacer block details.
- 26. Add a streetlight at each intersection with 87th Street.
- 27. We note that the sanitary sewer will be reviewed and permitted by Du Page County Public Works, who will own and maintain the sewer and lift station.

Offsite Utility Plan – 5.1

- 28. While we will defer to Du Page County for review of the sanitary sewer, it appears that the sewer on Meadow Lane is outside of the right of way. If there is an existing easement, the limits shall be shown, and a document number referenced.
- 29. SMH 10 is shown as a drop manhole, although there is no drop shown with a change in invert elevations. We will defer to Du Page County.

Construction Details – 6.1

- 30. The valve vault detail shows 4' vaults for 6" & 8" diameter valves. Village code 5B-1-8-3 states that valves of this diameter require a 5' vault. Please revise the current details.
- 31. Provide design details for the proposed retaining walls.

Stormwater Management Report

32. Although the site is 7.34 acres as noted, the north approximately 1.5 acres drains to the north under existing conditions. The allowable release rate should be based on the area naturally flowing to the south. Revise the calculations accordingly.
33. With the revisions noted in the previous comment, if a standard pipe size will work for the restrictor, that is preferred to a plate restrictor.
34. While there are no wetlands on the property, there is wetland buffer. The proposed improvements extend up to the limit of the buffer. Provide documentation from Du Page County that they have confirmed the wetland and buffer delineation and concur that there are no impacts from the proposed development. Darien is a partial waiver community under the ordinance and therefore relies on Du Page County staff for determinations.

Final Plat of Subdivision

The Final Plat has been reviewed for compliance with Section 5B-1-6 of the City Subdivision Regulations. The following comments are provided:

35. We note that the proposed street is shown to be dedicated a public right of way. Section 5B-1-7.B.6 provides for a 66 foot right of way with 30-foot pavement width. The proposed plan shows a 50-foot wide right of way and although the street width is not labeled, it scales to 27 feet from back of curb to back of curb (confirmed as 27' with dimensions on Final Engineering plan). It is our understanding that a variance will be requested.
36. Section 5B-1-7.B.13 provides for street trees to be provided at a maximum 50 foot spacing. If a variation is granted for right of way width, consideration should be given to requiring a landscape easement for street trees in the 8 feet adjacent to the right of way on each side. This will allow for trees to be planted away from Village utilities.
37. Section 5B-1-7-G.1.a provides for a 150 radius on Minor Streets. The final layout shows a centerline radius of about 40 feet. V3 has stated that the radius is 53.5 feet. It is our understanding that a variance will be requested.
38. Add a note to the Plat that Outlot A will be owned and maintained by the Homeowner's Association.
39. Clarify with a note on the Plat if Outlot B will be owned by the HOA or by Du Page County. If conveyed to the County, documents will have to be provided prior to subdivision close-out.

General Comments

40. The current landscape plan shows parkway trees being planted directly on top of City utilities. Parkway trees shall be planted on the opposite side of the sidewalk to avoid conflicts with Village utilities. An additional landscaping easement will be required on lots 9-11 due to the sanitary force main being on the other side of the proposed sidewalk. This congestion is due to a narrow right of way.

41. Because 87th Street is a Du Page County highway, review, and approval from DuDOT will be required for the work in the County right of way. This has been acknowledged by V3.
42. An IEPA watermain construction permit and an NPDES permit will be required.
43. Du Page County Public Works will have to approve the proposed sanitary sewer and lift station.
44. We presume that a homeowner's association will be established to own and maintain the detention basin. Consideration should be given to establishing a special service area in the event the HOA does not adequately maintain the basin. V3 has stated that an HOA will be established to own and maintain the detention basin.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Daniel L. Lynch, PE, CFM
Vice President, Head Municipal Engineering Department

Cc Dan Gombac, City of Darien

MINUTES CITY OF DARIEN
PLANNING & ZONING COMMISSION MEETING

Wednesday, April 3, 2024

PRESENT: Lou Mallers – Chairperson, Shari Gillespie, Hilda Gonzalez, Chris Jackson, Julie Kasprowicz

ABSENT: Robert Erikson, Bryan Gay, Chris Green, Jonathan Johnson

OTHERS: Jordan Yanke – City Planner, Dan Gombac – Director

Chairperson Lou Mallers called the meeting to order at 7:00 p.m. at the Darien City Hall, Council Chambers, 1702 Plainfield Road, Darien, Illinois. Chairperson Mallers declared a quorum present.

Regular Meeting – New Business

- a. **PZC2024-02 (PAGE 7) 2941, 2963, and 2985 87th Street – Woodland Glen Development**
Petitioner requests final approval for a Planned Unit Development (PUD) and Final Plat of Subdivision. The petition specifically requests final approval for a 17-lot subdivision with 34 total dwelling units, or 17 two-family dwellings (i.e. duplexes). Property is comprised of 7.34 acres.

Mr. Jordan Yanke, City Planner reported that the process for moving forward with a PUD requires a preliminary plan approval and a final plan approval. He reported that the City Council approved the preliminary plan for the petition and they would be moving forward to approval of the final plan. He reported that the ordinance approved a zoning change for a 17-lot subdivision with 34 total units, or 17 two-family dwellings (i.e., duplexes). He reported that the ordinance approved a set of waivers and variations from the subdivision regulations, as well as a setback road width and curve radius. He further reported that with the approval of the final plan by the Planning & Zoning Commission, the City Council will vote to approve the final plan given it is in substantial conformance with the preliminary plan.

Mr. Yanke called attention to the City Engineer’s letter in the packet which contained comments for the applicant to address, references to outside permitting, including sanitary lift station, which would be approved by an outside entity, road cuts, and ingress/egress for Woodland Lane, which would be approved by the DuPage County Division of Transportation. He recommended that if the petition is approved the Plan Commission includes a condition in reference to the City Engineer’s letter.

Mr. Yanke referenced information included in the packet, which included a traffic impact study, stormwater report, the final plan and plat, and preliminary architectural renderings. He reported that the fire district reviewed and offered comments for revision, and that the Traffic Engineer approved the traffic impact study during preliminary revision. He further reported that the staff finds the final project complies with preliminary plans and conditions have been

met. He reported that Declarations for Covenants were submitted by the applicant and would be finalized for the HOA, initiated with a development approval in the subdivision.

Mr. Dan Gombac, Director reported that the 2 conditions being referred to are DuPage County conditions for 87th Street. He reported that the City of Darien does not maintain or mandate any changes for 87th Street, it is strictly DuPage County Division of Transportation. He further reported that the sanitary district is its own entity and that the City of Darien along with DuPage County sanitary district would apply for EPA permits for proper infrastructure.

Chairperson Mallers swore in the audience members wishing to present public testimony.

Mr. James Healy, Attorney, Goldstine, Skrodski, Russian, Nemecek & Hoff, Burr Ridge reported that there were no significant changes from the preliminary approval and that the final plan was in substantial conformance with the preliminary approval. He stated that the final ordinance would be conditioned based on the final engineering letter and would abide by all things necessary to develop the property.

Mr. Gombac informed the landscape consultant that there would be fencing placed along the eastern wall and that would be addressed in the permit plans.

Chairperson Mallers opened the conversation to any questions from Commissioners.

Commissioner Chris Jackson questioned if Mr. Yanke could provide a brief history of the case.

Mr. Yanke provided a summary of the ordinance that had been approved by City Council, including each of the conditions provided.

Chairperson Mallers opened the discussion to public comment.

Ms. Donna Bicknese stated her strong opposition to the petition. She stated that her family has lived in the neighborhood for 60 years and that there is nothing as dense as this project anywhere close. She stated that there would be no ability to go anywhere except by vehicle and that there are too many variances. Ms. Bicknese further stated that this would be a density more like the inner city and that she would continue to strongly oppose.

Ms. Karla Twombly stated that she lives directly behind the proposed development. She stated that there are many water problems on Woodcrest Drive that had not been addressed by DuPage County. Ms. Twombly stated that she has lived there for 65 years, and that when she was younger they did not have a pond but now have 2.5 acres under water. She stated that if they get any more water, their house will be in extreme danger. Ms. Twombly further stated that she must replace her sump pumps every 2 years. She stated that there has been no plan for excess water and that she is very concerned for the wellbeing of her house and property. She stated that where the water would be sent is a swamp and that her and her husband remain extremely opposed to the petition.

Chairperson Mallers asked that the engineer from Woodland Glen Development address the concerns from audience members.

Mr. Steve Kranenborg, Project Manager, V3 Companies, Ltd., Woodridge stated that the stormwater management series is in full compliance with the DuPage County stormwater ordinance, and that as part of their project they would provide about 3.5 acres of stormwater retention. He stated that the existing property is steeply sloped and drains southeast of the proposed development and as part of the project, as required by DuPage County, they would capture all stormwater on property and reroute it to the facility to be slowly released offsite.

Commissioner Julie Kasprowicz questioned if this process would be better for the property.

Mr. Kranenborg stated that there would be a net benefit to everyone downstream of the property.

Commissioner Jackson questioned if any of the property drains to the north.

Mr. Kranenborg stated that a small portion of the property drains back to 87th Street, and that, as required by DuPage County, they would be required to over restrict the net release of water, and that their restrictions would be even stricter than what the county ordinance requires.

Chairperson Mallers questioned if the drainage moves away from any particular property.

Mr. Kranenborg stated that the property is primarily sloped north and drains southeast to the existing wetland.

Chairperson Mallers questioned if Mr. Kranenborg would anticipate any of the concerns brought up by public comment.

Mr. Kranenborg stated that he did not anticipate public concerns as a direct result of the development. He stated that there is a history of drainage issues within the Woodcrest subdivision, but as part of the redevelopment of the property there would be a net benefit to those downstream due to the retention of stormwater.

Commissioner Jackson clarified that the project would not exacerbate the current issues.

Mr. Kranenborg stated that it will improve current issues, but they would not be doing any work on the downstream properties. He stated that they are doing all they can within the development property limits and in accordance of county ordinances.

There was some conversation among the commissioners clarifying Mr. Kranenborg's statements.

Ms. Becknese questioned, in reference to Mr. Kranenborg, how water would move east to west.

Chairperson Mallers stated that that issue would need to be looked at in future meetings.

Commissioner Jackson brought the engineering letter back to the attention of the audience.

Mr. Tony Antiporek stated that he lives east of the proposed development and that the water drains north to southeast across his property. Mr. Antiporek questioned who would be liable if this project does not work. He further questioned if he would be taxed if his property is not usable.

There was no further conversation pertaining to the proposed petition.

Commissioner Jackson made a motion seconded by Commissioner Gillespie to approve PZC2024-02 (PAGE 7) 2941, 2963, and 2985 87th Street – Woodland Glen Development. Petitioner requests final approval for a Planned Unit Development (PUD) and Final Plat of Subdivision. The petition specifically requests final approval for a 17-lot subdivision with 34 total dwelling units, or 17 two-family dwellings (i.e. duplexes). Property is comprised of 7.34 acres with the following condition:

- 1. Applicant complies with comments per City Engineer letter.**

Upon roll call vote the MOTION CARRIED 5-0.

Mr. Gombac reported that the petition would be forwarded to the Municipal Services Committee on April 22, 2024 at 6:00 p.m.

Staff Updates & Correspondence

Mr. Yanke reported that there are 2 economic interest statements, one with the City and one with the County, and the Commission should have received an email regarding this.

Mr. Yanke reported that there would be a tentative meeting June 19 as well as a PZC training for staff and Commissioners.

Mr. Gombac stated that the training would be segment of DePaul University and would be hosted by a zoning attorney providing context to different planning and zoning cases.

There was some conversation regarding the training.

Approval of Minutes

Commissioner Gonzalez made a motion, and it was seconded by Commissioner Kasprovicz to approve the February 7, 2024 Regular Meeting Minutes.

Upon roll call vote the MOTION CARRIED 5-0.

Next Meeting

Chairperson Mallers announced that the next meeting will be held on April 17, 2024, at 7:00 p.m.

Public Comments (On any topic related to Planning and Zoning)

There was no one in the audience wishing to present public comment.

Adjournment

With no further business before the Commission, Commissioner Gillespie made a motion, and it was seconded by Commissioner Gonzalez. Upon voice vote, the MOTION CARRIED unanimously, and the meeting adjourned at 7:31 p.m.

Respectfully Submitted:

Approved:

X

Jessica Plzak
Secretary

X

Lou Mallers
Chairperson

AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A **resolution** accepting a proposal at the unit prices for sidewalk grinding from Hard Rock Concrete Cutters, Inc., in an amount not to exceed \$251,100

AND

A **motion** for a Contingency in the amount of \$15,000 to cover any shortfall or additional grinding that may be field identified.

BACKGROUND/HISTORY

Staff is tasked annually with evaluating, identifying and marking sidewalk squares that require replacement. Typical replacement consists of replacing vertical mismatches starting at approximately $\frac{3}{4}$ of an inch. During the course of the past 20 years, the City has replaced numerous slabs and we have identified that in many cases we are replacing slabs that were removed and replaced 5-10 years prior. The cause of premature replacement is due to the tree roots. Due to the heavy clay content the roots thrive for the closest source of water and typically the storm water flows under the sidewalk due to stone base. As roots seek the water they continue to grow thus lifting sidewalk slabs resulting in mismatches and further creating a trip and fall hazard. In other situations, many of the mismatches are caused due to the frost and thaw cycles vertical mismatches. Please note the concrete grinding would only be utilized with vertical mismatches.

In 2023, a pilot program was initiated to demonstrate the cost savings of removing and replacing the concrete through a grinding process. The program consisted of completing 615 cuts/slabs at a cost of approximately \$25,000. The program was successful with no complaints regarding aesthetics, dusts or any additional environmental issues. The end result is an exposed aggregate finish and the structural integrity of the walk is not affected by the grinding.

The FY 24/25 Budget allocated funding for a program to mechanically grind the concrete mismatches. This year goal is complete grinding within the between Cass Avenue to Clarendon Hills Road and the 6600 Block to Plainfield Road. Staff solicited for competitive quotes and received two, see [Attachment A](#).

Staff is further requesting a contingency in the amount of \$15,000 should additional grinding be required or identified. The proposed expenditure would be expended from the following line account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 24-25 BUDGET	PROPOSED EXPENDITURE
25-35-4380	CONCRETE GRINDING	\$275,000	\$251,100
25-35-4380	CONCRETE GRINDING CONTINGENCY		\$15,000

Hard Rock was the awarded vendor for last years project and was completed very professionally including a detailed report documenting all grinds.

STAFF RECOMMENDATION

Staff recommends a resolution accepting a proposal at the unit prices for sidewalk grinding from Hard Rock Concrete Cutters, Inc., in an amount not to exceed \$251,100

AND

A motion for a contingency in the amount of \$15,000 to cover any shortfall or additional grinding that may be field identified.

ALTERNATE DECISION

As recommended by the Committee.

DECISION MODE

This item will be on the May 6, 2024 City Council, New Business agenda for formal consideration.

Due: March 27, 2024
 City of Darien - 9:30 a.m.

**Quote for Saw Cutting/Grinding Fees
 2024/2025**

			Murphy Construction Services, LLC.		Hard Rock Concrete Cutters, Inc.	
DESCRIPTION	QUANTITY-RANGE	UNIT	UNIT PRICE PER HOUR	TOTAL COSTS	UNIT PRICE PER HOUR	TOTAL COSTS
Saw Cutting/Grinding	6000	per cut or per slab	\$ 80.00	\$ 480,000.00	\$ 41.85	\$ 251,100.00



RESOLUTION NO. _____

**A RESOLUTION ACCEPTING A PROPOSAL AT THE UNIT PRICES FOR
SIDEWALK GRINDING FROM HARD ROCK CONCRETE CUTTERS, INC.,
IN AN AMOUNT NOT TO EXCEED \$251,100**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU
PAGE COUNTY, ILLINOIS, as follows:**

SECTION 1: The City Council of the City of Darien does hereby accept a proposal at the unit prices for sidewalk grinding from Hard Rock Concrete Cutters, Inc., in an amount not to exceed \$251,100, a copy of which is attached hereto as "[Exhibit A](#)".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

**PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of May 2024.**

AYES: _____

NAYS: _____

ABSENT: _____

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS this 6th day of May 2024.**

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

APPENDIX C: AGREEMENT ACCEPTANCE

CITY OF DARIEN 2024 SIDEWALK SAW CUTTING PROGRAM ACCEPTANCE

The Contract/Proposal attached hereto and by this reference incorporated herein and made a part hereof is hereby accepted by the order of the City of Darien ("Owner") this _____ day of _____, 20____.

This Acceptance, together with the Contract/Proposal attached hereto, constitutes the entire and only agreement between the parties relating to the accomplishment of the Work and the compensation therefore and supersedes and merges any other prior or contemporaneous discussions, agreements, or understandings, whether written or oral, and shall prevail over any contradictory or inconsistent terms or conditions contained in any purchase order, acceptance, acknowledgement, invoice, or other standard form used by the parties in the performance of the Contract/Proposal. Any such contradictory or inconsistent terms or conditions shall be deemed objected to by Owner without further notice of objection and shall be of no effect nor in any circumstances binding upon Owner unless accepted by Owner in a written document plainly labeled "Amendment to Contract/Proposal." Acceptance or rejection by Owner or any such contradictory or inconsistent terms or conditions shall not constitute acceptance of any other contradictory or inconsistent terms or conditions.

By: _____

Title: Mayor-City of Darien

SCHEDULE OF PRICES
2024 SIDEWALK SAW CUTTING PROGRAM
CITY OF DARIEN, ILLINOIS

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
SAW CUTTING/GRINDING	6000	PER CUT OR PER SLAB	\$41.85	\$251,100.00
TOTAL PROJECT COST				

Total Cost in written form: Two-hundred fifty-one thousand one hundred dollars and 00/100 cents

Company Name: Hard Rock Concrete Cutters, Inc.

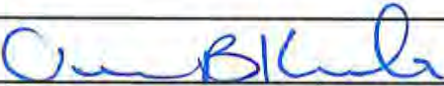
Address: 601 Chaddick Drive, Wheeling, IL 60090

Contact Name: Corrie B. Krula

Office Number: 847-850-7713

Mobile Number: 224-688-1342

Email: corrie@hrccinc.com

Authorized signature: 

BIDDER SUMMARY SHEET

2024 CITY OF DARIEN SIDEWALK SAWCUTTING PROGRAM

Firm Name: Hard Rock Concrete Cutters, Inc.

Address: 601 Chaddick Drive

City, State, Zip Code: Wheeling, IL 60090

Contact Person: Mrs. Corrie B. Krula

FEIN #: 36-3498113

Phone: (847) 850-7713 Fax: (847) 699-0292

Mobile: (224) 688-1342

E-mail Address: corrie@hrccinc.com

RECEIPT OF ADDENDA: The receipt of the following addenda is hereby acknowledged:

Addendum No. 1, Dated March 13, 2024

Addendum No. _____, Dated _____

THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

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 1961, as amended.

Authorized Signature: Corrie B. Krula

Company Name: Hard Rock Concrete Cutters, Inc.

Name Printed: Mrs. Corrie B. Krula

Title: President

Date: March 18, 2024

Telephone Number: 847-850-7713

E-mail: corrie@hrccinc.com

March 13, 2024

ADDENDUM 1

Sealed Bid for City of Darien 2024 Sidewalk Saw Cutting Program

Issued: March 7, 2024

Bid Date: March 27, 2024

Bid Time: 9:30 AM

The following pages shall be replaced:

2, 22 and 24

The revised and attached pages shall be replaced for the above.

2a, 22a, and 24a

The revision refers to the maximum elevation of saw-grinding cut:

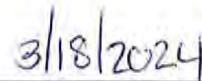
2 3/4 inches shall be deleted and revised to a maximum of 1 3/4 of an inch

This sheet Addendum 1 must be signed, dated and returned with the bid package.

I hereby am in receipt of the Addendum 1.



Signature



Dated

Hard Rock Concrete Cutters, Inc

Company Name

AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A [resolution](#) authorizing the purchase of the Phase 3-Leak Logger Program, consisting of 217 leak logger units from Gutermann Inc., in an amount not to exceed \$219,441.70.

BACKGROUND/HISTORY

The logger system is Phase 3-4 to be utilized by the Water Division to proactively locate and pinpoint leaks while they are small. The detectors, (loggers) are placed in water vaults and/or hydrant auxiliary valves. The loggers detect leaks through sound waves. When a leak occurs, the sound will amplify from the pipe and the adjacent ground area. As the detection state changes, a water sensor will be awakened on the radio and send data to a wireless gateway. Through a correlation process the loggers calculate the origin of the leak and process the information through the Gutermann I-Cloud gateway service. The cloud-based technology then sends an alert to a monitoring app on a mobile device or desktop application. The loggers provide daily monitoring, 365 days a year.

This program is considered Phase 3 of 4 and is budgeted over a three-year program, pending budget considerations. The cost of the entire program will be approximately \$616,000 with reoccurring costs after the initial five years of each phase. Please note the program was presented and approved under a City Council Agenda Memo dated March 6, 2023, see [Attachment A](#) followed by the subsequent purchase, Phase 2 attached and labeled as [Attachment B](#). The pricing continues to be maintained as originally proposed. Attached and labeled as [Attachment C](#), is a revised breakdown of Phase 2-4. The breakdown further illustrates a capital reduction due to specific items that are not required. The reoccurring costs, hosting costs, will be budgeted beginning 2027/2028.

The proposed expenditure would be expended from the following line accounts:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 24/25 BUDGET	PROPOSED EXPENDITURE	ACCOUNT BALANCE
02-50-4815	Capital Purchases Leak Detection Equipment & Data Loggers	\$220,000.00	\$219,441.70	\$558.30

STAFF RECOMMENDATION

Staff recommends a resolution authorizing the purchase of the Phase 3-Leak Logger Program, consisting of 217 leak logger units from Gutermann Inc., in an amount not to exceed \$219,441.70.

ALTERNATE DECISION

As recommended by the Committee.

DECISION MODE

This item will be placed on the May 6, 2024 City Council agenda for formal consideration.

AGENDA MEMO
City Council
March 6, 2023

ISSUE STATEMENT

A resolution authorizing the purchase of the Phase 1-Leak Logger Program, consisting of fifty-two leak logger units from Gutermann Inc., in an amount not to exceed \$58,965.

RESOLUTION

BACKGROUND/HISTORY

The proposed leak detection system would be utilized by the Water Division to proactively locate and pinpoint leaks while they are small. The detectors, (loggers) are placed in water vaults and/or hydrant auxiliary valves. The loggers detect leaks through sound waves. When a leak occurs, the sound will amplify from the pipe and the adjacent area. As the detection state changes, a water sensor will be awakened on the radio and send data to a wireless gateway. Through a correlation process the loggers calculate the origin of the leak and process the information through the Gutermann I-Cloud gateway service. The cloud-based technology then sends an alert to a monitoring app on a mobile device or desktop application.

This program will also eliminate the need to outsource leak locating services at a cost of approximately \$15,000-\$20,000 per year. The loggers will provide monitoring 24 hours per day 365 days a year. The program will have hosting costs after the initial five years, see attached sheet labeled as Attachment A.

This program is considered Phase 1 of 4 and is budgeted over a four-year program, pending budget considerations. The cost of the entire program will be approximately \$616,000 with reoccurring costs after the initial five years of each phase. As stated in the attached email, the pricing will be good for the entire project, see Attachment B. A further evaluation on the the return on investment throughout each phase was calculated and the program would pay for itself in 2.25 to 2.5 years. The reoccurring costs would be budget beginning 2027/2028. Please see Attachment A, summarizing the phases and costs.

Staff reviewed leak logger manufacturers and contacted municipalities that have deployed such systems. Upon review, it was determined that two vendors would meet the needs for the City of Darien. As additional information, Attachment C is technical information regarding the system.

Staff had solicited quotes for the leak loggers and received the following competitive quotes:

VENDOR	PHASE 1 COST	PHASE 2 COST	PHASE 3 COST	PHASE 4 COST	TOTAL COSTS
Gutermann	\$58,965	\$209,000	\$209,000	\$209,000	\$685,965
Subsurface Solutions	\$65,624	\$244,000	\$244,000	\$244,000	\$797,624

The proposed expenditure would be expended from the following line accounts:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 23/24 BUDGET	PROPOSED EXPENDITURE	PROPOSED BALANCE
02-50-4815	Capital Purchases Leak Detection Equipment & Data Loggers	\$ 66,000	\$ 58,965	\$ 7,035

COMMITTEE RECOMMENDATION

The Municipal Services Committee recommends approval of a resolution authorizing the purchase of the Phase 1-Leak Logger Program, consisting of fifty-two leak logger units from Gutermann Inc., in an amount not to exceed \$58,965.

ALTERNATE DECISION

As recommended by the City Council.

DECISION MODE

This item will be placed on the March 6, 2023 City Council agenda for formal consideration.

PHASE 1 OF 3 ALL INCLUSIVE 5 YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gatermann - ZONESCAN-NB-IDT
ZS-NBHD-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBHD-KIT-90-29	52	EACH	\$ 1,365.00	25%	\$ 53,235.00
NBHD-SIMCARD	52	EACH	\$ 55.00	0%	\$ 2,860.00
ZS-LB-ANTENNAS	52	EACH	\$ 30.00	100%	\$ -
Training - On Site. Includes One day of training, travel and expenses	1	LUMP SUM	\$ 2,500.00	0%	\$ 2,500.00
Shipping	3	EACH	\$ 40.00	0%	\$ 120.00
TOTAL COST INCLUSIVE- FIVE YEARS					\$ 58,965.00

PROGRAM 1 OF 3 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING COST	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 8 year term (\$18/Year)	52	MONTHLY	\$ 1.50	\$ 936.00	\$ 4,680.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$41/Year)	52	MONTHLY	\$ 8.92	\$ 572.00	\$ 2,860.00	N/A
Total Recurring Cost Years 6-10				\$ 1,508.00	\$ 7,540.00	N/A
Sensor Battery Replacement - Every 8 years	52	EACH	\$ 20.00	\$ 1,040.00	\$ 650.00	\$ 1,040.00
Total Recurring Cost-Year 8				\$ 1,638.00	\$ 8,190.00	\$ 1,040.00

RETURN ON INVESTMENT	PHASE 1 INVESTMENT	AVERAGE ANNUAL WATER LOSS COST	SAVINGS	REDUCED AVERAGE ANNUAL WATER LOSS COST
PHASE 1 - 52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)

PHASE 2-

WATER LOSS CHART AND WHOLESALE COST

Break Size: 1/16" x 180 Degrees of 360					
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon-		Annual Loss in Gallons	Annual Cost
		Wholesale			
2	45,600	\$ 4.97		16,644,000	\$ 82,720.68
4	81,400	\$ 4.97		29,711,000	\$ 147,663.67
6	136,800	\$ 4.97		49,912,000	\$ 248,162.04
8	182,400	\$ 4.97		66,576,000	\$ 330,882.72
10	228,100	\$ 4.97		83,265,000	\$ 413,284.81
12	273,700	\$ 4.97		99,900,000	\$ 496,505.40
16	364,900	\$ 4.97		133,188,000	\$ 661,246.85

Break Size: 1/16" x 360 Degrees					
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon		Annual Loss in Gallons	Annual Cost
		Wholesale			
2	91,100	\$ 4.97		33,251,500	\$ 165,259.96
4	182,500	\$ 4.97		66,612,500	\$ 331,064.13
6	273,600	\$ 4.97		99,864,000	\$ 496,324.08
8	364,800	\$ 4.97		133,152,000	\$ 661,705.44
10	456,200	\$ 4.97		166,513,000	\$ 827,569.63
12	547,400	\$ 4.97		199,801,000	\$ 993,010.97
16	729,900	\$ 4.97		266,413,500	\$ 1,324,075.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW GALLONS PER DAY	UNACCOUNTABLE FLOW GALLONS PER YEAR	WHOLESALE COST PER 100 GALLONS RATE IS AVERAGE PER TO LMO REPORTING CALENDER	WHOLESALE COST
2002	9.80	177,096	64,641,312	4.97	(27,084.14)
2001	7.50	136,194	49,711,372	4.97	(247,064.58)
2020	14.00	274,000	100,012,000	4.97	(497,084.23)
2019	8.00	113,996	41,604,396	4.97	(206,350.65)
2018	9.40	179,225	65,440,125	4.97	(321,360.55)
2017	18.20	389,811	142,281,691	4.97	(699,082.73)
2016	14.40	292,000	106,380,000	4.97	(531,584.61)
**2015	14.80	274,000	100,010,000	4.97	(505,048.52)
**2014	4.50	99,200	34,335,000	4.97	(169,423.31)
2013	3.10	69,200	25,258,000	3.03	(76,531.74)
2012	3.50	89,233	32,569,669	2.73	(88,915.23)
2011	1.67	46,720	17,014,900	2.73	(46,560.11)
2010	7.90	191,000	69,715,000	2.73	(190,321.81)
2009	6.90	133,000	48,843,000	2.73	(132,456.81)
2008	3.20	81,000	29,560,000	2.73	(80,712.48)
2007	1.40	29,000	10,611,000	2.73	(29,791.60)
2006	4.97	102,000	37,230,000	2.73	(101,637.00)
2005	3.80	68,500	25,302,500	2.73	(69,185.63)
AVERAGE	5.59	129,018	47,114,209	2.73	(128,621.77)

* A major leak was identified at Caw Ave and South Frontage Rd-accounting for the increase.

**New standards implemented for calculations-First standard goal is to be under 12% water loss

PHASE 2 OF 4 ALL INCLUSIVE 5 YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gutermann - ZUNESCAN-NB-4091
ZS-NBHOT-PROG-KIT	193	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBHOT-KIT-96-29	193	EACH	\$ 1,365.00	30%	\$ 184,115.50
NBHOT-SIMCARD	193	EACH	\$ 55.00	0%	\$ 10,615.00
ZS-LB-ANTENNAS	193	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	1	EACH	\$ 1,000.00	0%	\$ 1,000.00
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	1	PER DAY	\$ 1,000.00	0%	\$ 1,000.00
Shipping--Estimated	1	LUMP SUM	\$ 2,600.00	0%	\$ 2,600.00
TOTAL COST INCLUSIVE-FIVE YEARS					\$ 199,876.50

PHASE 2 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$1W/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10				\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost-Year 8				\$ 6,079.50	\$ 30,397.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT	AVERAGE ANNUAL WATER LOSS	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE 1 -5 LOGGERS	\$ 58,965.00	#####	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE 2 -193 LOGGERS	\$199,876.50	\$(268,119.14)	\$ 258,841.50	\$ (9,277.64)	\$ (46,388.22)	37.7%
TOTALS	\$258,841.50	N/A	N/A	N/A	N/A	46.3%
TOTAL INVESTMENT COST	\$485,965.00					

WATER LOSS CHART AND WHOLESALE COST

Break Size: 178" x 100 Degrees of 360				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon Wholesale	Annual Loss in Gallons	Annual Cost
2	45,500	4.97	16,644,000	\$ 82,720.80
4	32,400	4.97	29,712,000	\$ 147,663.67
6	152,400	4.97	49,632,000	\$ 246,862.68
8	282,400	4.97	92,376,000	\$ 461,382.72
10	298,500	4.97	83,256,000	\$ 413,784.81
12	271,500	4.97	99,900,000	\$ 496,505.49
16	364,900	4.97	133,188,000	\$ 661,246.81

Break Size: 178" x 360 Degrees				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,500	4.97	33,235,000	\$ 165,259.96
4	182,500	4.97	66,632,000	\$ 331,264.43
6	273,500	4.97	99,984,000	\$ 499,264.00
8	364,500	4.97	133,320,000	\$ 661,762.48
10	456,200	4.97	166,532,000	\$ 827,569.81
12	547,800	4.97	199,803,000	\$ 993,019.97
16	739,900	4.97	269,413,000	\$ 1,338,079.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW - GALLONS PER DAY	UNACCOUNTABLE FLOW - GALLONS PER YEAR	WHOLESALE COST PER REPORTING CALENDER	WHOLESALE COST
2002	0.00	177,000	64,641,000	0	\$ 320,088.14
2003	7.50	136,100	49,711,375	4.97	\$ 1,247,058.74
2004	14.00	274,000	100,032,000	4.97	\$ 4,977,089.24
2005	8.00	289,000	105,267,000	4.97	\$ 5,250,909.00
2006	9.00	199,500	72,448,500	4.97	\$ 3,611,928.30
2007	15.20	389,500	142,287,000	4.97	\$ 7,090,782.17
2008	14.40	292,000	106,580,000	4.97	\$ 5,311,284.00
2009	14.00	274,000	100,032,000	4.97	\$ 4,977,089.24
2010	4.50	99,200	35,835,000	4.97	\$ 1,774,423.98
2011	1.10	99,200	35,835,000	3.03	\$ 76,337.72
2012	3.10	99,200	35,835,000	2.73	\$ 98,012.28
2013	0.00	99,200	35,835,000	2.73	\$ 98,012.28
2014	7.90	191,000	69,510,000	2.73	\$ 190,323.18
2015	4.40	153,000	55,440,000	2.73	\$ 152,458.98
2016	3.20	81,000	29,565,000	2.73	\$ 80,712.00
2017	1.40	29,900	10,911,300	2.73	\$ 29,709.84
2018	4.93	102,000	37,230,000	2.73	\$ 101,637.78
2019	3.80	88,500	32,302,500	2.73	\$ 88,145.58
AVERAGE	8.55	129,800	47,114,200	2.73	\$ 128,623.17

* A major leak was identified at Cass Ave and South Frontage Rd accounting for the increase.

**New standard implemented for calculations-First standard goal is to be under 12% water loss

PHASE3 OF 4 ALL INCLUSIVE YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Guterman - ZONESCAN NB-101
ZS-NBROT-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBROT-KIT-90-29	193	EACH	\$ 1,365.00	30%	\$ 184,411.50
NBROT-SIMCARD	193	EACH	\$ 55.00	0%	\$ 10,615.00
ZS-LB-ANTENNAS	193	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	0	EACH	\$ 1,000.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	2	PER DAY	\$ 1,000.00	0%	\$ 2,000.00
Shipping--Estimated	1	LUMP SUM	\$ 2,000.00	0%	\$ 2,000.00
TOTAL COST INCLUSIVE FIVE YEARS					\$ 199,876.50

PHASE3 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURR	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$18/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10				\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost Year 8				\$ 6,079.50	\$ 30,597.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT COST	AVERAGE ANNUAL WATER LOSS	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE1 -52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE2 -193 LOGGERS	\$199,876.50	\$ (268,119.14)	\$ 258,841.50	\$ (9,277.64)	\$ (46,388.22)	37.7%
PHASE3 -193 LOGGERS	\$199,876.50	\$ (9,277.64)	\$ 458,718.00	\$ 449,440.36	\$ 2,247,201.78	66.9%
TOTALS	\$458,718.00	N/A	N/A	N/A	N/A	113.2%
TOTAL INVESTMENT COST	\$688,965.00					

WATERLOSS CHART AND WHOLESALE COST

Break Size: 100" x 100 Diagonals of 300				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon Wholesale	Annual Loss in Gallons	Annual Cost
2	45,600	4.97	16,644,000	\$ 82,720.68
4	81,400	4.97	29,711,000	\$ 147,661.07
6	136,800	4.97	68,192,400	\$ 338,312.04
8	182,400	4.97	91,572,800	\$ 455,116.82
10	238,200	4.97	118,782,600	\$ 591,348.61
12	274,200	4.97	136,277,400	\$ 677,298.78
16	364,200	4.97	181,207,800	\$ 903,602.76

Break Size: 100" x 200 Diagonals				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,200	4.97	33,252,000	\$ 165,441.36
4	162,800	4.97	59,511,600	\$ 295,681.13
6	273,600	4.97	100,861,200	\$ 503,280.37
8	364,200	4.97	133,152,000	\$ 661,765.44
10	454,800	4.97	165,511,200	\$ 823,098.42
12	545,400	4.97	198,061,800	\$ 986,269.81
16	729,000	4.97	266,411,400	\$ 1,324,075.22

WATER INVENTORY (AMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW - GALLONS PER DAY	UNACCOUNTABLE FLOW - GALLONS PER YEAR	WHOLESALE COST PER 1000 GALLONS RATE IS AVERAGE OF 1340 REPORTING CALENDERS	WHOLESALE COST
2020	9.9%	177,079	64,411,313	4.98	\$ 320,084.13
2021	7.5%	136,151	49,311,113	4.98	\$ 245,684.34
2020	14.0%	274,051	100,071,523	4.98	\$ 497,684.21
2020	8.0%	147,886	53,684,916	4.98	\$ 267,358.97
2019	9.4%	179,259	65,480,113	4.92	\$ 323,783.77
2017	18.2%	389,837	142,281,000	4.86	\$ 690,062.74
2019	14.4%	262,200	95,500,000	4.80	\$ 458,100.00
**2015	14.5%	274,000	100,000,000	4.80	\$ 480,000.00
**2014	4.5%	92,200	33,500,000	4.80	\$ 160,560.00
2013	1.1%	67,200	24,336,000	5.00	\$ 121,680.00
2012	1.9%	97,200	35,268,000	5.00	\$ 176,340.00
2011	1.6%	86,720	31,284,992	5.00	\$ 156,424.96
2010	3.9%	197,000	71,313,000	5.00	\$ 356,565.00
2009	6.4%	153,000	55,402,000	5.00	\$ 277,010.00
2008	8.2%	151,000	54,660,000	5.00	\$ 273,300.00
2007	1.4%	76,000	27,600,000	5.00	\$ 138,000.00
2006	4.9%	102,000	37,000,000	5.00	\$ 185,000.00
2005	3.8%	88,500	32,002,500	5.00	\$ 160,012.50
AVERAGE	6.5%	120,000	43,144,200	5.00	\$ 215,721.00

* A major leak was identified at Cass Ave and South Frontage Rd accounting for the increase.

**New standards implemented for calculations. First standard goal is to be under 12% water loss

PHASE 4 OF 4 ALL INCLUSIVE 5 YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gutermann - ZONSCAN NB-IOT
ZS-NBIOT-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBIOT-KIT-98-29	193	EACH	\$ 1,365.00	30%	\$ 184,411.50
NBIOT-SIMCARD	193	EACH	\$ 55.00	0%	\$ 10,615.00
ZS-LB-ANTENNAS	193	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	0	EACH	\$ 1,000.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	2	PER DAY	\$ 1,000.00	0%	\$ 2,000.00
Shipping--Estimated	1	LUMP SUM	\$ 2,600.00	0%	\$ 2,600.00
TOTAL COST INCLUSIVE- FIVE YEARS					\$ 199,876.50

PHASE 4 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$18/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10	193			\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost-Year 8				\$ 6,079.50	\$ 30,397.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT	AVERAGE ANNUAL WATER LOSS COST	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE 1 -52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE 2 -193 LOGGERS	\$ 199,876.50	\$ (268,119.14)	\$ 258,841.50	\$ (9,277.64)	\$ (46,388.22)	37.7%
PHASE 3 -193 LOGGERS	\$ 199,876.50	\$ (9,277.64)	\$ 458,718.00	\$ 449,440.36	\$ 2,247,201.78	66.9%
PHASE 4 -193 LOGGERS	\$ 199,876.50	\$ 449,440.36	N/A	N/A	N/A	N/A
TOTALS	\$ 658,594.50	\$ -	N/A	N/A	N/A	113.2%
TOTAL INVESTMENT COST	\$ 685,965.00					

WATER LOSS CHART AND WHOLESALE COST

Break Size: 1/16" x 180 Degrees of 360				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon- Wholesale	Annual Loss in Gallons	Annual Cost
2	45,600	\$ 4.97	16,644,000	\$ 82,720.68
4	81,400	\$ 4.97	29,711,000	\$ 147,663.67
6	136,800	\$ 4.97	49,932,000	\$ 248,162.04
8	182,400	\$ 4.97	66,576,000	\$ 330,882.72
10	228,100	\$ 4.97	83,256,000	\$ 413,784.81
12	273,700	\$ 4.97	99,900,000	\$ 496,505.49
16	364,900	\$ 4.97	133,188,500	\$ 661,946.85

Break Size: 1/16" x 360 Degrees				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,100	\$ 4.97	33,251,500	\$ 165,259.96
4	182,500	\$ 4.97	66,612,500	\$ 331,064.13
6	273,600	\$ 4.97	99,864,000	\$ 496,324.08
8	364,800	\$ 4.97	133,152,000	\$ 661,765.44
10	456,200	\$ 4.97	166,513,000	\$ 827,569.61
12	547,400	\$ 4.97	199,801,000	\$ 993,010.97
16	729,900	\$ 4.97	266,413,500	\$ 1,324,075.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW - GALLONS PER DAY	UNACCOUNTABLE FLOW - GALLONS PER YEAR	WHOLESALE COST PER 1000 GALLONS-RATE IS AVERAGE DUE TO LMO REPORTING CALENDER	WHOLESALE COST
2022	9.30%	177,099	64,641,135	\$ 5.06	\$ (327,084.14)
2021	7.50%	136,195	49,711,175	\$ 4.97	\$ (247,064.54)
2020	14.00%	274,000	100,012,000	\$ 4.97	\$ (497,064.21)
2019	6.60%	113,384	41,604,160	\$ 4.96	\$ (208,358.63)
2018	9.40%	179,238	65,440,130	\$ 4.92	\$ (321,965.39)
2017	18.20%	389,810	142,281,000	\$ 4.85	\$ (690,062.83)
2016	14.40%	292,000	106,580,000	\$ 4.80	\$ (511,584.00)
**2015	14.80%	274,000	100,010,000	\$ 4.85	\$ (485,048.50)
*2014	4.55%	99,200	35,935,000	\$ 4.68	\$ (442,423.80)
2013	3.18%	69,200	25,258,000	\$ 3.03	\$ (76,531.74)
2012	3.76%	89,232	32,569,669	\$ 2.73	\$ (88,915.20)
2011	1.61%	46,250	17,054,099	\$ 2.73	\$ (86,500.72)
2010	7.96%	191,000	69,715,000	\$ 2.73	\$ (180,321.99)
2009	6.40%	153,000	55,845,000	\$ 2.73	\$ (152,456.83)
2008	3.20%	81,000	29,565,000	\$ 2.73	\$ (80,712.45)
2007	1.46%	29,900	10,913,500	\$ 2.73	\$ (29,793.86)
2006	4.91%	102,000	37,230,000	\$ 2.73	\$ (101,637.90)
2005	3.80%	88,500	32,302,500	\$ 2.73	\$ (88,185.83)
AVERAGE	5.55%	129,080	47,114,200	\$ 2.73	\$ (128,621.77)

* A major leak was identified at Cross Ave and South Frontage Rd-accounting for the increase.
 **New standards implemented for calculations-First standard goal is to be under 12% water loss

Regina Kokkinis

From: Dan Gombac
Sent: Wednesday, February 22, 2023 3:17 PM
To: Regina Kokkinis
Subject: Leak Loggers

Need to incorporate email into agenda memo that the prices will be held.

From: Kris Throm <kthrom@darienil.gov>
Sent: Wednesday, February 22, 2023 10:23 AM
To: Dan Gombac <dgombac@darienil.gov>
Subject: FW: Checking In

See below for Gutermann pricing.

Thanks,

Kris Throm
City of Darien Municipal Services
Superintendent
 (630) 514-3453

To receive important information from the City of Darien sign up for our electronic newsletter:

DARIEN DIRECT CONNECT

Follow the link below and subscribing is simple! <http://www.darien.il.us/Reference-Desk/DirectConnect.aspx>

From: Cameron Keyes <cameron.keyes@gutermann-water.com>
Sent: Tuesday, February 21, 2023 12:36 PM
To: Kris Throm <kthrom@darienil.gov>
Subject: Re: Checking In

Hello Kris,

Thanks for the email. The pricing will be good for the entire project!

As for a trial and a Western Springs contact yes. I say we set up 10 or so loggers in your system ASAP. I'll be in the area for WaterCon the week of March 20th. Do you want to schedule something for the 23rd?

Looking forward to it.

Cameron Keyes

Director - North America : Gutermann, Inc.

C: 603-320-9166 F: 603-292-6171

www.linkedin.com/in/cameronkeyesgutermann

Correlating Loggers & Permanent Monitoring Systems

ZONESCAN

Smallest correlating radio logger on the market.

- Correlating loggers with high pinpointing accuracy for mobile applications (Lift & Shift or Drive-by)
- Intuitive and versatile Android software ZONESCAN Smart for use with phones and tablets
- Optional data upload to ZONESCAN Net cloud service
- Optimised battery life



Fixed Distribution Network Monitoring

ZONESCAN

Compact permanently installed noise loggers with direct NB-IoT data communication to the Gutermann Cloud.

- Robust data communication of the logger from the chamber to the cloud, even through cast iron lids
- Automatic synchronisation of loggers for accurate leak pinpointing (full correlation)
- NB-IoT is perfect for environmental monitoring thanks to excellent deep coverage, low communication costs and high energy-efficiency
- Easy installation with ZONESCAN INSTALL - Battery changeable in the field



ZONESCAN

Fully correlating monitoring system with complete RF infrastructure.

- Award-winning permanent monitoring system for municipalities without reliable NB-IoT cell coverage
- Fully automatic and highly accurate leak alarming and pinpointing
- Sophisticated Gutermann Cloud software with map-based views, dashboards reports and event management tools
- Hundreds of systems installed around the world



Fixed Trunk Main Monitoring

HISCAN

Permanent trunk main monitoring with hydrophones.

- Daily automatic correlations and near real-time leak alarms
- Precise pinpointing even of small emerging leaks
- Increased sensitivity even on plastic pipes using redesigned hydrophones
- Long distances between measuring points
- Energy independence thanks to solar panels
- Upload of data to the ZONESCAN Net cloud



CASE STUDIES



MULTISCAN ↗ ZONESCAN ↗ AQUASCAN ↗

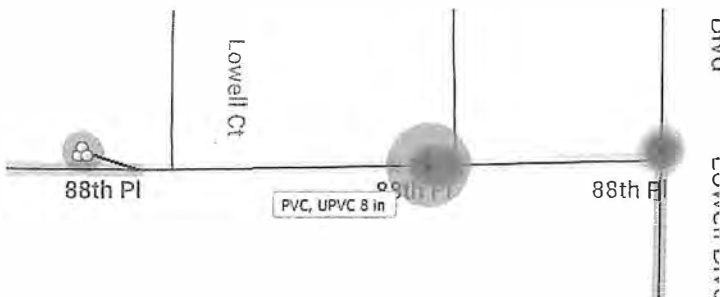
Product: MULTISCAN ↗

Type: Real-Time/Overnight
Multi-point Correlator

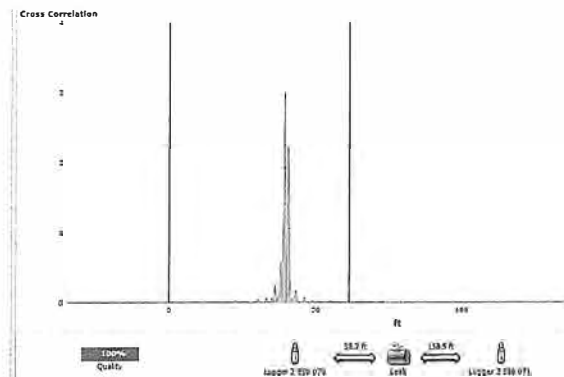
Utility/Company: Westminster, CO
Pipe Material/Diameter: 8" PVC Main
Correlation Quality(s): 100%

Time of Measurement: 8:37 A.M.

Summary: Leak was found after a pro-active leak survey, aimed at reducing non-revenue water. Three (3) sensors produced three leak correlations; one directly at the T-intersection between two sensors placed on Lowell Blvd, and two directly on the leaky hydrant's position, on 88th Pl. The leak was due to a corroded hydrant shoe valve, which was later replaced.



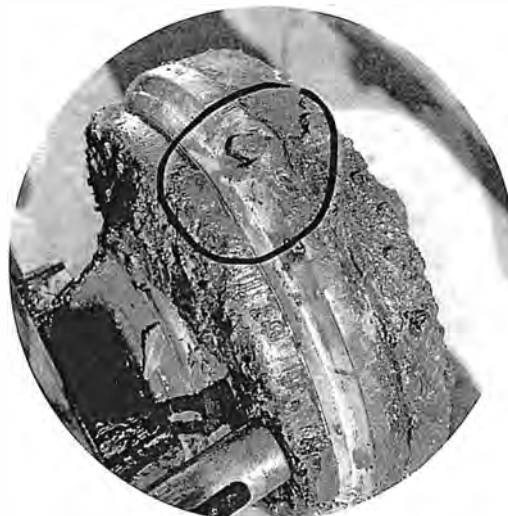
ZONESCAN NET Map View



ZONESCAN NET Correlation Graph



ZONESCAN NET Street View



Leak on Corroded Hydrant Shoe

Product: ZONESCAN 820

Type: Correlating Radio
Loggers in Lift & Shift mode

Utility/Company: Wentzville OH

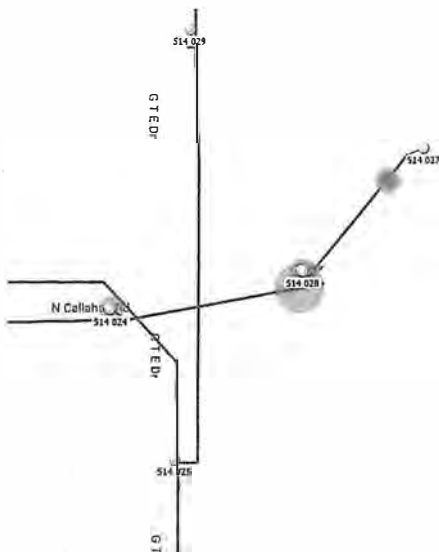
Pipe Material/Diameter: 6" Ductile Iron

Time of Measurement: 2:00 A.M.

Summary: During a pro-active leak survey, ten (10) sensors were placed in an area that was thought to be quiet. To the operator's surprise, one logger returned a high "leak score." After an investigation, the crew found a creek with an abandoned service line near the logger, and deployed the loggers again. Sure enough, the loggers pinpointed leaks on the service - leaks which were discovered to be the source of the pond (see photos below). After the line was shut off, the water drained into a nearby creek.

Correlations	Logger Noise	Events							
Quality...	Logger 1	Logger 2	Distan...	Distan...	Center...	Pipe Length	Pipe ...		
100%	514 027	514 028	28.9 ft	126.2 ft	-48.6 ft	155.2 ft			✓
90%	514 024	514 028	187.0 ft	0.0 ft	106.5 ft	161.0 ft			✓

ZONESCAN NET Correlation Tab



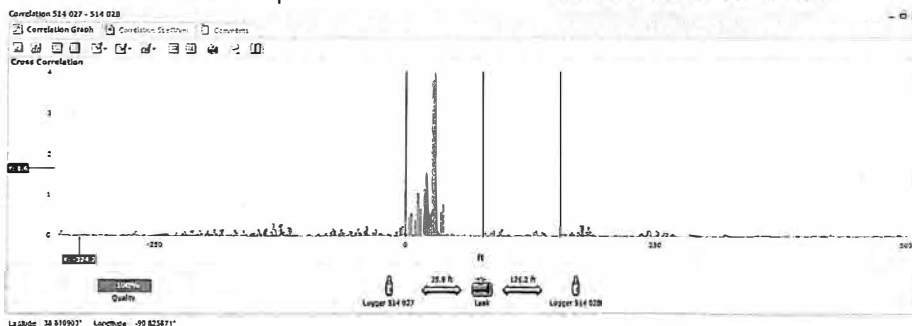
ZONESCAN NET Map View



ZONESCAN NET Street View



(Above) Pond created by the larger leak.
(Below) Puddle created by the smaller leak.



ZONESCAN NET Correlation Graph of 100% leak

Return on Investment: Though the crew did not know how long the leak had been active, they calculated that over a conservative period of 6 months, the excess production cost due to the leaks was roughly \$96,000. With the cost of equipment, and liberal estimates of man power hours, Wentzville's return on investment for finding the two leaks in question was over \$73,000.

Product: ZONESCAN NB-IoT

Type: Automatic Network Monitoring Loggers, utilizing the Narrowband Internet of Things

Utility/Company: Lebanon PA

Pipe Material/Diameter: 4" CI Main w/ 3/4" Copper Service

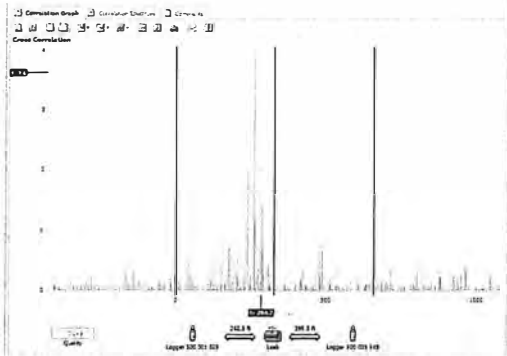
Summary: Lebanon PA installed their NB-IoT logger system in 2020, starting with 30 loggers, and expanding to 130 loggers in 2022. Since install, the system has boasted over 95% connectivity on a consistent basis, and has found over thirty leaks for the city. The two examples below are from the earliest, and most recent, days of install, respectively. Lebanon PA has made excellent use of the Events feature of ZONESCAN NET, which pings the user on new high-quality correlations, and allows the city to keep track of their investigated leaks, as well as label which correlations are due to other noise sources, such as PRVs.

Leak 1: Sept. 19, 2020 - 2:00 A.M.

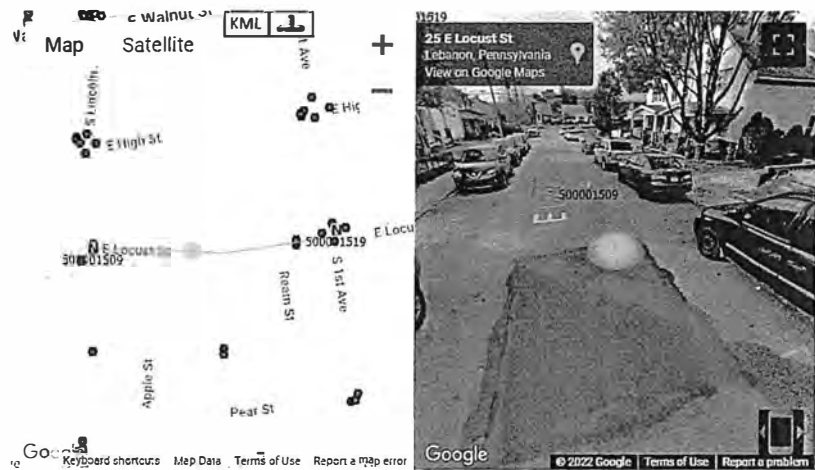
Correlation Quality: 70%

Distance: 660 ft

Result: Leak was found repaired. Leak was non-surfacing, on a utility-side service line.



ZONESCAN NET Correlation Graph



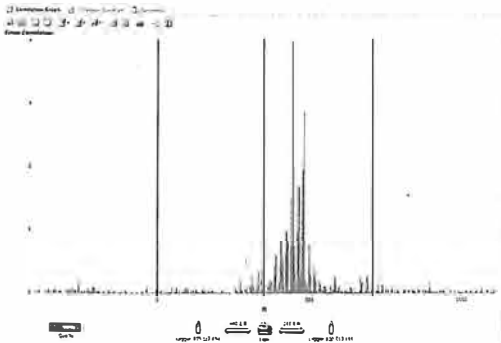
ZONESCAN NET Map & Street View

Leak 2: June 3rd, 2022 - 2:00 A.M.

Correlation Quality: 90%

Distance: 706 ft

Result: Leak was found repaired. Leak was non-surfacing, on a service line on the customer's property.



ZONESCAN NET Correlation Graph



ZONESCAN NET Map & Street View

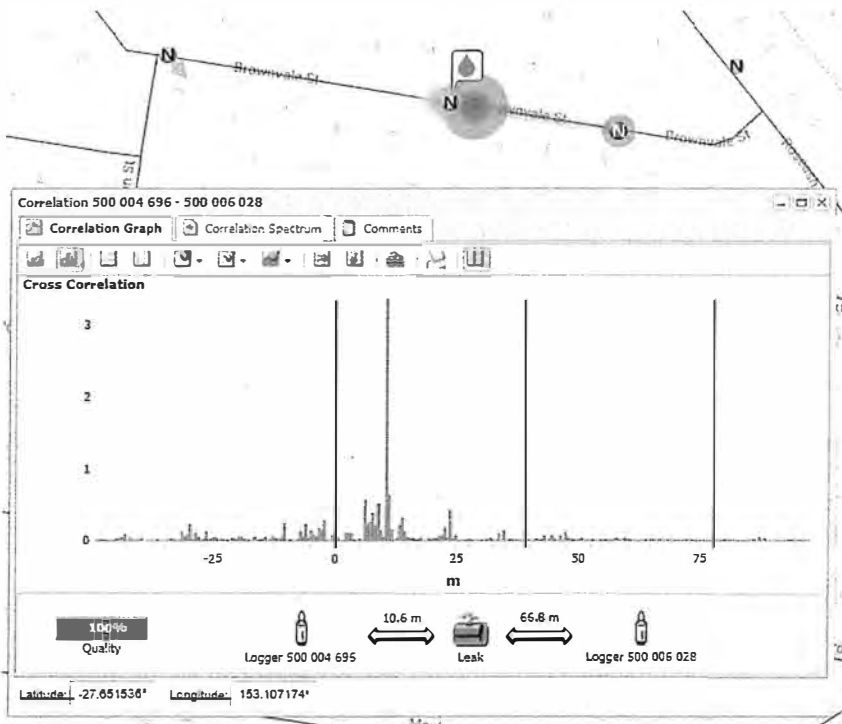
Product: ZONESCAN NB-LoT

Type: Automatic Network Monitoring Loggers, utilizing the Narrowband Internet of Things

Utility/Company: City of Logan, Australia

Pipe Material/Diameter: 100mm (4") PVC main w/ 100mm (3/4") poly conduit

Summary: The City of Logan, after tremendous success with their ZONESCAN 820 lift & shift program, implemented a 300-point ZONESCAN NB-LoT system in May of 2021. In the first few months, the system found a total of 23 leaks (both mainline and customer-side), which saved an estimated \$261k USD annually in non-revenue water. Pictured below is the most costly leak that was found by the system: a non-surfacing leak caused by a damaged road conduit. The city meticulously recorded every aspect of the found leaks, noting details such as identification-to-stoppage times, and gal/m losses.



Pipe Info: 100mm (4 in.) PVC main & 20mm (0.75 in.) poly road conduit

Correlation Score: 100%

Logger Spacing: 77.4m (254 ft)

Total Time from Identification to Stoppage: 29.45 hrs

Leakage Rate: 97.52 L/m (25.76 gal/m)

Actual Non-Revenue Water Loss: \$538.00 USD or 172 KL

Total Estimated Non Revenue Water Loss Annually (in USD): \$147,133.00



Return on Investment: Though the NB-LoT system will continue to monitor the utility's water system for years to come, large and costly leaks caught early have provided a near full return on investment in the span of just two months. This startling success led the city to invest in creating purpose-built, ultra-secure chambers to better cover their mixed material system with NB-LoT Loggers where no valves are present.



Product: ZONESCAN 820 & AQUASCAN 610

Utility/Company: Kansas City BPU, KS

Summary: In an effort to reduce its 35% water loss, the utility conducted a proactive leak survey using 50 overnight correlating loggers, and an AQUASCAN 610 real-time correlator. The survey spanned 144 miles of pipe, and lasted 61 days, with one worker able to deploy up to 25 loggers per hour. Pictured below are three examples of leaks found during the survey.

1

ZONESCAN NET Correlation Report
 Kansas City BPU 2018-08-17 (Report created on 2019-05-03 2:21 PM)

Map Satellite **KML (Display only)**

72 Elmwood Ave
 Kansas City, Kansas
 View on Google Maps

509579
 509584
 509594

Southwest Blvd
 Eaton St
 Elmwood Ave
 IS 10123

Google Map data ©2019 Google Terms of Use Report a map error

Correlation

Quality	Location	Logger 1	Logger 2	Dist. L1	Dist. L2	Center Dist.	Pipe Len.	Comments
70	L Eaton St	509679	509684	147.6 ft	26.6 ft	62.4 ft	174.2 ft	4" Main Leak - Pinpointed after 2 years of searching!

Leak on 4" CI Main Line

2

ZONESCAN NET Correlation Report
 Kansas City BPU 2017-09-22 (Report created on 2017-10-24 5:27 PM)

Map Satellite **KML**

7499 Georgia Ave
 Kansas City, Kansas
 View on Google Maps

509700
 509701

Georgia Ave
 IS 11721
 IS 11722
 IS 11723

Google Map data ©2017 Google Terms of Use

Correlation

Quality	Location	Logger 1	Logger 2	Dist. L1	Dist. L2	Center Dist.	Pipe Len.	Comments
100	7425-7499 Georgia Ave	509700	509701	42.6 ft	735.4 ft	-348.1 ft	778.2 ft	

Leak on AC Main Line

Return on Investment: The survey identified a total of 64 leaks - 25 mainline, 12 service, 5 hydrants, 8 mainline/hydrant valves, and 14 customer-side leaks. Subsequent repairs took the utility from 1.55 MGD (approx. \$16.5k per mo.) losses to 0.662 MGD (approx. \$7k per mo.) losses, a reduction of over 20% in just two months.

**A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 1-LEAK
LOGGER PROGRAM, CONSISTING OF FIFTY-TWO LEAK LOGGER UNITS FROM
GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$58,965**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU
PAGE COUNTY, ILLINOIS, as follows:**

SECTION 1: The City Council of the City of Darien does hereby accept a proposal for the purchase of the Phase 1-Leak Logger Program, consisting of fifty-two leak logger units from Gutermann Inc., in an amount not to exceed \$58,965, a copy of which is attached hereto as **“Exhibit A”**.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.


**PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of March 2023.**

AYES: 7 - Belczak, Chlystek, Gustafson, Kenny, Schauer, Sullivan, Vaughan

NAYS: 0 - NONE

ABSENT: 0 - NONE

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6th day of March 2023.**



JOSEPH MARCHESE, MAYOR

ATTEST:


JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:


CITY ATTORNEY





Gutermann Inc.
 55 Main St., Suite 311
 03857 Newmarket, NH
 Tel.: +1 (603) 200-0340
 Fax: +1 (603) 292 6171
<http://www.gutermann-water.com>
usa@gutermann-water.com

Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Invoicing Address:

Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Shipping Address:

Darien Public Works - IL
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Quotation

Quotation Number: S/GUS/2301183
 Quotation Date: 01/09/2023
 Expiration Date: 04/09/2023
 Reference: USA20230109CK NBIOT
 Your Contact Person: Cameron Keyes
 Phone:
 Email: cameron.keyes@gutermann-water.com

Pos	Qty	Unit	Part No	Description	Unit Price	Disc.%	Taxes	Amount
1	1.00	Pcs	ZS-NBIOT-PROG-KIT	[ZS-NBIOT-PROG-KIT] ZS NB-IoT programming kit	250.00	0.00		\$ 250.00
2	52.00	Pcs	ZS-NBIOT-KIT-90-29	[ZS-NBIOT-KIT-90-29] ZONESCAN NB-IoT correlating leak logger incl antenna (12,13,17,28 (90mm), 290 cm)	1,365.00	25.00		\$ 53,235.00
				Included in Price: five year subscription for battery change, warranty and hosting fee, per logger. (\$1.50 Per Month / Logger after the 5 years)				
3	52.00	Pcs	NBIOT-SIMCARD	[NBIOT-SIMCARD] ZONESCAN NB-IoT data SIM card.	55.00	0.00		\$ 2,860.00
				Five year hosting and management subscription, per logger				
4	52.00	Pcs	ZS-LB-ANT	[ZS-LB-ANT] ZONESCAN L bracket for antennas	30.00	100.00		\$ 0.00
5	1.00	Units	Included	Training - Web Based - included in equipment price	0.00	0.00		\$ 0.00
6	1.00	Units	Includes - one day training, travel and expenses	Training - On site (Days) - Includes One day of training, travel and expenses	2,500.00	0.00		\$ 2,500.00
7	3.00	Units		Shipping Cost	40.00	0.00		\$ 120.00

Bank Account TD Bank	Routing number 01140071	Account number 9242620600	Federal ID 20-8983602
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Gutermann Inc.
55 Main St., Suite 311
03857 Newmarket, NH
Tel.: +1 (603) 200-0340
Fax: +1 (603) 292 6171
<http://www.gutermann-water.com>
usa@gutermann-water.com

Subtotal	\$ 58,965.00
Total	\$ 58,965.00

Payment terms: 30 Days

Bank Account	Routing number	Account number	Federal ID
TD Bank	01140071	9242620600	20-8983602

Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Invoicing Address:

Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Shipping Address:

Darien Public Works - IL
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Quotation

Quotation Number: S/GUS/2301183
 Quotation Date: 01/09/2023
 Expiration Date: 04/09/2023
 Reference: USA20230109CK NBIOT
 Your Contact Person: Cameron Keyes
 Phone:
 Email: cameron.keyes@gutermann-water.com

Pos	Qty	Unit	Part No	Description	Unit Price	Disc.%	Taxes	Amount
1	1.00	Pcs	ZS-NBIOT-PROG-KIT	[ZS-NBIOT-PROG-KIT] ZS NB-IoT programming kit	250.00	0.00		\$ 250.00
2	545.00	Pcs	ZS-NBIOT-KIT-90-29	[ZS-NBIOT-KIT-90-29] ZONESCAN NB-IoT correlating leak logger incl antenna (12,13,17,28 (90mm), 290 cm)	1,365.00	30.00		\$ 520,747.50
				Included in Price: five year subscription for battery change, warranty and hosting fee, per logger.				
3	545.00	Pcs	NBIOT-SIMCARD	[NBIOT-SIMCARD] ZONESCAN NB-IoT data SIM card.	55.00	0.00		\$ 29,975.00
				Five year hosting and management subscription, per logger				
4	545.00	Pcs	ZS-LB-ANT	[ZS-LB-ANT] ZONESCAN L bracket for antennas	30.00	100.00		\$ 0.00
5	1.00	Units		Samsung Active 3 Tablet	1,000.00	0.00		\$ 1,000.00
6	1.00	Units	Included	Training - Web Based - included in equipment price	0.00	0.00		\$ 0.00
7	1.00	Units	Includes - one day training, travel and expenses	Training - On site (Days) - Includes One day of training, travel and expenses	2,500.00	0.00		\$ 2,500.00

Pos	Qty	Unit	Part No	Description	Unit Price	Disc.%	Taxes	Amount
8	1.00	Units	Includes - one day training, travel and expenses	Training - On site (Days) - Each Additional Day	1,000.00	0.00		\$ 1,000.00
Subtotal								\$ 555,472.50
Total								\$ 555,472.50

Payment terms: 30 Days

STATE OF ILLINOIS)
) SS
COUNTY OF DU PAGE)

I, JoAnne E. Ragona, do hereby certify that I am the duly qualified CITY CLERK of the CITY OF DARIEN of DuPage County, Illinois, and as such officer I am the keeper of the records and files of the City;

I do further certify that the foregoing constitutes a full, true and correct copy of **RESOLUTION NO. R-32-23 — “A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 1-LEAK LOGGER PROGRAM, CONSISTING OF FIFTY-TWO LEAK LOGGER UNITS FROM GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$58,965”** of The City of Darien, Du Page County, Illinois, Duly Passed and Approved by the Mayor and City Council at a Meeting Held on March 6, 2023.

IN WITNESS WHEREOF, I have hereunto affixed my official hand and seal this 6th day of March, 2023.



JoAnne E. Ragona

City Clerk



March 9, 2023

Gutterman, Inc.
Attn: Cameron Keyes
55 Main St., Suite 311
Newmarket, NH 03857

RE: leak logger program – phase 1

Dear Cameron Keyes,

Enclosed please find a certified copy of *Resolution No. R-32-23 – “A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 1 - LEAK LOGGER PROGRAM, CONSISTING OF FIFTY-TWO LEAK LOGGER UNITS FROM GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$58,965”* passed by the City Council at its regular meeting on March 6, 2023.

Should you have any questions or concerns, please give me a call at (630) 353-8106.

Sincerely,

CITY OF DARIEN

A handwritten signature in black ink, appearing to read "Daniel Gombac", is written over the printed name.

Daniel Gombac
Director of Municipal Services

Enclosure

cc: JoAnne E. Ragona, City Clerk
Kris Throm, Superintendent of Municipal Services

AGENDA MEMO
City Council
June 5, 2023

ISSUE STATEMENT

A resolution authorizing the purchase of the Phase 2-Leak Logger Program, consisting of 146 leak logger units from Gutermann Inc., in an amount not to exceed \$219,191.70

RESOLUTION

BACKGROUND/HISTORY

The proposed leak detection system is Phase 2-4 utilized by the Water Division to proactively locate and pinpoint leaks while they are small. The detectors, (loggers) are placed in water vaults and/or hydrant auxiliary valves. The loggers detect leaks through sound waves. When a leak occurs, the sound will amplify from the pipe and the adjacent area. As the detection state changes, a water sensor will be awakened on the radio and send data to a wireless gateway. Through a correlation process the loggers calculate the origin of the leak and process the information through the Gutermann I-Cloud gateway service. The cloud-based technology then sends an alert to a monitoring app on a mobile device or desktop application.

This program will also eliminate the need to outsource leak locating services at a cost of approximately \$15,000-\$20,000 per year upon full deployment of the leak loggers. The loggers will provide daily monitoring, 365 days a year. The program will have hosting costs after the initial five years, see attached sheet labeled as Attachment A.

This program is considered Phase 2 of 4 and is budgeted over a three-year program, pending budget considerations. The cost of the entire program will be approximately \$616,000 with reoccurring costs after the initial five years of each phase. As stated in the attached email, the pricing will be honored for the entire project, see Attachment B. A further evaluation on the the return on investment throughout each phase was calculated and the program would pay for itself in 2.25 to 2.5 years. The reoccurring costs would be budget beginning 2027/2028. Please see Attachment A, summarizing the phases and costs. As additional information, Attachment C is technical information regarding the system.

The proposed expenditure would be expended from the following line accounts:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 23/24 BUDGET	PROPOSED EXPENDITURE	ACCOUNT BALANCE
02-50-4815	Capital Purchases Leak Detection Equipment & Data Loggers	\$220,000.00	\$219,191.70	\$808.30

STAFF RECOMMENDATION

Staff recommends a resolution authorizing the purchase of the Phase 2-Leak Logger Program, consisting of 146 leak logger units from Gutermann Inc., in an amount not to exceed \$219,191.70.

COMMITTEE RECOMMENDATION

This item is being presented to the Municipal Services Committee prior to the City Council Meeting on June 5, 2023. Chairman Belczak will be presenting the Committee's recommendation to the City Council.

ALTERNATE DECISION

As recommended by the City Council.

DECISION MODE

This item will be placed on the June 5, 2023 City Council agenda for formal consideration.

PHASE 1 OF 3 ALL INCLUSIVE 5 YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gatermann - ZONESCAN NB-IDT
ZS-NBHD-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBHD-KIT-90-29	52	EACH	\$ 1,365.00	25%	\$ 53,235.00
NBHD-SIMCARD	52	EACH	\$ 55.00	0%	\$ 2,860.00
ZS-LB-ANTENNAS	52	EACH	\$ 30.00	100%	\$ -
Training - On Site Includes One day of training, travel and expenses	1	LUMP SUM	\$ 2,500.00	0%	\$ 2,500.00
Shipping	3	EACH	\$ 40.00	0%	\$ 120.00
TOTAL COST INCLUSIVE- FIVE YEARS					\$ 58,965.00

PROGRAM 1 OF 3 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING COST	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 8 year term (\$18/Year)	52	MONTHLY	\$ 1.50	\$ 936.00	\$ 4,680.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$51/Year)	52	MONTHLY	\$ 8.92	\$ 572.00	\$ 2,860.00	N/A
Total Recurring Cost Years 6-10				\$ 1,508.00	\$ 7,540.00	N/A
Sensor Battery Replacement - Every 8 years	52	EACH	\$ 20.00	\$ 1,040.00	\$ 650.00	\$ 1,040.00
Total Recurring Cost-Year 8				\$ 1,638.00	\$ 8,190.00	\$ 1,040.00

RETURN ON INVESTMENT	PHASE 1 INVESTMENT	AVERAGE ANNUAL WATER LOSS COST	SAVINGS	REDUCED AVERAGE ANNUAL WATER LOSS COST
PHASE 1 - 52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)

PHASE 2-

WATER LOSS CHART AND WHOLESALE COST

Break Size: 1/16" x 180 Degrees of 360				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon- Wholesale	Annual Loss in Gallons	Annual Cost
2	45,600	\$ 4.97	16,644,000	\$ 82,720.68
4	81,400	\$ 4.97	29,711,000	\$ 147,663.67
6	136,800	\$ 4.97	49,912,000	\$ 248,162.04
8	182,400	\$ 4.97	66,576,000	\$ 330,882.72
10	228,100	\$ 4.97	83,265,000	\$ 413,284.81
12	273,700	\$ 4.97	99,900,000	\$ 496,505.40
16	364,900	\$ 4.97	133,188,000	\$ 661,246.85

Break Size: 1/16" x 360 Degrees				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,100	\$ 4.97	33,251,500	\$ 165,259.96
4	182,500	\$ 4.97	66,612,500	\$ 331,064.13
6	273,600	\$ 4.97	99,864,000	\$ 496,324.08
8	364,800	\$ 4.97	133,152,000	\$ 661,765.44
10	456,200	\$ 4.97	166,513,000	\$ 827,569.63
12	547,400	\$ 4.97	199,801,000	\$ 993,010.97
16	729,900	\$ 4.97	266,413,500	\$ 1,324,075.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW GALLONS PER DAY	UNACCOUNTABLE FLOW GALLONS PER YEAR	WHOLESALE COST PER 100 GALLONS RATE IS AVERAGE PER TO LMO REPORTING CALENDER	WHOLESALE COST
2002	9.80	177,096	64,641,312	\$ 2.00	\$ (27,084.14)
2001	7.50	136,194	49,711,372	\$ 4.00	\$ (247,064.58)
2000	14.00	274,000	100,072,200	\$ 4.00	\$ (997,084.23)
2019	8.60	113,598	41,604,372	\$ 4.96	\$ (206,350.65)
2018	9.40	179,225	65,440,125	\$ 4.95	\$ (321,360.55)
2017	18.20	389,811	142,281,692	\$ 4.88	\$ (699,082.73)
2016	14.80	292,000	106,380,000	\$ 4.89	\$ (511,584.00)
**2015	14.80	274,000	100,000,000	\$ 4.88	\$ (488,148.52)
**2014	4.50	99,200	34,335,000	\$ 4.68	\$ (442,423.30)
2013	3.10	69,200	25,258,000	\$ 3.03	\$ (76,531.74)
2012	3.50	89,233	32,569,666	\$ 2.73	\$ (88,915.28)
2011	1.67	46,720	17,004,900	\$ 2.73	\$ (46,560.11)
2010	7.90	191,000	69,715,000	\$ 2.73	\$ (196,321.81)
2009	6.90	133,000	48,843,000	\$ 2.73	\$ (132,456.81)
2008	3.20	81,000	29,560,000	\$ 2.73	\$ (80,712.24)
2007	1.40	29,000	10,611,000	\$ 2.73	\$ (29,791.40)
2006	4.97	102,000	37,230,000	\$ 2.73	\$ (101,637.00)
2005	3.80	68,500	25,002,500	\$ 2.73	\$ (68,185.63)
AVERAGE	5.59	129,038	47,114,209	\$ 2.73	\$ (128,621.77)

* A major leak was identified at Caw Ave and South Frontage Rd-accounting for the increase.

**New standards implemented for calculations-First standard goal is to be under 12% water loss

PHASE 2 OF 4 ALL INCLUSIVE 5 YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gutermann - ZUNESCAN-NB-4091
ZS-NBHOT-PROG-KIT	193	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBHOT-KIT-96-29	193	EACH	\$ 1,365.00	30%	\$ 184,115.50
NBHOT-SIMCARD	193	EACH	\$ 55.00	0%	\$ 10,615.00
ZS-LB-ANTENNAS	193	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	1	EACH	\$ 1,000.00	0%	\$ 1,000.00
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	1	PER DAY	\$ 1,000.00	0%	\$ 1,000.00
Shipping--Estimated	1	LUMP SUM	\$ 2,600.00	0%	\$ 2,600.00
TOTAL COST INCLUSIVE-FIVE YEARS					\$ 199,876.50

PHASE 2 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$1W/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10				\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost-Year 8				\$ 6,079.50	\$ 30,397.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT	AVERAGE ANNUAL WATER LOSS	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE 1 -5 LOGGERS	\$ 58,965.00	#####	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE 2 -193 LOGGERS	\$199,876.50	\$(268,119.14)	\$ 258,841.50	\$ (9,277.64)	\$ (46,388.22)	37.7%
TOTALS	\$258,841.50	N/A	N/A	N/A	N/A	46.3%
TOTAL INVESTMENT COST	\$485,965.00					

WATER LOSS CHART AND WHOLESALE COST

Break Size: 178" x 100 Degrees of 360				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon Wholesale	Annual Loss in Gallons	Annual Cost
2	45,500	\$ 4.97	16,644,000	\$ 82,720.80
4	32,400	\$ 4.97	29,712,000	\$ 147,663.67
6	156,400	\$ 4.97	49,032,000	\$ 244,862.68
8	182,400	\$ 4.97	56,376,000	\$ 280,382.72
10	228,100	\$ 4.97	83,256,000	\$ 413,784.81
12	271,100	\$ 4.97	99,500,000	\$ 496,505.49
16	364,900	\$ 4.97	133,188,000	\$ 661,246.85

Break Size: 178" x 360 Degrees				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,100	\$ 4.97	33,255,000	\$ 165,259.96
4	182,200	\$ 4.97	66,510,000	\$ 331,064.13
6	273,300	\$ 4.97	99,765,000	\$ 496,264.08
8	364,400	\$ 4.97	133,120,000	\$ 661,262.68
10	455,500	\$ 4.97	166,575,000	\$ 827,369.81
12	546,600	\$ 4.97	199,830,000	\$ 993,015.97
16	739,800	\$ 4.97	266,413,000	\$ 1,324,079.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW - GALLONS PER DAY	UNACCOUNTABLE FLOW - GALLONS PER YEAR	WHOLESALE COST PER REPORTING CALENDER	WHOLESALE COST
2002	0.00	177,000	64,641,000	\$ 3.08	\$191,088.14
2003	7.57	136,100	49,111,700	\$ 4.09	\$201,058.74
2004	14.00	274,000	100,012,000	\$ 4.09	\$417,058.74
2005	8.00	289,000	105,000,000	\$ 4.40	\$466,200.00
2006	9.40	199,200	72,448,200	\$ 4.42	\$321,200.00
2007	15.20	389,200	142,287,000	\$ 4.55	\$659,700.00
2008	14.40	292,200	106,580,000	\$ 4.85	\$511,240.00
2009	14.00	274,000	100,012,000	\$ 4.85	\$493,040.00
2010	4.50	99,200	35,835,000	\$ 4.68	\$166,423.00
2011	1.10	99,200	35,835,000	\$ 3.03	\$176,537.72
2012	3.10	99,200	35,835,000	\$ 2.73	\$166,423.00
2013	1.60	99,200	35,835,000	\$ 2.73	\$166,423.00
2014	7.90	191,000	69,515,000	\$ 2.73	\$198,323.00
2015	4.40	153,000	55,445,000	\$ 2.73	\$152,453.00
2016	3.20	81,000	29,565,000	\$ 2.73	\$80,712.00
2017	1.40	29,900	10,913,500	\$ 2.73	\$29,709.00
2018	4.90	102,000	37,230,000	\$ 2.73	\$101,637.00
2019	3.80	88,500	32,302,500	\$ 2.73	\$88,145.50
AVERAGE	8.50	120,000	47,114,200	\$ 2.73	\$128,623.50

* A major leak was identified at Cass Ave and South Frontage Rd accounting for the increase.

**New standard implemented for calculations-First standard goal is to be under 12% water loss

PHASE3 OF 4 ALL INCLUSIVE YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gateman - ZONESCAN NB-101
ZS-NBROT-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBROT-KIT-90-29	193	EACH	\$ 1,365.00	30%	\$ 184,411.50
NBROT-SIMCARD	193	EACH	\$ 55.00	0%	\$ 10,615.00
ZS-LB-ANTENNAS	193	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	0	EACH	\$ 1,000.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	2	PER DAY	\$ 1,000.00	0%	\$ 2,000.00
Shipping--Estimated	1	LUMP SUM	\$ 2,000.00	0%	\$ 2,000.00
TOTAL COST INCLUSIVE FIVE YEARS					\$ 199,876.50

PHASE3 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURR	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$18/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10				\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost -Year 8				\$ 6,079.50	\$ 30,397.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT COST	AVERAGE ANNUAL WATER LOSS	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE1 -52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE2 -193 LOGGERS	\$199,876.50	\$ (268,119.14)	\$ 258,841.50	\$ (9,277.64)	\$ (46,388.22)	37.7%
PHASE3 -193 LOGGERS	\$199,876.50	\$ (9,277.64)	\$ 458,718.00	\$ 449,440.36	\$ 2,247,201.78	66.9%
TOTALS	\$458,718.00	N/A	N/A	N/A	N/A	113.2%
TOTAL INVESTMENT COST	\$685,965.00					

WATERLOSS CHART AND WHOLESALE COST

Break Size: 1/2" x 100 Degree of 300				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon Wholesale	Annual Loss in Gallons	Annual Cost
2	45,600	4.97	16,644,000	\$ 82,720.68
4	81,400	4.97	29,711,000	\$ 147,661.07
6	136,800	4.97	68,092,000	\$ 248,362.04
8	182,400	4.97	91,576,000	\$ 320,882.72
10	238,200	4.97	119,285,000	\$ 433,798.81
12	274,200	4.97	136,278,000	\$ 486,305.40
16	364,200	4.97	181,208,000	\$ 663,998.85

Break Size: 1/2" x 300 Degree				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,500	4.97	33,253,000	\$ 165,259.86
4	163,500	4.97	59,612,000	\$ 297,064.13
6	273,000	4.97	99,864,000	\$ 496,324.08
8	364,000	4.97	133,152,000	\$ 663,765.44
10	456,000	4.97	166,512,000	\$ 827,269.82
12	547,000	4.97	199,861,000	\$ 996,810.81
16	729,000	4.97	266,413,000	\$ 1,324,075.23

WATER INVENTORY (AMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW -GALLONS PER DAY	UNACCOUNTABLE FLOW -GALLONS PER YEAR	WHOLESALE COST PER 1000 GALLONS RATE IS AVERAGE OF 1340 REPORTING CALENDERS	WHOLESALE COST
2020	9.9%	177,079	64,641,113	4.98	\$ 323,084.13
2021	7.5%	136,151	49,311,113	4.98	\$ 245,664.34
2020	14.0%	274,051	100,071,525	4.98	\$ 497,664.21
2020	8.0%	144,000	52,080,000	4.98	\$ 259,584.00
2019	9.4%	179,259	65,480,113	4.92	\$ 323,765.77
2017	18.2%	381,837	139,281,000	4.86	\$ 673,062.74
2019	14.4%	262,000	95,000,000	4.80	\$ 451,200.00
**2015	14.5%	274,000	100,000,000	4.80	\$ 480,000.00
**2014	4.5%	92,000	33,500,000	4.80	\$ 160,200.00
2013	1.1%	67,200	24,336,000	5.00	\$ 121,680.00
2012	1.9%	97,200	35,304,000	5.73	\$ 202,000.00
2011	1.6%	46,720	17,054,976	5.73	\$ 97,600.00
2010	3.9%	197,000	71,500,000	5.73	\$ 409,321.00
2009	6.4%	153,000	55,400,000	5.73	\$ 317,200.00
2008	8.2%	81,000	29,500,000	5.73	\$ 169,720.00
2007	1.4%	26,000	9,400,000	5.73	\$ 53,700.00
2006	4.9%	102,000	37,000,000	5.73	\$ 212,670.00
2005	3.8%	88,500	32,302,500	5.73	\$ 185,800.00
AVERAGE	6.5%	120,000	47,144,200	5.73	\$ 270,621.00

* A major leak was identified at Cass Ave and South Frontage Rd accounting for the increase.

**New standards implemented for calculations. First standard goal is to be under 12% water loss

PHASE 4 OF 4 ALL INCLUSIVE 5 YEAR COST

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gutermann - ZONSCAN NB-IOT
ZS-NBIOT-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBIOT-KIT-98-29	193	EACH	\$ 1,365.00	30%	\$ 184,411.50
NBIOT-SIMCARD	193	EACH	\$ 55.00	0%	\$ 10,615.00
ZS-LB-ANTENNAS	193	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	0	EACH	\$ 1,000.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	2	PER DAY	\$ 1,000.00	0%	\$ 2,000.00
Shipping--Estimated	1	LUMP SUM	\$ 2,600.00	0%	\$ 2,600.00
TOTAL COST INCLUSIVE- FIVE YEARS					\$ 199,876.50

PHASE 4 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year 6	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$18/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10	193			\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost-Year 8				\$ 6,079.50	\$ 30,397.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT	AVERAGE ANNUAL WATER LOSS COST	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE 1 -52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE 2 -193 LOGGERS	\$ 199,876.50	\$ (268,119.14)	\$ 258,841.50	\$ (9,277.64)	\$ (46,388.22)	37.7%
PHASE 3 -193 LOGGERS	\$ 199,876.50	\$ (9,277.64)	\$ 458,718.00	\$ 449,440.36	\$ 2,247,201.78	66.9%
PHASE 4 -193 LOGGERS	\$ 199,876.50	\$ 449,440.36	N/A	N/A	N/A	N/A
TOTALS	\$ 658,594.50	\$ -	N/A	N/A	N/A	113.2%
TOTAL INVESTMENT COST	\$ 685,965.00					

WATER LOSS CHART AND WHOLESALE COST

Break Size: 1/16" x 180 Degrees of 360				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon- Wholesale	Annual Loss in Gallons	Annual Cost
2	45,600	\$ 4.97	16,644,000	\$ 82,720.68
4	81,400	\$ 4.97	29,711,000	\$ 147,663.67
6	136,800	\$ 4.97	49,932,000	\$ 248,162.04
8	182,400	\$ 4.97	66,576,000	\$ 330,882.72
10	228,100	\$ 4.97	83,256,000	\$ 413,784.81
12	273,700	\$ 4.97	99,900,000	\$ 496,505.49
16	364,900	\$ 4.97	133,188,500	\$ 661,946.85

Break Size: 1/16" x 360 Degrees				
Pipe Diameter Per Inch	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,100	\$ 4.97	33,251,500	\$ 165,259.96
4	182,500	\$ 4.97	66,612,500	\$ 331,064.13
6	273,600	\$ 4.97	99,864,000	\$ 496,324.08
8	364,800	\$ 4.97	133,152,000	\$ 661,765.44
10	456,200	\$ 4.97	166,513,000	\$ 827,569.61
12	547,400	\$ 4.97	199,801,000	\$ 993,010.97
16	729,900	\$ 4.97	266,413,500	\$ 1,324,075.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW - GALLONS PER DAY	UNACCOUNTABLE FLOW - GALLONS PER YEAR	WHOLESALE COST PER 1000 GALLONS-RATE IS AVERAGE DUE TO LMO REPORTING CALENDER	WHOLESALE COST
2022	9.30%	177,099	64,641,135	\$ 5.06	\$ (327,084.14)
2021	7.50%	136,195	49,711,175	\$ 4.97	\$ (247,064.54)
2020	14.00%	274,000	100,012,000	\$ 4.97	\$ (497,064.27)
2019	6.60%	113,384	41,604,160	\$ 4.96	\$ (208,358.63)
2018	9.40%	179,238	65,440,130	\$ 4.92	\$ (321,965.39)
2017	18.20%	389,810	142,281,000	\$ 4.85	\$ (690,062.83)
2016	14.40%	292,000	106,580,000	\$ 4.80	\$ (511,584.00)
**2015	14.80%	274,000	100,010,000	\$ 4.85	\$ (485,048.50)
*2014	4.55%	99,200	35,935,000	\$ 4.68	\$ (442,423.80)
2013	3.18%	69,200	25,258,000	\$ 3.03	\$ (76,531.74)
2012	3.76%	89,232	32,569,669	\$ 2.73	\$ (88,915.20)
2011	1.61%	46,239	17,054,099	\$ 2.73	\$ (86,500.72)
2010	7.96%	191,000	69,715,000	\$ 2.73	\$ (180,321.94)
2009	6.40%	153,000	55,845,000	\$ 2.73	\$ (152,456.83)
2008	3.20%	81,000	29,565,000	\$ 2.73	\$ (80,712.45)
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2005	3.80%	88,500	32,302,500	\$ 2.73	\$ (88,185.83)
AVERAGE	5.55%	129,080	47,114,200	\$ 2.73	\$ (128,621.77)

* A major leak was identified at Cross Ave and South Frontage Rd-accounting for the increase.
 **New standards implemented for calculations-First standard goal is to be under 12% water loss

Regina Kokkinis

From: Dan Gombac
Sent: Wednesday, February 22, 2023 3:17 PM
To: Regina Kokkinis
Subject: Leak Loggers

Need to incorporate email into agenda memo that the prices will be held.

From: Kris Throm <kthrom@darienil.gov>
Sent: Wednesday, February 22, 2023 10:23 AM
To: Dan Gombac <dgombac@darienil.gov>
Subject: FW: Checking In

See below for Gutermann pricing.

Thanks,

Kris Throm
City of Darien Municipal Services
Superintendent
 (630) 514-3453

To receive important information from the City of Darien sign up for our electronic newsletter:

DARIEN DIRECT CONNECT

Follow the link below and subscribing is simple! <http://www.darien.il.us/Reference-Desk/DirectConnect.aspx>

From: Cameron Keyes <cameron.keyes@gutermann-water.com>
Sent: Tuesday, February 21, 2023 12:36 PM
To: Kris Throm <kthrom@darienil.gov>
Subject: Re: Checking In

Hello Kris,

Thanks for the email. The pricing will be good for the entire project!

As for a trial and a Western Springs contact yes. I say we set up 10 or so loggers in your system ASAP. I'll be in the area for WaterCon the week of March 20th. Do you want to schedule something for the 23rd?

Looking forward to it.

Cameron Keyes

Director - North America : Gutermann, Inc.

C: 603-320-9166 F: 603-292-6171

www.linkedin.com/in/cameronkeyesgutermann

Correlating Loggers & Permanent Monitoring Systems

ZONESCAN 820

Smallest correlating radio logger on the market.

- Correlating loggers with high pinpointing accuracy for mobile applications (Lift & Shift or Drive-by)
- Intuitive and versatile Android software ZONESCAN Smart for use with phones and tablets
- Optional data upload to ZONESCAN Net cloud service
- Optimised battery life



Fixed Distribution Network Monitoring

ZONESCAN BETA

Compact permanently installed noise loggers with direct NB-IoT data communication to the Gutermann Cloud.

- Robust data communication of the logger from the chamber to the cloud, even through cast iron lids
- Automatic synchronisation of loggers for accurate leak pinpointing (full correlation)
- NB-IoT is perfect for environmental monitoring thanks to excellent deep coverage, low communication costs and high energy-efficiency
- Easy installation with ZONESCAN INSTALL - Battery changeable in the field



ZONESCAN ALPHA

Fully correlating monitoring system with complete RF infrastructure.

- Award-winning permanent monitoring system for municipalities without reliable NB-IoT cell coverage
- Fully automatic and highly accurate leak alarming and pinpointing
- Sophisticated Gutermann Cloud software with map-based views, dashboards reports and event management tools
- Hundreds of systems installed around the world



Fixed Trunk Main Monitoring

HISCAN

Permanent trunk main monitoring with hydrophones.

- Daily automatic correlations and near real-time leak alarms
- Precise pinpointing even of small emerging leaks
- Increased sensitivity even on plastic pipes using redesigned hydrophones
- Long distances between measuring points
- Energy independence thanks to solar panels
- Upload of data to the ZONESCAN Net cloud



CASE STUDIES



MULTISCAN ↗ ZONESCAN ↗ AQUASCAN ↗

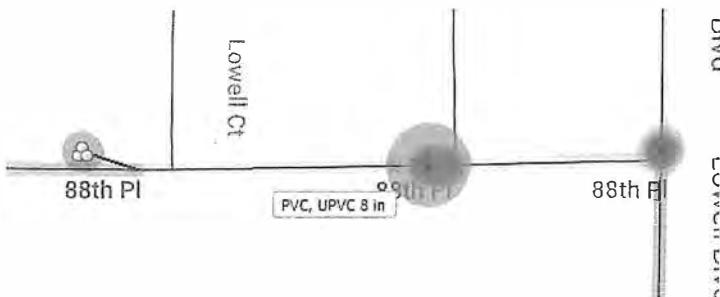
Product: MULTISCAN ↗

Type: Real-Time/Overnight
Multi-point Correlator

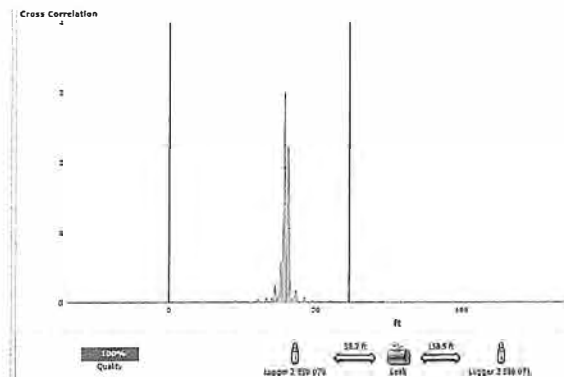
Utility/Company: Westminster, CO
Pipe Material/Diameter: 8" PVC Main
Correlation Quality(s): 100%

Time of Measurement: 8:37 A.M.

Summary: Leak was found after a pro-active leak survey, aimed at reducing non-revenue water. Three (3) sensors produced three leak correlations; one directly at the T-intersection between two sensors placed on Lowell Blvd, and two directly on the leaky hydrant's position, on 88th PI. The leak was due to a corroded hydrant shoe valve, which was later replaced.



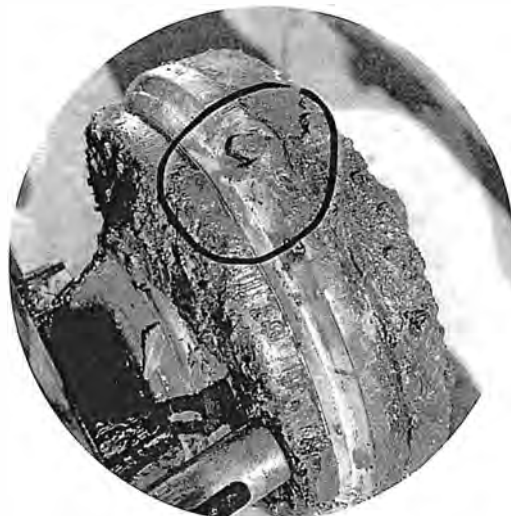
ZONESCAN NET Map View



ZONESCAN NET Correlation Graph



ZONESCAN NET Street View



Leak on Corroded Hydrant Shoe

Product: ZONESCAN 820

Type: Correlating Radio
Loggers in Lift & Shift mode

Utility/Company: Wentzville OH

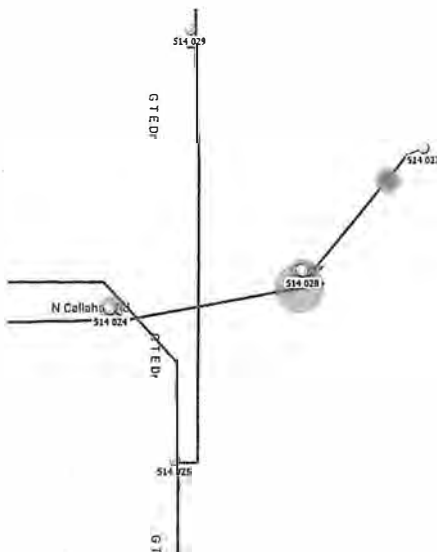
Pipe Material/Diameter: 6" Ductile Iron

Time of Measurement: 2:00 A.M.

Summary: During a pro-active leak survey, ten (10) sensors were placed in an area that was thought to be quiet. To the operator's surprise, one logger returned a high "leak score." After an investigation, the crew found a creek with an abandoned service line near the logger, and deployed the loggers again. Sure enough, the loggers pinpointed leaks on the service - leaks which were discovered to be the source of the pond (see photos below). After the line was shut off, the water drained into a nearby creek.

Correlations	Logger Noise	Events							
Quality...	Logger 1	Logger 2	Distan...	Distan...	Center...	Pipe Length	Pipe ...		
100%	514 027	514 028	28.9 ft	126.2 ft	-48.6 ft	155.2 ft			✓
90%	514 024	514 028	187.0 ft	0.0 ft	106.5 ft	161.0 ft			✓

ZONESCAN NET Correlation Tab



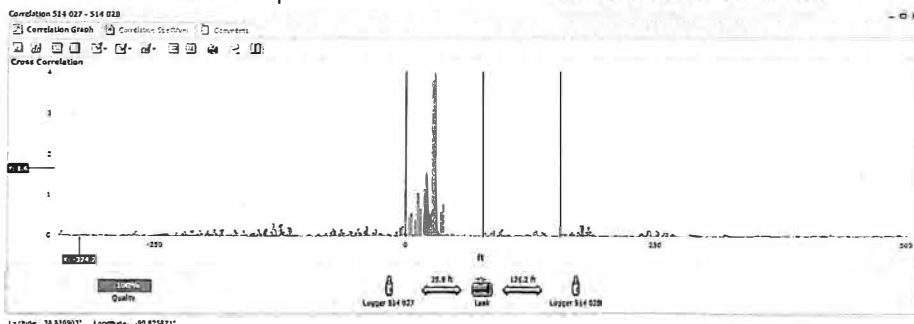
ZONESCAN NET Map View



ZONESCAN NET Street View



(Above) Pond created by the larger leak.
(Below) Puddle created by the smaller leak.



ZONESCAN NET Correlation Graph of 100% leak

Return on Investment: Though the crew did not know how long the leak had been active, they calculated that over a conservative period of 6 months, the excess production cost due to the leaks was roughly \$96,000. With the cost of equipment, and liberal estimates of man power hours, Wentzville's return on investment for finding the two leaks in question was over \$73,000.

Product: ZONESCAN NB-IoT

Type: Automatic Network Monitoring Loggers, utilizing the Narrowband Internet of Things

Utility/Company: Lebanon PA

Pipe Material/Diameter: 4" CI Main w/ 3/4" Copper Service

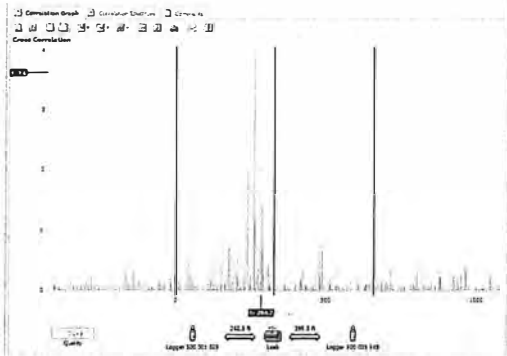
Summary: Lebanon PA installed their NB-IoT logger system in 2020, starting with 30 loggers, and expanding to 130 loggers in 2022. Since install, the system has boasted over 95% connectivity on a consistent basis, and has found over thirty leaks for the city. The two examples below are from the earliest, and most recent, days of install, respectively. Lebanon PA has made excellent use of the Events feature of ZONESCAN NET, which pings the user on new high-quality correlations, and allows the city to keep track of their investigated leaks, as well as label which correlations are due to other noise sources, such as PRVs.

Leak 1: Sept. 19, 2020 - 2:00 A.M.

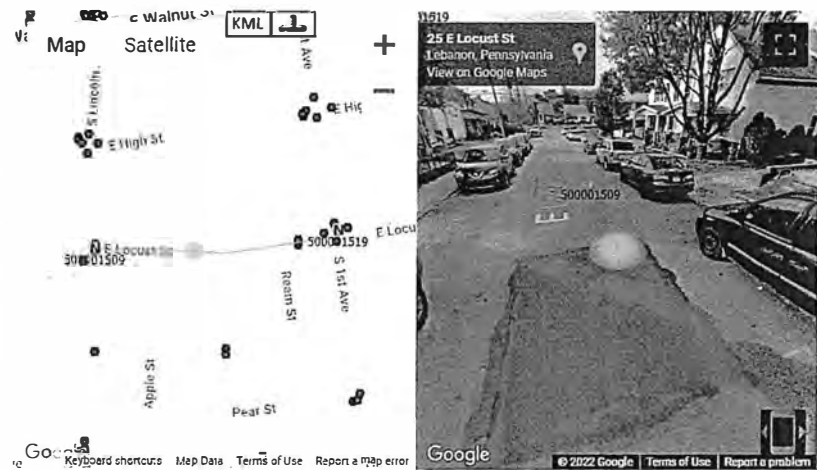
Correlation Quality: 70%

Distance: 660 ft

Result: Leak was found repaired. Leak was non-surfacing, on a utility-side service line.



ZONESCAN NET Correlation Graph



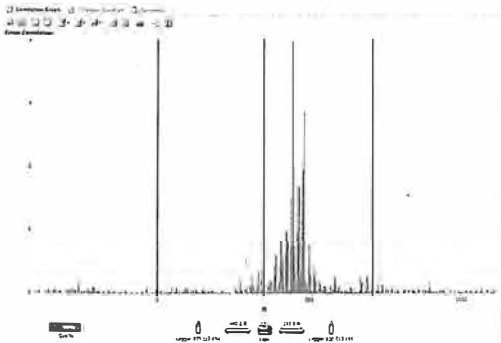
ZONESCAN NET Map & Street View

Leak 2: June 3rd, 2022 - 2:00 A.M.

Correlation Quality: 90%

Distance: 706 ft

Result: Leak was found repaired. Leak was non-surfacing, on a service line on the customer's property.



ZONESCAN NET Correlation Graph



ZONESCAN NET Map & Street View

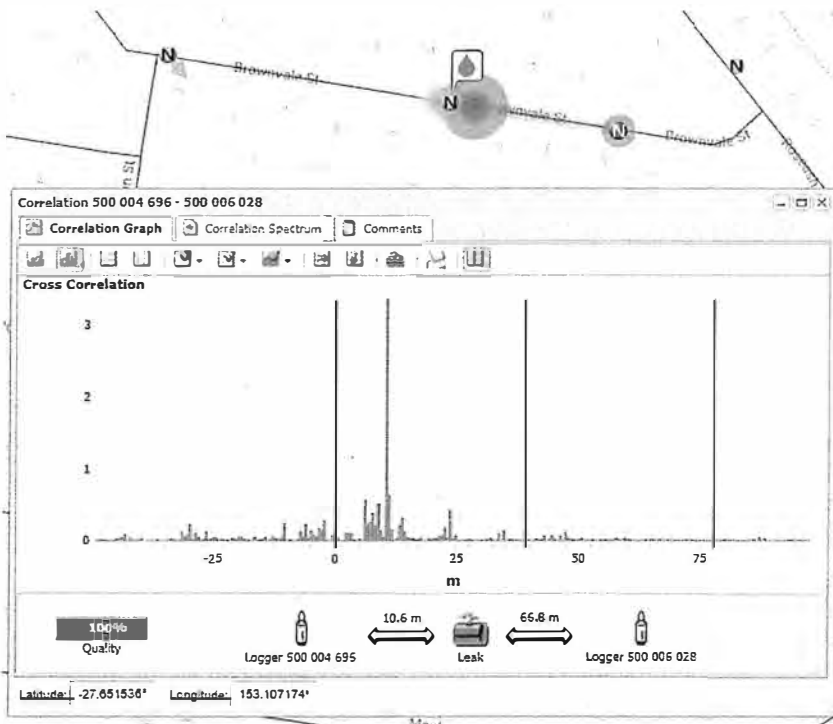
Product: ZONESCAN NB-LoT

Type: Automatic Network Monitoring Loggers, utilizing the Narrowband Internet of Things

Utility/Company: City of Logan, Australia

Pipe Material/Diameter: 100mm (4") PVC main w/ 100mm (3/4") poly conduit

Summary: The City of Logan, after tremendous success with their ZONESCAN 820 lift & shift program, implemented a 300-point ZONESCAN NB-LoT system in May of 2021. In the first few months, the system found a total of 23 leaks (both mainline and customer-side), which saved an estimated \$261k USD annually in non-revenue water. Pictured below is the most costly leak that was found by the system: a non-surfacing leak caused by a damaged road conduit. The city meticulously recorded every aspect of the found leaks, noting details such as identification-to-stoppage times, and gal/m losses.



Pipe Info: 100mm (4 in.) PVC main & 20mm (0.75 in.) poly road conduit

Correlation Score: 100%

Logger Spacing: 77.4m (254 ft)

Total Time from Identification to Stoppage: 29.45 hrs

Leakage Rate: 97.52 L/m (25.76 gal/m)

Actual Non-Revenue Water Loss: \$538.00 USD or 172 KL

Total Estimated Non Revenue Water Loss Annually (in USD): \$147,133.00



Return on Investment: Though the NB-LoT system will continue to monitor the utility's water system for years to come, large and costly leaks caught early have provided a near full return on investment in the span of just two months. This startling success led the city to invest in creating purpose-built, ultra-secure chambers to better cover their mixed material system with NB-LoT Loggers where no valves are present.



Product: ZONESCAN 820 & AQUASCAN 610

Utility/Company: Kansas City BPU, KS

Summary: In an effort to reduce its 35% water loss, the utility conducted a proactive leak survey using 50 overnight correlating loggers, and an AQUASCAN 610 real-time correlator. The survey spanned 144 miles of pipe, and lasted 61 days, with one worker able to deploy up to 25 loggers per hour. Pictured below are three examples of leaks found during the survey.

ZONESCAN NET Correlation Report

Kansas City BPU 2016-06-17 (Report created on 2019-06-03 2:21 PM)



Leak on 4" CI Main Line

Correlation

Quality	Location	Logger 1	Logger 2	Dist. L1	Dist. L2	Center Dist.	Pipe Len.	Comments
70	L Eaton St	509679	509664	147.6 ft	26.6 ft	62.4 ft	174.2 ft	4" Main Leak - Pinpointed after 2 years of searching!

ZONESCAN NET Correlation Report

Kansas City BPU 2017-09-22 (Report created on 2017-10-24 5:27 PM)



Leak on AC Main Line

Correlation

Quality	Location	Logger 1	Logger 2	Dist. L1	Dist. L2	Center Dist.	Pipe Len.	Comments
100	7425-7499 Georgia Ave	509700	509701	42.6 ft	735.4 ft	-348.1 ft	778.2 ft	

Return on Investment: The survey identified a total of 64 leaks - 25 mainline, 12 service, 5 hydrants, 8 mainline/hydrant valves, and 14 customer-side leaks. Subsequent repairs took the utility from 1.55 MGD (approx. \$16.5k per mo.) losses to 0.662 MGD (approx. \$7k per mo.) losses, a reduction of over 20% in just two months.

**A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 2-LEAK
LOGGER PROGRAM, CONSISTING OF 146 LEAK LOGGER UNITS FROM
GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$219,191.70**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU
PAGE COUNTY, ILLINOIS, as follows:**

SECTION 1: The City Council of the City of Darien does hereby accept a proposal for the purchase of the Phase 2-Leak Logger Program, consisting of 146 leak logger units from Gutermann Inc., in an amount not to exceed \$219,191.70, a copy of which is attached hereto as "**Exhibit A**".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

**PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 5th day of June 2023.**

AYES: 6 - Belczak, Gustafson, Leganski, Schauer, Stompanato, Sullivan

NAYS: 0 - NONE

ABSENT: 1 - Kenny

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 5th day of June 2023.**

Joseph A. Marchese

JOSEPH MARCHESE, MAYOR

ATTEST:
Joanne E. Ragona

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:
John B. Murphy

CITY ATTORNEY



Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Invoicing Address:
 Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Shipping Address:
 Darien Public Works - IL
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Quotation

Quotation Number: S/GUS/2301463
 Quotation Date: 05/25/2023
 Expiration Date: 11/24/2023
 Reference: USA20230525CK NBIOT
 Your Contact Person: Cameron Keyes
 Phone:
 Email: cameron.keyes@gutermann-water.com

Pos	Qty	Unit	Part No	Description	Unit Price	Disc.%	Taxes	Amount
1	1.00	Pcs	ZS-NBIOT-PROG-KIT	ZS NB-IoT programming kit	400.00	100.00		\$ 0.00
2	217.00	Pcs	SIM-US-ATT	ZONESCAN NB-IoT data SIM card (AT&T (US)) Customs tariff number: 85235200	0.00	0.00		\$ 0.00
3	217.00	Pcs	ZS-NBIOT-KIT-90-29	ZONESCAN NB-IoT correlating leak logger incl antenna (12,13,17,28 (90mm), 290 cm)	1,365.00	26.00		\$ 219,191.70
4	217.00	Pcs	ZS-LB-ANT	ZONESCAN L bracket for antennas	30.00	100.00		\$ 0.00
5	1.00	Units	Included	Training - Web Based	0.00	0.00		\$ 0.00
6	1.00	Units	Includes - one day training, travel and expenses	Training - On site (1Day)	1,000.00	100.00		\$ 0.00
7	3.00	Pcs	FREIGHT	Freight charge and transport insurance	0.00	0.00		\$ 0.00
Total								\$ 219,191.70

*Please allow 10 weeks for delivery

*2 Year Manufacturers Warranty: Excludes cables, antennas, and cords.

Payment terms: 30 Days

STATE OF ILLINOIS)
) SS
COUNTY OF DU PAGE)

I, JoAnne E. Ragona, do hereby certify that I am the duly qualified CITY CLERK of the CITY OF DARIEN of DuPage County, Illinois, and as such officer I am the keeper of the records and files of the City;

I do further certify that the foregoing constitutes a full, true and correct copy of **RESOLUTION NO. R-64-23 — “A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 2-LEAK LOGGER PROGRAM, CONSISTING OF 146 LEAK LOGGER UNITS FROM GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$219,191.70”** of The City of Darien, Du Page County, Illinois, Duly Passed and Approved by the Mayor and City Council at a Meeting Held on June 5, 2023.

IN WITNESS WHEREOF, I have hereunto affixed my official hand and seal this 5th day of June, 2023.



JoAnne E. Ragona

City Clerk



June 7, 2023

Gutermann Inc
Attn: Cameron Keyes
55 Main St., Suite 311
Newmarket NH 03857

RE: phase 2 leak logger program

Dear Mr. Keyes,

Enclosed please a certified copy of **Resolution No. R-64-23 – “A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 2-LEAK LOGGER PROGRAM, CONSISTING OF 146 LEAK LOGGER UNITS FROM GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$219,191.70”** passed by the City Council at its regular meeting on June 5, 2023.

Should you have any questions or concerns, please give me a call at (630) 353-8106.

Sincerely,
CITY OF DARIEN

Daniel Gombac
Director of Municipal Services

Enclosure

cc: JoAnne E. Ragona, City Clerk
Kris Throm, Superintendent of Municipal Services

PHASE 3 OF 4 ALL INCLUSIVE 5 YEAR COST

PHASE 3 FY24/25

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gutermann - ZONESCAN NB-IOT
ZS-NBIOT-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBIOT-KIT-90-29	217	EACH	\$ 1,365.00	26%	\$ 219,191.70
NBIOT-SIMCARD	217	EACH	\$ 55.00	100%	\$ -
ZS-LB-ANTENNAS	217	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	0	EACH	\$ 1,000.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses-CONTINGENCY	0	PER DAY	\$ 1,000.00	0%	\$ -
Shipping--Estimated	0	LUMP SUM	\$ 2,600.00	0%	\$ -
TOTAL COST INCLUSIVE- FIVE YEARS					\$ 219,441.70

PHASE 3 OF 4 ANNUAL RECURRING COST YEARS 6-10

Recurring Annual Cost Section-Commences in Year	QUANTITY	UNIT	UNIT COST	ANNUAL RECURRING COST	FIVE YEAR COST	EIGHT YEAR COST
Per Sensor System Charge - Every year for 5 year term (\$18/Year)	193	MONTHLY	\$ 1.50	\$ 3,474.00	\$ 17,370.00	N/A
Per Sensor Wireless Access - Every year for 5 year term (\$11/Year)	193	MONTHLY	\$ 0.92	\$ 2,123.00	\$ 10,615.00	N/A
Total Recurring Cost Years 6-10				\$ 5,597.00	\$ 27,985.00	N/A
Sensor Battery Replacement - Every 8 years	193	EACH	\$ 20.00	\$ 482.50	\$ 2,412.50	\$ 3,860.00
Total Recurring Cost-Year 8				\$ 6,079.50	\$ 30,397.50	\$ 3,860.00

RETURN ON INVESTMENT	INVESTMENT	AVERAGE ANNUAL WATER LOSS COST	ANNUAL SAVINGS	AVERAGE ANNUAL WATER LOSS COST WITH SAVINGS	5 YEAR ANNUAL SAVINGS	ANNUAL PERCENTAGE SAVINGS BASED ON TOTAL INVESTMENT
PHASE 1 -52 LOGGERS	\$ 58,965.00	\$ (327,084.14)	\$ 58,965.00	\$ (268,119.14)	\$ (1,340,595.72)	8.6%
PHASE 2 -193 LOGGERS	\$ 219,441.70	\$ (268,119.14)	\$ 278,406.70	\$ 10,287.56	\$ 51,437.78	40.6%
PHASE 3 -193 LOGGERS	\$ 219,441.70	\$ 10,287.56	\$ 497,848.40	\$ 508,135.96	\$ 2,540,679.78	72.6%
TOTALS	\$ 497,848.40	N/A	N/A	N/A	N/A	121.8%
TOTAL INVESTMENT COST	\$ 685,965.00					

WATER LOSS CHART AND WHOLESALE COST

Pipe Diameter Per Inch	Break Size: 1/16" x 180 Degrees of 360			
	Daily Loss in Gallons	Price per 1,000 gallon Wholesale	Annual Loss in Gallons	Annual Cost
2	45,600	\$ 4.97	16,644,000	\$ 82,720.68
4	81,400	\$ 4.97	29,711,000	\$ 147,663.67
6	136,800	\$ 4.97	49,932,000	\$ 248,162.04
8	182,400	\$ 4.97	66,576,000	\$ 330,882.72
10	228,100	\$ 4.97	83,256,500	\$ 413,784.81
12	273,700	\$ 4.97	99,900,500	\$ 496,505.49
16	364,900	\$ 4.97	133,188,500	\$ 661,946.85

Pipe Diameter Per Inch	Break Size: 1/16" x 360 Degrees			
	Daily Loss in Gallons	Price per 1,000 gallon	Annual Loss in Gallons	Annual Cost
2	91,100	\$ 4.97	33,251,500	\$ 165,259.96
4	182,500	\$ 4.97	66,612,500	\$ 331,064.13
6	273,600	\$ 4.97	99,864,000	\$ 496,324.08
8	364,800	\$ 4.97	133,152,000	\$ 661,765.44
10	456,200	\$ 4.97	166,513,000	\$ 827,569.61
12	547,400	\$ 4.97	199,801,000	\$ 993,010.97
16	729,900	\$ 4.97	266,413,500	\$ 1,324,075.10

WATER INVENTORY (LMO) REPORTING YEAR	UNACCOUNTABLE FLOW PERCENTAGE	UNACCOUNTABLE FLOW - GALLONS PER DAY	UNACCOUNTABLE FLOW - GALLONS PER YEAR	GALLONS-RATE IS AVERAGE DUE TO LMO REPORTING CALENDER	WHOLESALE COST
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2013	3.18%	69,200	25,258,000	3.03	-\$76,531.74
2012	3.76%	89,232	32,568,609	2.73	-\$88,915.20
2011	1.81%	46,726	17,054,990	2.73	-\$46,560.12
2010	7.96%	191,000	69,715,000	2.73	-\$190,321.95
2009	6.40%	153,000	55,845,000	2.73	-\$152,456.85
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2005	3.80%	88,500	32,302,500	2.73	-\$88,185.83
AVERAGE	5.55%	129,080	47,114,200	2.73	-\$128,621.77

* A major leak was identified at Cass Ave and South Frontage Rd-accounting for the increase.

**New standards implemented for calculations-First standard goal is to be under 12% water loss

\$ (4,385,307.58)

PHASE 3 OF 4

DESCRIPTION	QUANTITY	UNIT	Unit Cost	Discount	Gutermann - ZONESCAN NB-IOT
ZS-NBIOT-PROG-KIT	1	EACH	\$ 250.00	0%	\$ 250.00
ZS-NBIOT-KIT-90-29	217	EACH	\$ 1,365.00	26%	\$ 219,191.70
NBIOT-SIMCARD	217	EACH	\$ 55.00	100%	\$ -
ZS-LB-ANTENNAS	217	EACH	\$ 30.00	100%	\$ -
SAMSUNG ACTIVE TABLET	0	EACH	\$ 1,000.00	0%	\$ -
Training - On Site Includes One day of training, travel and expenses	0	LUMP SUM	\$ 2,500.00	0%	\$ -
TOTAL REVISED COST FOR PHASE 3					\$ 219,441.70

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING THE PURCHASE OF THE PHASE 3-LEAK
LOGGER PROGRAM, CONSISTING OF 217 LEAK LOGGER UNITS FROM
GUTERMANN INC., IN AN AMOUNT NOT TO EXCEED \$219,441.70**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU
PAGE COUNTY, ILLINOIS, as follows:**

SECTION 1: The City Council of the City of Darien does hereby authorize the purchase of the Phase 3-Leak Logger Program, consisting of 217 leak logger units from Gutermann Inc., in an amount not to exceed \$219,441.70, a copy of which is attached hereto as "[Exhibit A](#)".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

**PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS, this 6th day of May 2024.**

AYES: _____

NAYS: _____

ABSENT: _____

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 6th day of May 2024.**

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM

CITY ATTORNEY



Gutermann Inc.
 55 Main St., Suite 311
 03857 Newmarket, NH
 Tel.: +1 (603) 200-0340
 Fax: +1 (603) 292 6171
<http://www.gutermann-water.com>
usa@gutermann-water.com

Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Quotation

Quotation Number: S/GUS/2402012
 Quotation Date: 03/12/2024
 Expiration Date: 06/28/2024
 Reference: USA20240312CK ZSAI
 Your Contact Person: Cameron Keyes
 Phone: +1 603-320-9166
 Email: cameron.keyes@gutermann-water.com

Invoicing Address:
 Darien Public Works - IL, Kris Throm
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Shipping Address:
 Darien Public Works - IL
 1041 S. Frontage Rd
 Darien IL 60561
 United States

Pos	Qty	Unit	Part No	Description	Unit Price	Disc.%	Taxes	Amount
1	1.00	Pcs	ZS-NBIOT-PROG-KIT	ZS NB-IoT programming kit	250.00	0.00		\$ 250.00
2	217.00	Units	ZS-AI-EXT-90-150	ZONESCAN AI correlating leak logger incl antenna (12,13,17,28 (90mm), 150 cm, External antenna)	1,365.00	26.00		\$ 219,191.70
3	217.00	Pcs	ZSNET-HOSTING-DATA-5Y	Hosting Fee ZONESCAN net plus data flat rate 5 years including NB-IoT communication flat rate and Gutermann cloud services for 5 years	195.00	100.00		\$ 0.00
4	217.00	Pcs	ZS-LB-ANT	ZONESCAN L bracket for antennas	30.00	100.00		\$ 0.00
5	217.00	Pcs	SIM-US-ATT	ZONESCAN NB-IoT data SIM card (AT&T (US)) Customs tariff number: 85235200	0.00	0.00		\$ 0.00
Total								\$ 219,441.70

*Delivery after May 1st, 2024

*2 Year Manufacturers Warranty: Excluding antennas, cords, and cables.

Payment terms: 30 Days

Bank Account TD Bank	Routing number 01140071	Account number 9242620600	Federal ID 20-8983602
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AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A [resolution](#) accepting a proposal from Superior Road Striping, Inc., at the proposed unit prices, in an amount not to exceed \$16,000.00 for the 2024 Road Striping Program.

BACKGROUND/HISTORY

The Street Striping Program includes the placement of various thermal plastic quantities for Crosswalks, Only's, Only Arrows, Center Lanes, and Stop Bars for the City's roadways as required throughout the year.

As part of our continuing effort to work with the DuPage Municipal Purchasing Initiative (MPI), municipalities are afforded an opportunity to participate in the joint purchasing of goods and services. This service is specifically for the material and services as it relates to Road Striping. The County of DuPage recently awarded a contract for the 2024 Pavement Marking Maintenance to Superior Road Striping, Inc. The joint purchasing section allows municipalities to utilize the services of Superior Road Striping, Inc., at the contract bid prices. The proposal from Superior Road Striping, Inc., including the unit price bid tab is attached. See [Attachment A](#).

The FY24-25 Budget includes funds for the 2024 Road Striping Program and would be funded from the following line item:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY24/25 BUDGET	PROPOSED EXPENDITURE
03-60-4261	Pavement Striping	\$ 16,000.00	\$ 16,000.00

STAFF RECOMMENDATION

The staff recommends accepting a proposal from Superior Road Striping, Inc., at the proposed unit prices, in an amount not to exceed \$16,000.00 for the 2024 Road Striping Program.

ALTERNATE CONSIDERATION

As recommended by the Committee.

DECISION MODE

This item will be placed on the May 6, 2024 agenda, for formal consideration by the City Council.

DuPage County Division of Transportation

Project: **2024 Pavement Marking Maintenance** Sec. No: **24-PVMKG-12-GM**

Date of Letting: **March 12, 2024 2:00 P.M.**

Item No.	Items	Unit	Quantity	Engineer's Estimate		Superior Road Striping, Inc. 225 Miles Parkway Bartlett, IL 60103		Precision Pavement Marking Inc. 1220 Bell Court Pingree Grove, IL 60140		Marking Specialists Corporation P.O. Box 745 Arlington Heights, IL 60006		AC Pavement Striping Co. 695 Church Road Elgin, IL 60123	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	9138	\$5.35	48,888.30	\$5.00	45,690.00	\$4.85	44,319.30	\$4.00	36,552.00	\$12.00	109,656.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24497	\$0.70	17,147.90	\$0.70	17,147.90	\$0.70	17,147.90	\$0.98	24,007.06	\$1.90	46,544.30
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	31023	\$1.10	34,125.30	\$0.90	27,920.70	\$1.00	31,023.00	\$1.95	60,494.85	\$2.80	86,864.40
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1100	\$1.69	1,859.00	\$1.40	1,540.00	\$1.30	1,430.00	\$2.60	2,860.00	\$3.80	4,180.00
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	17749	\$2.41	42,775.09	\$2.00	35,498.00	\$2.00	35,498.00	\$3.90	69,221.10	\$6.00	106,494.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3631	\$5.35	19,425.85	\$5.00	18,155.00	\$4.95	17,973.45	\$7.80	28,321.80	\$12.00	43,572.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	788392	\$0.35	275,937.20	\$0.29	228,633.68	\$0.29	228,633.68	\$0.59	465,151.28	\$0.69	543,990.48
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1420	\$6.42	9,116.40	\$6.00	8,520.00	\$6.00	8,520.00	\$6.00	8,520.00	\$12.00	17,040.00
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14432	\$0.94	13,566.08	\$0.85	12,267.20	\$0.85	12,267.20	\$1.35	19,483.20	\$2.00	28,864.00
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	6200	\$1.18	7,316.00	\$1.00	6,200.00	\$1.00	6,200.00	\$2.20	13,640.00	\$3.00	18,600.00
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1000	\$1.87	1,870.00	\$1.60	1,600.00	\$1.45	1,450.00	\$2.93	2,930.00	\$4.00	4,000.00
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2100	\$2.68	5,628.00	\$3.00	6,300.00	\$2.00	4,200.00	\$4.40	9,240.00	\$6.00	12,600.00
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	800	\$6.42	5,136.00	\$6.00	4,800.00	\$6.00	4,800.00	\$8.80	7,040.00	\$12.00	9,600.00
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT	2500	\$3.34	8,350.00	\$3.00	7,500.00	\$3.20	8,000.00	\$5.00	12,500.00	\$22.00	55,000.00
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	69496	\$0.56	38,917.76	\$0.45	31,273.20	\$0.55	38,222.80	\$1.15	79,920.40	\$1.95	135,517.20
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	500	\$30.76	15,380.00	\$25.00	12,500.00	\$35.00	17,500.00	\$75.00	37,500.00	\$135.00	67,500.00
17	REPLACEMENT REFLECTOR	EACH	500	\$10.99	5,495.00	\$10.00	5,000.00	\$10.00	5,000.00	\$25.00	12,500.00	\$120.00	60,000.00
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT	500	\$1.61	805.00	\$0.50	250.00	\$1.20	600.00	\$5.00	2,500.00	\$4.50	2,250.00
Bidder's Proposal for making Entire Improvements				\$551,738.88		\$470,795.68		\$482,785.33		\$892,381.69		\$1,352,272.38	
Quantities shown above include Base Bid + Alternates A - D													
Base Bid only				\$430,107.15	\$430,107.15	\$368,845.45	\$368,845.45	\$379,685.45	\$379,685.45	\$692,856.95	\$692,856.95	\$1,092,047.45	\$1,092,047.45
Alternate A: Base Bid + Alternate A				\$43,238.35	\$473,345.50	\$36,550.16	\$405,395.61	\$37,315.86	\$417,001.31	\$69,263.48	\$762,120.43	\$98,016.56	\$1,190,064.01
Alternate B: Base Bid + Alternates A & B				\$18,459.51	\$490,470.41	\$15,711.86	\$419,277.56	\$16,081.41	\$430,487.11	\$29,301.55	\$792,796.25	\$43,867.76	\$1,218,525.46
Alternate C: Base Bid + Alternates A - C				\$43,238.35	\$533,708.76	\$36,550.16	\$455,827.72	\$37,315.86	\$467,802.97	\$69,263.48	\$862,059.73	\$98,016.56	\$1,316,542.02
Alternate D: Base Bid + Alternates A - D				\$39,011.85	\$572,720.61	\$32,600.16	\$488,427.88	\$33,484.36	\$501,287.33	\$66,103.48	\$928,163.21	\$88,536.56	\$1,405,078.58



Local Public Agency Formal Contract

Contractor's Name

Superior Road Striping, Inc.

Contractor's Address

225 Mikes Parkway

City

Bartlett

State

IL

Zip Code

60103

STATE OF ILLINOIS

Local Public Agency

County of DuPage

County

DuPage

Section Number

24-PVMKG-12-GM

Street Name/Road Name

2024 Pavement Marking Maintenance

Type of Funds

Motor Fuel Tax

CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

[Signature & Date Box]

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

[Signature & Date Box]

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

[Signature & Date Box]

Official Title

[Official Title Box]

Department of Transportation

Concurrence in approval of award

Regional Engineer Signature & Date

[Signature & Date Box]

Local Public Agency	Local Street/Road Name	County	Section Number
County of DuPage	2024 Pavement Marking Maintenance	DuPage	24-PVMKG-12-GM

1. THIS AGREEMENT, made and concluded the _____ day of _____ between the County _____ of DuPage _____, known as the party of the first part, and Superior Road Striping, Inc. _____, its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments 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 this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 24-PVMKG-12-GM in County of DuPage _____, approved by the Illinois Department of Transportation on _____, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The _____ County _____ of DuPage _____

Clerk Signature & Date

(SEAL, if required by the LPA)

Party of the First Part Signature & Date
 By:

(If a Corporation)

Corporate Name

President, Party of the Second Part Signature & Date
 By:

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part
 By:

(If a Partnership)

Partner Signature & Date

Partner Signature & Date

Partners doing Business under the firm name of
 Party of the Second Part

(If an individual)

Party of the Second Part Signature & Date

Attest:
 Secretary Signature & Date

(SEAL, if required by the LPA)



Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
County of DuPage	DuPage	Various	24-PVMKG-12-GM

Bond information to be returned to Local Public Agency at Div. of Trans., 421 N. County Farm Rd, Wheaton, IL 60187
Complete Address

We, Superior Road Striping, Inc. 225 Miles Parkway, Bartlett, IL. 60103
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and
State

Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
FOUR HUNDRED SEVENTY THOUSAND SEVEN HUNDRED NINETY-FIVE DOLLARS AND 68/100

Dollars (\$470,795.68) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves,
successors and assigns jointly to pay to the LPA 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 LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, 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 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 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 it 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 LPA 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 shall be void; otherwise it shall 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 agents this _____ day of _____
Day Month and Year

PRINCIPAL

Company Name

Company Name

By
 Signature & Date

By
 Signature & Date

Attest
 Signature & Date

Attest
 Signature & Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

[Signature Box]

Date commission expires _____

SURETY

Name of Surety
[Name Box]

Title
By: [Title Box]

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

[Signature Box]

Date commission expires _____

Approved this _____ day of _____
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date

[Signature Box]

County _____ Clerk
Local Public Agency Type

Awarding Authority

County of DuPage

Awarding Authority Signature & Date

[Signature Box]



COVER SHEET

Proposal Submitted By:

Contractor's Name

Superior Road Striping, INC.

Contractor's Address

225 Miles Parkway

City

Bartlett

State

IL

Zip Code

60103

STATE OF ILLINOIS

Local Public Agency

County of DuPage

County

DuPage

Section Number

24-PVMKG-12-GM

Route(s) (Street/Road Name)

2024 Pavement Marking Maintenance

Type of Funds

Motor Fuel Tax

Proposal Only Proposal and Plans Proposal only, plans are separate

Submitted/Approved

For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

[Signature Box]

[Date Box]

Submitted/Approved

County Engineer/Superintendent of Highways

Date

[Signature Box]

[Date Box]

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

[Signature Box]

[Date Box]

Official Title

[Title Box]

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature

Date

[Signature Box]

[Date Box]

County Engineer
on behalf of IDOT pursuant to
Agreement of Understanding
Dated August 7, 2012

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	24-PVMKG-12-GM	2024 Pavement Marking Maintenance

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of the DuPage County Division of Transportation
 421 N. County Farm Road, 2nd Floor, Wheaton, IL 60187 Name of Office
 until 2:00 PM on 03-12-24
Address Time Date

Sealed proposals will be opened and read publicly at the office of the DuPage County Division of Transportation
 421 N. County Farm Road, 2nd Floor, Wheaton, IL 60187 Name of Office
 at 2:00 PM on 03-12-24
Address Time Date

DESCRIPTION OF WORK

Location	Project Length
Various County Routes	

Proposed Improvement
 Removal of existing pavement markings and installation of thermoplastic, urethane, and spray thermoplastic pavement markings, and recessed pavement markers.

1. Plans and proposal forms will be available in the office of
 online at https://www.dupagecounty.gov/government/departments/transportation/doing_business/bids_and_lettings.php
 or by contacting the Division of Transportation at (630) 407-6900.

2. ■ Prequalification
 If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following Forms shall be returned by the bidder to the Awarding Authority:
 - a. Local Public Agency Formal Contract Proposal (BLR 12200)
 - b. Schedule of Prices (DuPage County version of BLR 12201)
 - c. Proposal Bid Bond (BLR 12230)
 - d. **DuPage County Apprenticeship or Training Program Certification (all Apprenticeship/Training Registration Number(s) and/or Certificate(s) need to be included with this form)**
 - e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
 - f. **DuPage County - Required Vendor Ethics Disclosure Statement**
 - g. **IRS Form W-9: Request for Taxpayer Identification Number and Certification**
 - h. **Three (3) References Form**
 - i. **Joint Purchasing Authorization**
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	24-PVMKG-12-GM	2024 Pavement Marking Maintenance

PROPOSAL

1. Proposal of Superior Road Striping, INC.
Contractor's Name
225 Miles Parkway Bartlett, IL 60103
Contractor's Address

2. The plans for the proposed work are those prepared by _____
and approved by the Department of Transportation on _____.

3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the " Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.

4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.

5. The undersigned agrees to complete the work within _____ working days or by 8/9/24* & 11/30/24** unless additional time is granted in accordance with the specifications.

6. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.

7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.

8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.

9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: County Treasurer of DuPage.
The amount of the check is _____ (_____).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number _____.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	24-PVMKG-12-GM	2024 Pavement Marking Maintenance

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

- Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
- Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State of Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

- Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter or record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
- Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	24-PVMKG-12-GM	2024 Pavement Marking Maintenance

SIGNATURES

(If an individual)

Signature of Bidder	Date	
<input type="text"/>	<input type="text"/>	
Business Address		
<input type="text"/>		
City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>

(If a partnership)

Firm Name		
<input type="text"/>		
Signature	Date	
<input type="text"/>	<input type="text"/>	
Title		
<input type="text"/>		
Business Address		
<input type="text"/>		
City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert the Names and Addresses of all Partners

<input type="text"/>

(If a corporation)

Corporate Name		
<input type="text"/>		
Signature	Date	
<input type="text"/>	<input type="text"/>	
Title		
<input type="text"/>		
Business Address		
<input type="text"/>		
City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert Names of Officers

President
<input type="text"/>

Attest:

Secretary

Secretary

Treasurer

RETURN WITH BID



**SCHEDULE OF PRICES
(TOTAL BID: BASE BID PLUS ALL ALTERNATIVES)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking Maintenance**

Schedule for Multiple Bids

Combination Letter	Sections included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	9138	\$5.00	45,690.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24497	\$0.70	17,147.90
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	31023	\$0.90	27,920.70
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1100	\$1.40	1,540.00
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	17749	\$2.00	35,498.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3631	\$5.00	18,155.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	788392	\$0.29	228,633.68
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1420	\$6.00	8,520.00
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14432	\$0.85	12,267.20
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	6200	\$1.00	6,200.00
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1000	\$1.60	1,600.00
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2100	\$3.00	6,300.00
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	800	\$6.00	4,800.00
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT	2500	\$3.00	7,500.00
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	69496	\$0.45	31,273.20
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	500	\$25.00	12,500.00

RETURN WITH BID

17	REPLACEMENT REFLECTOR	EACH	500	\$10.00	5,000.00
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT	500	\$0.50	250.00
Bidder's Proposal for making entire improvements (Base + All Alternatives)				\$470,795.68	

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.

RETURN WITH BID

**SCHEDULE OF PRICES
(BASE BID)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking
Maintenance**

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	8000	\$5.00	40,000.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22000	\$0.70	15,400.00
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	27000	\$0.90	24,300.00
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1100	\$1.40	1,540.00
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	13000	\$2.00	26,000.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3000	\$5.00	15,000.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	534605	\$0.29	155,035.45
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1420	\$6.00	8,520.00
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14000	\$0.85	11,900.00
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	6200	\$1.00	6,200.00
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1000	\$1.60	1,600.00
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2100	\$3.00	6,300.00
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	800	\$6.00	4,800.00
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT	2500	\$3.00	7,500.00
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	60000	\$0.45	27,000.00
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	500	\$25.00	12,500.00
17	REPLACEMENT REFLECTOR	EACH	500	\$10.00	5,000.00
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT	500	\$0.50	250.00
Bidder's Proposal for making entire improvements (Base Bid only)					\$368,845.45

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. A)**

Contractor's Name: Superior Road Striping, Inc.
 Local Public Agency: County of DuPage
 County: DuPage
 Section: 24-PVMKG-12-GM
 Route: 2024 Pavement Marking
Maintenance

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$5.00	
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		\$0.70	
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT		\$0.90	
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		\$2.00	
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		\$5.00	
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	119725	\$0.29	34,720.25
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT		\$0.85	
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT		\$0.45	
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. A)				\$34,720.25	

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. B)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking
Maintenance**

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348	\$5.00	1,740.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	778	\$0.70	544.60
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	853	\$0.90	767.70
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2074	\$2.00	4,148.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	315	\$5.00	1,575.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	18454	\$0.29	5,351.66
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT		\$0.85	
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3522	\$0.45	1,584.90
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. B)				\$15,711.86	

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. C)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking
Maintenance**

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	790	\$5.00	3,950.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1719	\$0.70	1,203.30
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3170	\$0.90	2,853.00
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2675	\$2.00	5,350.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	316	\$5.00	1,580.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	65484	\$0.29	18,990.36
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT		\$0.85	
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	5830	\$0.45	2,623.50
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. C)					\$36,550.16

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. D)**

Contractor's Name: Superior Road Striping, Inc.
 Local Public Agency: County of DuPage
 County: DuPage
 Section: 24-PVMKG-12-GM
 Route: 2024 Pavement Marking
Maintenance

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$5.00	
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		\$0.70	
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT		\$0.90	
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		\$2.00	
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		\$5.00	
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	50124	\$0.29	14,535.96
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	432	\$0.85	367.20
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	144	\$0.45	64.80
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. D)				\$14,967.96	

RETURN WITH BID

**SCHEDULE OF PRICES
(BID SUMMARY)**

Contractor's Name: **Superior Road Striping, Inc.**
Local Public Agency: **County of DuPage**
County: **DuPage**
Section: **24-PVMKG-12-GM**
Route: **2024 Pavement Marking
Maintenance**

BID SUMMARY

BASE BID TOTAL	\$368,845.45
ALT. A TOTAL	\$34,720.25
BASE BID + ALT. A	\$403,565.70
ALT. B TOTAL	\$15,711.86
BASE BID + ALT. A + ALT. B	\$419,277.56
ALT. C TOTAL	\$36,550.16
BASE BID + ALT. A + ALT. B + ALT. C	\$455,827.72
ALT. D TOTAL	\$14,967.96
BASE BID + ALT. A + ALT. B + ALT. C + ALT. D	\$470,795.68



Apprenticeship and Training Program Certification

RETURN WITH BID

Local Public Agency	County	Street Name/Road Name	Section Number
County of DuPage	DuPage	Various County Routes	24-PVMKG-12-GM

All contractors are required to complete the following certification

- For this contract proposal or for all bidding groups in this deliver and install proposal.
- For the following deliver and install bidding groups in this material proposal.

The County of DuPage policy, adopted in accordance with DuPage County, Illinois County Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidder's subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
2. The undersigned bidder further certifies, for work to be performed by subcontract, that each of its subcontractors either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work.

International Brotherhood of Teamster, Local 786

4. Except for any work identified above, if any bidder or subcontractor shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforces and positions of ownership.

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or afterward may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder	Signature	Date	
Superior Road Striping, Inc.			
Title			
Address	City	State	Zip Code
225 Miles Parkway	Bartlett	IL	60103



Affidavit of Illinois Business Office

Local Public Agency	County	Street Name/Road Name	Section Number
County of DuPage	DuPage	2024 Pavement Marking Maintenance	24-PVMKG-12-GM

I, Brian Patterson of Bartlett, Illinois,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the Director Contracts & Admin of Superior Road Striping, Inc.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Superior Road Striping, Inc., will maintain a business office in the
Bidder
 State of Illinois, which will be located in Kane County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature	Date
Print Name of Affiant	

Notary Public

State of IL
 County _____

Signed (or subscribed or attested) before me on _____ by
(date)

_____, authorized agent(s) of
(name/s of person/s)

Bidder

(SEAL)

Signature of Notary Public

My commission expires _____



Required Vendor Ethics Disclosure Statement

Failure to complete and return this form may result in delay or cancellation of the County's Contractual Obligation.

Date: _____

Bid/Contract/PO #: 24-PVMKG-12-GM

Company Name:	Company Contact:
Contact Phone:	Contact Email:

The DuPage County Procurement Ordinance requires the following written disclosures prior to award:

1. Every contractor, union, or vendor that is seeking or has previously obtained a contract, change orders to one (1) or more contracts, or two (2) or more individual contracts with the county resulting in an aggregate amount at or in excess of \$25,000, shall provide to Procurement Services Division a written disclosure of all political campaign contributions made by such contractor, union, or vendor within the current and previous calendar year to any incumbent county board member, county board chairman, or countywide elected official whose office the contract to be awarded will benefit. The contractor, union or vendor shall update such disclosure annually during the term of a multi-year contract and prior to any change order or renewal requiring approval by the county board. For purposes of this disclosure requirement, "contractor or vendor" includes owners, officers, managers, lobbyists, agents, consultants, bond counsel and underwriters counsel, subcontractors and corporate entities under the control of the contracting person, and political action committees to which the contracting person has made contributions.

NONE (check here) - If no contributions have been made

Recipient	Donor	Description (e.g. cash, type of item, in-kind services, etc.)	Amount/Value	Date Made

2. All contractors and vendors who have obtained or are seeking contracts with the county shall disclose the names and contact information of their lobbyists, agents and representatives and all individuals who are or will be having contact with county officers or employees in relation to the contractor bid and shall update such disclosure with any changes that may occur.

NONE (check here) - If no contacts have been made

Lobbyists, Agents and Representatives and all individuals who are or will be having contact with county officers or employees in relation to the contract or bid	Telephone	Email

A contractor or vendor that knowingly violates these disclosure requirements is subject to penalties which may include, but are not limited to, the immediate cancellation of the contract and possible disbarment from future county contracts.

Continuing disclosure is required, and I agree to update this disclosure form as follows:

- If information changes, within five (5) days of change, or prior to county action, whichever is sooner
- 30 days prior to the optional renewal of any contract
- Annual disclosure for multi-year contracts on the anniversary of said contract
- With any request for change order except those issued by the county for administrative adjustments

The full text for the county's ethics and procurement policies and ordinances are available at:

<http://www.dupageco.org/CountyBoard/Policies/>

I hereby acknowledge that I have received, have read, and understand these requirements.

Authorized Signature

Printed Name

Title

Date

Attach additional sheets if necessary. Sign each sheet and number each page. Page _____ of _____ (total number of pages)

REFERENCES

All bidders must provide three (3) projects of a similar nature as being performed in the immediate past five (5) years with the name, address and telephone number of the contact person having knowledge of the project or three (3) references (name, address, and telephone number) with knowledge of the integrity and business practices of the contractor.

PROJECT	Pavment Marking
FIRM	Illinois Dept of Transportation
ADDRESS	201 W Center Ct Schaumbug IL 60196
CONTACT	Ken Kenenakhone
TELEPHONE	847-562-6196

PROJECT	Pavement Marking
FIRM	Lake County Dot
ADDRESS	600 W. Winchester Rd Libertyville IL 60047
CONTACT	Tom B
TELEPHONE	847-377-7476

PROJECT	Pavement Marking
FIRM	Kendall County Highway Dept
ADDRESS	6780 Rt 47 Yorkville IL 60560
CONTACT	John B
TELEPHONE	630-774-1840

Joint Purchasing Authorization

County DuPage
Local Public Agency DuPage County D.O.T
Section Number 24-PVMKG-12-GM
Route 2024 Pavement Marking Maintenance

JOINT PURCHASING:

OTHER TAXING BODIES: Based on County Board Resolution IR-084-76.

**Would your firm be willing to extend your bid to other taxing bodies in DuPage County such as school districts, townships, cities and villages, etc.?
The approximate quantity usage is unknown.**

YES X NO _____ **

**** Failure to complete this form will result in a default assumption of a "NO" response.**

State any other requirements that they would have to meet beyond that of our Bid Invitation and Specifications.

NOTE: The County of DuPage would not be involved in purchasing by any other taxing body other than to receive a copy of their purchase order that would reference the County of DuPage contract number. The invoicing and payments would be entirely between the other taxing bodies and the Contractor. If the County of DuPage accepts this bid, the procedure to handle joint purchases would be developed by the County of DuPage with the Contractor and distributed to the taxing bodies by the County of DuPage.

RESOLUTION NO. _____

A RESOLUTION ACCEPTING A PROPOSAL FROM SUPERIOR ROAD STRIPING, INC., AT THE PROPOSED UNIT PRICES, IN AN AMOUNT NOT TO EXCEED \$16,000.00 FOR THE 2024 STREET STRIPING PROGRAM

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien hereby accepts a proposal from Superior Road Striping, Inc., for the 2024 Street Striping Program in an amount not to exceed \$16,000.00, a copy of which is attached hereto as “[Exhibit A](#)” and is by this reference expressly incorporated hereto.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 15th day of April, 2024.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 15th day of April, 2024.

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY



RETURN WITH BID



**SCHEDULE OF PRICES
(TOTAL BID: BASE BID PLUS ALL ALTERNATIVES)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking Maintenance**

Schedule for Multiple Bids

Combination Letter	Sections included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	9138	\$5.00	45,690.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24497	\$0.70	17,147.90
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	31023	\$0.90	27,920.70
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1100	\$1.40	1,540.00
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	17749	\$2.00	35,498.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3631	\$5.00	18,155.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	788392	\$0.29	228,633.68
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1420	\$6.00	8,520.00
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14432	\$0.85	12,267.20
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	6200	\$1.00	6,200.00
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1000	\$1.60	1,600.00
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2100	\$3.00	6,300.00
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	800	\$6.00	4,800.00
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT	2500	\$3.00	7,500.00
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	69496	\$0.45	31,273.20
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	500	\$25.00	12,500.00

RETURN WITH BID

17	REPLACEMENT REFLECTOR	EACH	500	\$10.00	5,000.00
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT	500	\$0.50	250.00
Bidder's Proposal for making entire improvements (Base + All Alternatives)					\$470,795.68

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.

RETURN WITH BID

**SCHEDULE OF PRICES
(BASE BID)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking
Maintenance**

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	8000	\$5.00	40,000.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22000	\$0.70	15,400.00
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	27000	\$0.90	24,300.00
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1100	\$1.40	1,540.00
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	13000	\$2.00	26,000.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3000	\$5.00	15,000.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	534605	\$0.29	155,035.45
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1420	\$6.00	8,520.00
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14000	\$0.85	11,900.00
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	6200	\$1.00	6,200.00
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1000	\$1.60	1,600.00
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2100	\$3.00	6,300.00
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	800	\$6.00	4,800.00
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT	2500	\$3.00	7,500.00
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	60000	\$0.45	27,000.00
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	500	\$25.00	12,500.00
17	REPLACEMENT REFLECTOR	EACH	500	\$10.00	5,000.00
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT	500	\$0.50	250.00
Bidder's Proposal for making entire improvements (Base Bid only)				\$368,845.45	

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. A)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking
Maintenance**

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$5.00	
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		\$0.70	
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT		\$0.90	
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		\$2.00	
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		\$5.00	
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	119725	\$0.29	34,720.25
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT		\$0.85	
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT		\$0.45	
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. A)				\$34,720.25	

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. B)**

Contractor's Name: Superior Road Striping, Inc.
 Local Public Agency: County of DuPage
 County: DuPage
 Section: 24-PVMKG-12-GM
 Route: 2024 Pavement Marking
Maintenance

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348	\$5.00	1,740.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	778	\$0.70	544.60
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	853	\$0.90	767.70
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2074	\$2.00	4,148.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	315	\$5.00	1,575.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	18454	\$0.29	5,351.66
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT		\$0.85	
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3522	\$0.45	1,584.90
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. B)				\$15,711.86	

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. C)**

Contractor's Name: **Superior Road Striping, Inc.**
 Local Public Agency: **County of DuPage**
 County: **DuPage**
 Section: **24-PVMKG-12-GM**
 Route: **2024 Pavement Marking
Maintenance**

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	790	\$5.00	3,950.00
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1719	\$0.70	1,203.30
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3170	\$0.90	2,853.00
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2675	\$2.00	5,350.00
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	316	\$5.00	1,580.00
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	65484	\$0.29	18,990.36
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT		\$0.85	
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	5830	\$0.45	2,623.50
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. C)				\$36,550.16	

RETURN WITH BID

**SCHEDULE OF PRICES
(ALT. D)**

Contractor's Name: Superior Road Striping, Inc.
 Local Public Agency: County of DuPage
 County: DuPage
 Section: 24-PVMKG-12-GM
 Route: 2024 Pavement Marking
Maintenance

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$5.00	
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		\$0.70	
3	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT		\$0.90	
4	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		\$1.40	
5	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		\$2.00	
6	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		\$5.00	
7	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	50124	\$0.29	14,535.96
8	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		\$6.00	
9	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	432	\$0.85	367.20
10	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT		\$1.00	
11	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT		\$1.60	
12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT		\$3.00	
13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT		\$6.00	
14	MODIFIED URETHANE PAVEMENT MARKING - RAISED MEDIAN	SQ FT		\$3.00	
15	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	144	\$0.45	64.80
16	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		\$25.00	
17	REPLACEMENT REFLECTOR	EACH		\$10.00	
18	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT		\$0.50	
Bidder's Proposal for making entire improvements (Alt. D)				\$14,967.96	

RETURN WITH BID

**SCHEDULE OF PRICES
(BID SUMMARY)**

Contractor's Name: **Superior Road Striping, Inc.**
Local Public Agency: **County of DuPage**
County: **DuPage**
Section: **24-PVMKG-12-GM**
Route: **2024 Pavement Marking
Maintenance**

BID SUMMARY

BASE BID TOTAL	\$368,845.45
ALT. A TOTAL	\$34,720.25
BASE BID + ALT. A	\$403,565.70
ALT. B TOTAL	\$15,711.86
BASE BID + ALT. A + ALT. B	\$419,277.56
ALT. C TOTAL	\$36,550.16
BASE BID + ALT. A + ALT. B + ALT. C	\$455,827.72
ALT. D TOTAL	\$14,967.96
BASE BID + ALT. A + ALT. B + ALT. C + ALT. D	\$470,795.68

AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A [resolution](#) to accept a proposal for the purchase of one (1) new Husqvarna walk-behind saw with 24 inch blade diameter from O’Leary’s Contractors Equipment & Supply, Inc., in an amount not to exceed \$8,750.00.

BACKGROUND/HISTORY

The staff request the acquisition of a new walk-behind asphalt and concrete saw to replace the current unit of which is approximately 12 years of age. The saw is utilized to cut road/concrete patches up to 10-iches thick. The existing saw is prone to heating and vacuum lockouts, thus leading to operational concerns. The performance is suboptimal in respect to maintaining straight cuts and water spray issues to maintain dust control. Staff has researched a replacement for the equipment with a self-propelled unit including a self-contained drive system and a larger saw blade. The proposed model is more rugged and ergonomically designed for less vibration and increased power.

Below please find a summary of the competitive quotes:

VENDOR	PRICE QUOTED
Russo	\$ 9,540.99
Imperial Supplies, LLC.	\$ 9,500.00
O’Leary’s Contractors Equipment & Supply, Inc.	\$ 8,750.00

The current budget included funds for the proposed equipment and would be expensed from the following line account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 24/25 BUDGET	PROPOSED EXPENDITURE	PROPOSED BALANCE
01-30-4815	Capital Purchases-Equipment	\$5,000.00	\$4,375.00	\$625.00
02-50-4815	Maintenance Equipment	\$5,000.00	\$4,375.00	\$625.00

STAFF RECOMMENDATION

Staff recommends the purchase of one (1) new Husqvarna walk-behind saw with 24 inch blade diameter from O’Leary’s Contractors Equipment & Supply, Inc., in an amount not to exceed \$8,750.00.

ALTERNATE DECISION

As recommended by the Committee.

DECISION MODE

This item will be placed on the May 6, 2024 City Council agenda for formal consideration.



RESOLUTION NO. _____

A RESOLUTION TO ACCEPT A PROPOSAL FOR THE PURCHASE OF ONE (1) NEW HUSQVARNA WALK-BEHIND SAW WITH 24 INCH BLADE DIAMETER FROM O’LEARY’S CONTRACTORS EQUIPMENT & SUPPLY, INC., IN AN AMOUNT NOT TO EXCEED \$8,750.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien does hereby accept a proposal for the purchase of one (1) new Husqvarna walk-behind saw with 24 inch blade diameter from O’Leary’s Contractors Equipment & Supply, Inc., in an amount not to exceed \$8,750.00, attached hereto as “[Exhibit A](#)”.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May, 2024.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May, 2024.

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

RES

RENTALS
SALES
REPAIRS



1031 N. Cicero Ave. • Chicago, IL 60651

(773) 252-6600


Fax (773) 252-6650

www.olearysequipment.com

customerservice@olearysinc.net

PRINT DATE: 04/09/24 Page 1

QUOTE

Customer: Darlen, City Of 1041 S. Frontage Rd Darlen IL 60561		Delivery Location: 1041 S. Frontage Rd Darlen IL 60561		Ticket# Quote# 994988	
				Loc 100 	
Ordered by: David Fell 630-429-1711 Phone: W (630) 353-8101		PO/Job #		Delivery/Out: 04/09/24 Tue MMS	
				Pick-up/In: 04/23/24 Tue MMS	

Qty	Item	Description	Unit Price	Total
1	1031MISC	Misc Item Husqvarna FS524 24" saw	8750.00	8750.00
----- Payments -----				

Rentals	0.00
Sales	8,750.00
Delivery	0.00
Pickup	0.00
Labor	0.00
Damage Waiver	0.00
Trans Tax	0.00
Sales Tax	0.00
Total	8,750.00

YOU ARE CHARGED FOR TIME EQUIPMENT IS IN YOUR POSSESSION. "WE CHARGE FOR TIME OUT NOT TIME USED."	A CLEANING CHARGE WILL BE MADE ON ITEMS RETURNED DIRTY. EQUIPMENT RECEIVED SUBJECT TO CONDITIONS AND TERMS ON THE REVERSE SIDE OF THIS CONTRACT.
THE VALUE OR PURCHASE PRICE OF EQUIPMENT IS NO RENTAL SHALL BE APPLIED AGAINST PURCHASE EXCEPT AS FOLLOWS	

I acknowledge receipt of the above equipment and represent that if I am not the Lessee, I represent the above indicated Lessee and am authorized to sign in the Lessee's behalf.

X _____ **X** _____
SIGNATURE PRINTED NAME
CELL PHONE _____

Total Paid 0.00
Est Amount Due 8,750.00

Check Out _____ Check In _____ 141

THIS IS YOUR CONTRACT READ BOTH SIDES BEFORE SIGNING

AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A [resolution](#) authorizing the license renewal of a web-based work order software licensing with Granicus in an amount not to exceed \$9,099.16.

BACKGROUND/HISTORY

Currently the City utilizes the services of GovQA and provides the following web based platforms:

- A portal for residents to request services and general questions to various departments
- The City's work order system for Municipal Services
- Limited inspection processes, building permit status and contractor licensing

During the next year Staff will be eliminating the formerly GocQA/Granicus software and licensing and will be looking to deploy replacement platforms with OpenGov to incorporate the abovementioned tasks. The implementation of the project is targeted for this year and will be forwarded under a separate agenda memo. Currently Staff has implemented OpenGov for Code Enforcement and Business Licensing.

The one-year City renewal cost is a fee of \$9,099.16 for the licensing renewal and the FY 24/25 Budget includes funds for the licensing. Last years' service cost was \$8,061 and Staff did not anticipate a \$1,000 increase for this year. Staff has reached out to the Granicus representative with no replies, see [Attachment A](#), correspondence to Granicus. In order to keep the subscription active the City is required to process the invoice.

The proposed expenditure would be expended from the following line account:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 24-25 BUDGET	PROPOSED EXPENDITURE	PROPOSED BALANCE
01-20-4325	Web QA licensing	\$8,500.00	\$9,099.16	(\$599.16)
01-30-4325	Professional Services		\$ 599.16	\$ 00.00

STAFF RECOMMENDATION

A resolution authorizing the license renewal of a web-based work order software with Granicus in an amount not to exceed \$9,099.16.

ALTERNATE DECISION

As recommended by the Committee.

DECISION MODE

This item will be on the May 6, 2024 City Council agenda for formal consideration.



Products and Services Information

Click below to let us know if you would like to get more information about your current products or if you would like more information about additional products and services. Please choose your contact preferences and we'll reach out with more information.

[Provide Details](#)

Modify Contract Details

Click here to let us know if you would like to review your current contract, update billing information or modify or cancel your current contract.

[Provide Details](#)

Contact Your Renewal Specialist

Have additional questions or need help to figure out what's next? Connect with your Renewal Specialist. Tell us your contact preferences and we'll reach out soon.

[Get in touch](#)

<p>First Name: <input type="text" value="Dan"/></p> <p>Last Name: <input type="text" value="Gombac"/></p>
<p>How would you like us to contact you?</p> <p><input type="radio"/> Email</p> <p><input type="text" value="dgombac@darienil.gov"/></p> <p><input checked="" type="radio"/> Phone</p> <p><input type="text" value="630-353-8106"/></p>
<p>Your Request Details</p> <p>Please provide any additional information about your request so that we can help with next steps:</p> <p>2nd Request Licensing costs went up more than \$1,000 to \$9,099 from last years subscription. Requesting a subscription renewal at \$8,061.</p>

[Submit](#)

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING THE LICENSE RENEWAL
OF A WEB-BASED WORK ORDER SOFTWARE WITH GRANICUS
IN AN AMOUNT NOT TO EXCEED \$9,099.16**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU
PAGE COUNTY, ILLINOIS**, as follows:

SECTION 1: The City Council of the City of Darien, hereby authorizes the license renewal of a web-based work order software with Granicus in an amount not to exceed \$9,099.16, a copy of which is attached hereto as "[Exhibit A](#)" and is by this reference expressly incorporated herein.

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

**PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE
COUNTY, ILLINOIS**, this 6th day of May, 2024.

AYES: _____

NAYS: _____

ABSENT: _____

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS**, this 6th day of May, 2024.

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

Regina Kokkinis

From: Dan Gombac
Sent: Thursday, April 4, 2024 10:39 AM
To: Regina Kokkinis
Subject: FW: Your Granicus Subscription Renewal is Coming Up!

From: Dan Gombac
Sent: Monday, March 18, 2024 2:14 PM
To: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: FW: Your Granicus Subscription Renewal is Coming Up!

Pls process

From: Granicus Renewals <noreply@sfemail.granicus.com>
Sent: Thursday, March 14, 2024 5:37 PM
To: Dan Gombac <dgombac@darienil.gov>
Subject: Your Granicus Subscription Renewal is Coming Up!

To view this email as a web page, go [here](#).

Hello Dan,

Darien IL's annual Granicus subscription is due to automatically renew for the period of performance of 6/15/2024 - 6/14/2025.

The new annual total will be \$USD 9099.16 for the Granicus solutions noted below:

Existing Subscriptions			
Solution	Billing Frequency	Quantity / Unit	Annual Fee
Municipal Community Development Service	Annual	1.00	2159.44
CRM Module	Annual	1.00	6939.72

Your invoice will be sent out near the subscription start date but we'd appreciate it if you would confirm receipt of this notification now.

Granicus looks forward to continuing our relationship with Darien IL and supporting your organization to create greater impact for the citizens you serve.

Confirm renewal

Additional questions

Please let us know if you have any questions or concerns at least 30 days prior to 6/15/2024 so as not to interrupt your subscription service.

Best,

The Granicus Renewals Team

This email was sent to: dgombac@darienil.gov

This email was sent by: Granicus
408 St. Peter Street, Saint Paul, Minnesota, 55102, United States



We respect your right to privacy - [view our policy](#)

AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A [resolution](#) accepting a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$68,615 for the Municipal Services Department

AND

A [resolution](#) accepting a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$49,015 for the Community Development-Building Division Permit files.

BACKGROUND/HISTORY

The City currently has a significant number of Public Works files consisting of plans, infrastructure projects, policies and various departmental records. It is estimated there are 375,000 documents.

Many of the records are permanent records and need to be preserved. The records are a history of infrastructure projects, field drawings and correspondences as it relates to the City infrastructure, property concerns and file. Attached and labeled as [Attachment A](#), is the costs related to the Municipal Services Department.

The Community Development-Building Division Permit files also has a significant number of permit files containing an estimated 110,000 various records. These records are permanent records and need to be preserved. The records are a history of building records and surveys for all physical structures within the City. Attached and labeled as [Attachment B](#), is the costs related to the Community Development Department.

The goal of the projects is to reduce the physical footprint of paper files, preserve records, through a secure I-Cloud data base storage and management system. Further benefits to digitizing are ease of searching, retrieving, and reproducing documents from Staffs work station. Please note that contingencies have been included within the respective Attachments.

The scope of work, for both departments includes the following:

- Pickup and Delivery of Documents
- Conversion of paper files to digital
- Cataloging and Indexing
- Software and Licensing
- Hardware
- Misc Programming

Laserfische is a tool that is currently used with the Accounting, Municipal Services-large format plans, and the Police Department with very satisfactory results. Additional services through AIS

will be required to modify the server for the hardware and software. The proposed expenditure would be expended from the following line items:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY24-25 BUDGET	PROPOSED EXPENDITURE
01-30-4325	Laserfische Scanning	\$68,615	\$68,615
01-20-4325	Laserfische Scanning	\$49,015	\$49,015

STAFF RECOMMENDATION

Staff recommends the Municipal Services Committee approves a resolution accepting a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$68,615 for the Municipal Services Department

AND

A resolution accepting a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$49,015 for the Community Development-Building Division Permit files.

ALTERNATE DECISION

As recommended by the Committee.

DECISION MODE

This item will be on the May 6, 2024 City Council agenda for formal consideration.

DIGITAL CONVERSION PROJECT-MUNICIPAL SERVICES

Vendor/Description	PROJECT 2 DIGITAL CONVERSION PROJECT-MUNICIPAL SERVICES	Units	Quantity	Unit Cost	Cost	Annual Cost
AIS Labs Hardware Software Programming						
	Estimated AIS labor to work w/TKB setup remotely	Hourly	8	\$ 105.00	\$ 840.00	
	Monthly-for data continuity & disaster recovery offsite backup/replication per required regulations-NO NEW EQUIOMNET EXISTING HARDWAREW INSTALLED IN 2022	Annual	1	APPLIED TO COM DEV		
	Device setup with Laserfiche Mary Maria Jordan	Each	2	\$ 315.00	\$ 630.00	
	Contingency	Lump Sum	1	\$ 500.00	\$ 500.00	
AIS Labs Costs Year 1					\$ 1,970.00	
AIS Annual Costs						APPLIED TO COM DEV
TKB Associates-Software and Licensing Programming	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email-Software and Licensing	Each	2	\$ 600.00	\$ 1,200.00	
	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email - Annual LSAP-Licensing	Annual	2	\$ 120.00	\$ 240.00	\$ 240.00
	MATM Laserfiche Standard Audit Trail	EACH	2	\$ 75.00	\$ 150.00	\$ 150.00
	MATM Laserfiche Standard Audit Trail - Annual LSAP	Annual	2	\$ 15.00	\$ 30.00	\$ 30.00
	MC-501 Laserfiche SCANCONNECT	EACH	2	\$ 165.00	N/A	
	MC-501 Laserfiche SCANCONNECT Annual LSAP	Annual	2	\$ 33.00	N/A	\$ 66.00
	On-Site/Remote LaserFiche Installation & Training	Hourly	8	\$ 175.00	\$ 1,400.00	
TKB Associates Costs Year 1					\$ 3,020.00	
TKB Associates Reoccurring Annual Cost						\$ 486.00
TKB Associates-Scanning and Cataloging	Conversion of Standard 8.5x11 Format Files to Digital image for import into Laserfiche - Prepping Scanning and Indexing -	Each	375,000	\$ 0.09	\$ 31,875.00	
	Conversion of Large Format Files to Digital image for import into Laserfiche - Prepping Scanning and Indexing -	Each	1,500	\$ 1.00	\$ 1,500.00	
	Indexing - Department files - Department, Document Type, and Date - Indexes TBD	Each	31,250	\$ 0.60	\$ 18,750.00	
	Pick-Up/Delivery Charge of Boxes	Per	2	\$ 500.00	\$ 1,000.00	
	Contingency	Lump Sum	1	\$ 5,000.00	\$ 5,000.00	
TKB Associates Scanning and Cataloging Cost					\$ 58,125.00	
Equipment-Scanners	Scanners DR-6030C Kris-SHARED Don/Dennis/Dave	Lump Sum	2	\$ 2,750.00	\$ 5,500.00	
Cost Summary						
AIS Labs Hardware/SOFTWARE INSTALLATION					\$ 1,970.00	
TKB Associates-Laserfiche Software and Licensing Cost & Contingency					\$ 3,020.00	
TKB Associates Scanning and Cataloging Cost					\$ 58,125.00	
TKB Scanners					\$ 5,500.00	
Total Program Cost					\$ 68,615.00	
Annual Cost Summary						
AIS Labs Monthly-for data continuity & disaster recovery offsite backup/replication per required regulations						APPLIED TO COM DEV
TKB Associates-Licensing Cost					\$ 486.00	
Total Annual Reoccurring Program Cost					\$ 486.00	

MEMO

DIGITAL CONVERSION PROJECT-COMMUNITY DEVELOPMENT AND BUILDING DEPT

Vendor/Description	PROJECT 1		Units	Quantity	Unit Cost	Cost	Annual Cost
	DIGITAL CONVERSION PROJECT-COMMUNITY DEVELOPMENT AND BUILDING DEPT	ACCOUNT 01-20-4325					
AIS Labs Hardware Software Programming							
	Estimated AIS labor to work w/TKB setup remotely		Hourly	8	\$ 105.00	\$ 840.00	3,000.00
	Monthly-for data continuity & disaster recovery offsite backup/replication per required regulations-NO NEW EQUIOMNET EXISTING HARDWAREW INSTALLED IN 2022		Annual	1	\$ 3,000.00		\$ 3,000.00
	Device setup with Laserfiche Mary Maria Jordan		Each	3	\$ 315.00	\$ 945.00	3,000.00
	Contingency		Lump Sum	1	\$ 500.00	\$ 500.00	3,000.00
AIS Labs Costs Year 1						\$ 2,285.00	3,000.00
AIS Annual Costs							\$ 3,000.00
TKB Associates-Software and Licensing Programming							
	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email-Software and Licensing		Each	3	\$ 600.00	\$ 1,800.00	3,000.00
	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email - Annual LSAP-Licensing		Annual	3	\$ 120.00	\$ 360.00	\$ 360.00
	MATM Laserfiche Standard Audit Trail		EACH	3	\$ 75.00	\$ 225.00	\$ 225.00
	MATM Laserfiche Standard Audit Trail - Annual LSAP		Annual	3	\$ 15.00	\$ 45.00	\$ 45.00
	MC-501 Laserfiche SCANCONNECT		EACH	5	\$ 165.00	N/A	165.00
	MC-501 Laserfiche SCANCONNECT Annual LSAP		Annual	5	\$ 33.00	N/A	\$ 165.00
	On-Site/Remote LaserFiche Installation & Training		Hourly	16	\$ 175.00	\$ 2,800.00	165.00
TKB Associates Costs Year 1						\$ 5,230.00	165.00
TKB Associates Reoccurring Annual Cost							\$ 795.00
Total Annual Costs AIS and TKB Assoc							\$ 3,795.00
TKB Associates-Scanning and Cataloging							
	Conversion of Standard 8.5x11 Format Files to Digital image for import into Laserfiche - Prepping and Scanning		Each	100,000	\$ 0.09	\$ 8,500.00	
	Conversion of Large Format Files to Digital image for import into Laserfiche - Prepping Scanning		Each	10,000	\$ 1.00	\$ 10,000.00	
	Indexing - Department files - Department, Document Type, and Date - ADRESS AND PERMIT NO		Each	10,000	\$ 0.60	\$ 6,000.00	
	Pick-Up/Delivery Charge of Boxes		Per	2	\$ 500.00	\$ 1,000.00	
	Contingency		Lump Sum	1	\$ 5,000.00	\$ 5,000.00	
TKB Associates Scanning and Cataloging Cost							\$ 30,500.00
Equipment-Scanners							
	Scanners DR-6030C Mary, Maria, Jordan		Each	4	\$ 2,750.00	\$ 11,000.00	
Cost Summary							
AIS Labs Hardware/SOFTWARE INSTALLATION						\$ 2,285.00	
TKB Associates-Laserfiche Software and Licensing Cost & Contingency						\$ 5,230.00	
TKB Associates Scanning and Cataloging Cost						\$ 30,500.00	
TKB Scanners						\$ 11,000.00	
Total Program Cost						\$ 49,015.00	
Annual Cost Summary							
AIS Labs Monthly-for data continuity & disaster recovery offsite backup/replication per required regulations						\$ 3,000.00	
TKB Associates-Licensing Cost						\$ 795.00	
Total Annual Reoccurring Program Cost						\$ 3,795.00	



RESOLUTION NO. _____

A RESOLUTION ACCEPTING A PROPOSAL FROM TKB ASSOCIATES, INC., FOR DIGITALIZING, CATALOGING, SOFTWARE, HARDWARE AND PROGRAMMING IN AN AMOUNT NOT TO EXCEED \$68,615 FOR THE MUNICIPAL SERVICES DEPARTMENT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien hereby accepts a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$68,615 for the Municipal Services Department, a copy of which is attached hereto as "**Exhibit A**".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May 2024.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May 2024.

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM

CITY ATTORNEY



TKB Associates, Inc.

9459 Enterprise Drive
Mokena, IL 60448

Proposal

Date	Estimate #
12/18/2023	2349

Name / Address
City of Darien Lisa Klemm 1702 Plainfield Rd Darien, IL 60561

Terms	Rep
	JB

Item	Description	Qty	Cost	Total
	Project 1 The first set of files includes building permits and we currently have 15 file drawers that contain approximately 10,000 jacketed file folders. Each file contains an average of 10, 8.5 x 11 inch sheets with majority of the files including a plat of survey, or oversized sheets. The total will be approx 100,000 sheets of single sided scanning. The files are labeled by address and would be filed by street name.			
Conversion	Prepping Scanning Indexing - Small Format	100000	0.085	8,500.00T
Conversion	Prepping Scanning Indexing - Large Format	10,000	1.00	10,000.00T
Conversion	Indexing Documents - Two Index Fields - Address & Permit Numbers	10,000	0.60	6,000.00T
Pick-Up/Delivery	Pick-Up/Delivery Transportation Charge of Projects	2	500.00	1,000.00T
	Total Investment			25,500.00
	Project 2 PUBLIC WORKS/ADMIN The second project consists of files for the Public Works, Administrative. There are 2 5-drawer lateral cabinets, 2 2-drawer lateral cabinets and 2 5-drawer cabinets containing 8.5 x 11 inches with limited 11 x 17 sheets. The files are contained in file folders and labeled alphabetically by subject. The files vary in size from 8 single sheets to 150 sheets and includes an average of 1 oversized sheet per 5 files. The calculated estimate of sheets is 375,000 sheets.			
Conversion	Prepping Scanning Indexing - Small Format	375000	0.085	31,875.00T
Conversion	Prepping Scanning Indexing - Large Format	1,500	1.00	1,500.00T
Conversion	Indexing Documents - Two Index Fields - Subject & TBD - 12 pages per document	31,250	0.60	18,750.00T
	Total Investment			52,125.00

It's been a pleasure working with you!

cont. 6000
58,125

Please visit our Web Site at www.tkbassociates.com

Phone #	Fax #
708-478-4100	708-478-4167



TKB Associates, Inc.

9459 Enterprise Drive
Mokena, IL 60448

Proposal

Date	Estimate #
12/20/2025	2350

Name / Address
City of Darien Lisa Klenm 1702 Plainfield Rd Darien, IL 60561

Terms	Rep
	JB

Item	Description	Qty	Cost	Total
	This proposal will add 5 additional users to the existing Laserfiche system and 5 scanning licenses Quote Number: QU-00048342 Quote Name: 5 named Users & 5 Scan Connects			
MNF16	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email	5	600.00	3,000.00T
MNF16B	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email - Annual LSAP	5	120.00	600.00
MATM	MATM Laserfiche Standard Audit Trail	5	75.00	375.00T
MATMB	MATM Laserfiche Standard Audit Trail - Annual LSAP	5	15.00	75.00
MCS01	MCS01 Laserfiche ScanConnect	5	165.00	825.00T
MCS01B	MCS01 Laserfiche ScanConnect - Annual LSAP	5	33.00	165.00
	Total Investment			5,040.00
	Sales Tax Exempt		0.00%	0.00

It's been a pleasure working with you!

Please visit our Web Site at www.tkbassociates.com

Phone #	Fax #
708-478-4100	708-478-4167



TKB Associates, Inc.

9459 Enterprise Drive
Mokena, IL 60448

Proposal

Date	Estimate #
12/20/2023	2351

Name / Address
City of Darien Lisa Klemm 1702 Plainfield Rd Darien, IL 60561

Terms	Rep
	JB

Item	Description	Qty	Cost	Total
DR-M260	<p>Most Popular Desktop Scanners:</p> <p>Canon DR-M260 Duplex Color Scanner - Letter & Legal Sized Scanning - 5 Year Adv Exchange warranty (60) Page per Minute Simplex B/W @ 200 dpi (120) Images per Minute Duplex B/W @200 dpi (60) Pages per Minute Simplex Color @200 dpi (120) Images per Minute Duplex Color @ 200 dpi 100-600 dpi and Up to 8-1/2 x 14 USB 2.0, USB 3.0 Gen 1 (80) Page Automatic Document Feeder 7,500 LTR Daily Duty Cycle One 5-foot USB cable will be bundled and shipped with each unit</p>	1	890.00	890.00T
DR-6030C	<p>Canon DR-6030C Duplex Color Scanner - Up to 11 x 17 Sized Scanning - 90 Day Warranty (80) Page per Minute Simplex (160) Images per Minute Duplex (80) Images per Minute Simplex Color (160) Images per Minute Duplex Color 100-600 dpi and Up to 11.8 x 17 (100) Page Automatic Document Feeder & Straight Pass 10,000 LTR Daily Duty Cycle SCSI-III and USB 2.0 Interfaces Canon warranty: 90 Days Onsite</p>	1	2,750.00	2,750.00T

Please visit our Web Site at www.tkbassociates.com

Phone #	Fax #
708-478-4100	708-478-4167



RESOLUTION NO. _____

A RESOLUTION ACCEPTING A PROPOSAL FROM TKB ASSOCIATES, INC., FOR DIGITALIZING, CATALOGING, SOFTWARE, HARDWARE AND PROGRAMMING IN AN AMOUNT NOT TO EXCEED \$49,015 FOR THE COMMUNITY DEVELOPMENT-BUILDING DIVISION PERMIT FILES

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien hereby accepts a proposal from TKB Associates, Inc., for digitalizing, cataloging, software, hardware and programming in an amount not to exceed \$49,015 for the Community Development-Building Division Permit files. a copy of which is attached hereto as "[Exhibit A](#)".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May 2024.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May 2024.

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM

CITY ATTORNEY



TKB Associates, Inc.

9459 Enterprise Drive
Mokena, IL 60448

Proposal

Date	Estimate #
12/18/2023	2349

Name / Address
City of Darien Lisa Klemm 1702 Plainfield Rd Darien, IL 60561

Terms	Rep
	JB

Item	Description	Qty	Cost	Total
	<p>Project 1</p> <p>The first set of files includes building permits and we currently have 15 file drawers that contain approximately 10,000 jacketed file folders. Each file contains an average of 10, 8.5 x 11 inch sheets with majority of the files including a plat of survey, or oversized sheets. The total will be approx 100,000 sheets of single sided scanning. The files are labeled by address and would be filed by street name.</p>			
Conversion	Prepping Scanning Indexing - Small Format	100000	0.085	8,500.00T
Conversion	Prepping Scanning Indexing - Large Format	10,000	1.00	10,000.00T
Conversion	Indexing Documents - Two Index Fields - Address & Permit Numbers	10,000	0.60	6,000.00T
Pick-Up/Delivery	Pick-Up/Delivery Transportation Charge of Projects	2	500.00	1,000.00T
	Total Investment			25,500.00
	<p>Project 2</p> <p>The second project consists of files for the Public Works, Administrative. There are 2 5-drawer lateral cabinets, 2 2-drawer lateral cabinets and 2 5-drawer cabinets containing 8.5 x 11 inches with limited 11 x 17 sheets. The files are contained in file folders and labeled alphabetically by subject. The files vary in size from 8 single sheets to 150 sheets and includes an average of 1 oversized sheet per 5 files. The calculated estimate of sheets is 375,000 sheets.</p>			
Conversion	Prepping Scanning Indexing - Small Format	375000	0.085	31,875.00T
Conversion	Prepping Scanning Indexing - Large Format	1,500	1.00	1,500.00T
Conversion	Indexing Documents - Two Index Fields - Subject & TBD - 12 pages per document	31,250	0.60	18,750.00T
	Total Investment			52,125.00

It's been a pleasure working with you!

Please visit our Web Site at www.tkbassociates.com

Phone #	Fax #
708-478-4100	708-478-4167



Laserfiche Proposal – AIS' Involvement

Option 1 – Cloud

\$210 Estimated 2 hours AIS Labor to work with TKB to setup remotely.

Option 2 – On-Premises

\$420 Estimated 4 hours AIS Labor to work with TKB to setup remotely.

\$1,604 Additional disk space storage (8TB) on the server for PW's Laserfiche repository.

Must be Dell compatible.

Current promotion, 20% off.

\$735 Estimated 7 hours Labor for AIS to configure.

\$250 Monthly. Darien's backup system stores data offsite per required regulations. AIS needs to expand the offsite space to accommodate the new Laserfiche scanned documents.

Laserfiche works most effective (staff labor wise) when using a locally connected scanning device. This will save a significant amount of labor time over the length of the project.

\$315 Estimated 3 hours AIS Labor to setup and work with TKB. (per device)

TKB and AIS have numerous common municipal clients. We have full faith in their setup and ongoing support. AIS recommends the on-premises option 2. Main reasons:

- Upfront cost is higher, but after year 1 it is more economical.
- An on-premises system is what PD and our other common clients use.
 - We are very familiar with this type of solution and the support needed.



TKB Associates, Inc.

9459 Enterprise Drive
Mokena, IL 60448

Proposal

Date	Estimate #
12/20/2023	2351

Name / Address
City of Darien Lisa Klemm 1702 Plainfield Rd Darien, IL 60561

Terms	Rep
	JB

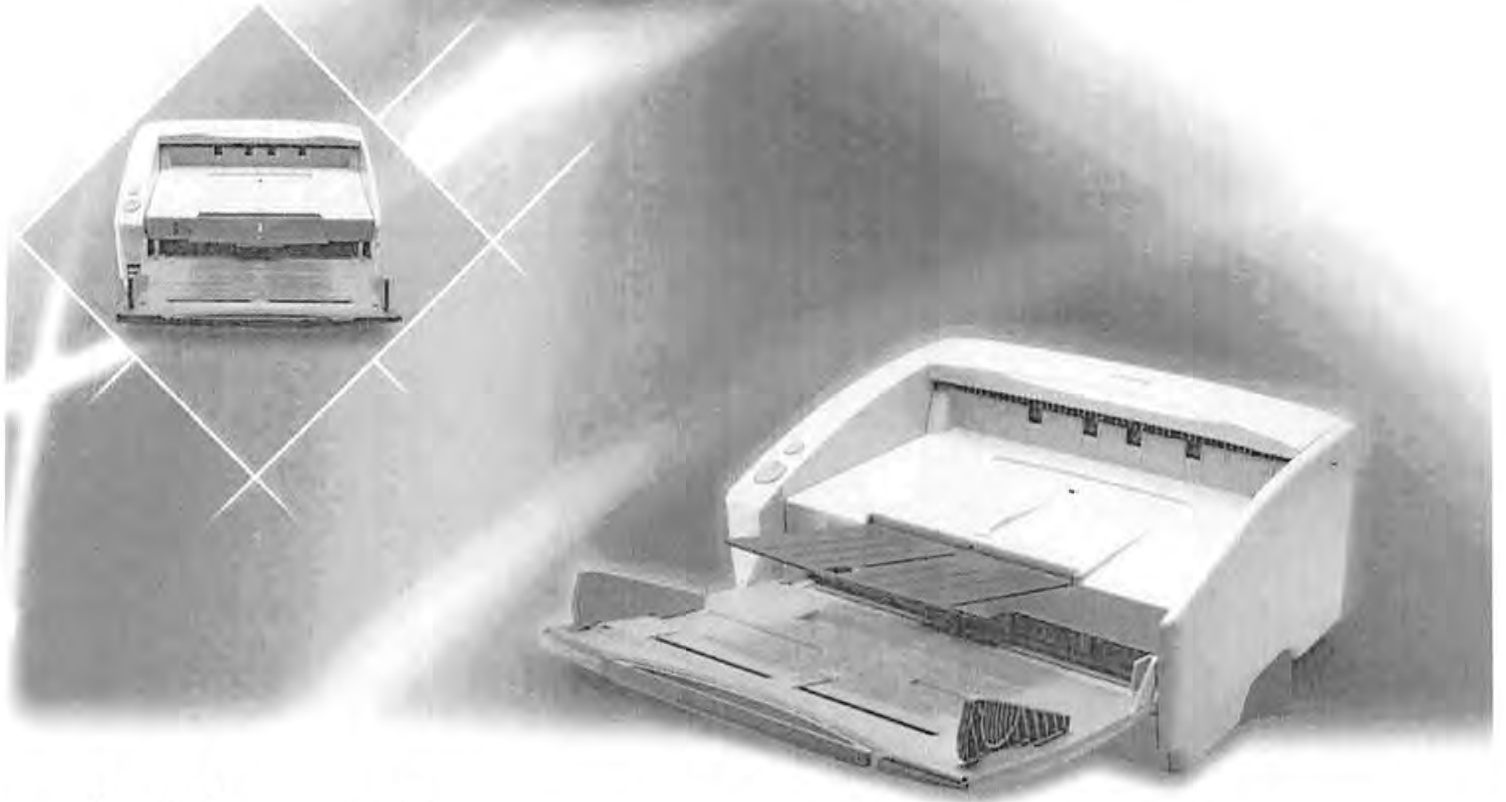
Item	Description	Qty	Cost	Total
DR-M260	<p>Most Popular Desktop Scanners:</p> <p>Canon DR-M260 Duplex Color Scanner - Letter & Legal Sized Scanning - 5 Year Adv Exchange warranty (60) Page per Minute Simplex B/W @ 200 dpi (120) Images per Minute Duplex B/W @200 dpi (60) Pages per Minute Simplex Color @200 dpi (120) Images per Minute Duplex Color @ 200 dpi 100-600 dpi and Up to 8-1/2 x 14 USB 2.0, USB 3.0 Gen 1 (80) Page Automatic Document Feeder 7,500 LTR Daily Duty Cycle</p>	1	890.00	890.00T
DR-6030C	<p>One 5-foot USB cable will be bundled and shipped with each unit</p> <p>Canon DR-6030C Duplex Color Scanner - Up to 11 x 17 Sized Scanning - 90 Day Warranty (80) Page per Minute Simplex (160) Images per Minute Duplex (80) Images per Minute Simplex Color (160) Images per Minute Duplex Color 100-600 dpi and Up to 11.8 x 17 (100) Page Automatic Document Feeder & Straight Pass 10,000 LTR Daily Duty Cycle SCSI-III and USB 2.0 Interfaces Canon warranty: 90 Days Onsite</p>	1	2,750.00	2,750.00T

Please visit our Web Site at www.tkbassociates.com

Phone #	Fax #
708-478-4100	708-478-4167

Canon

 **imageFORMULA**
DR-6030C



Fast, Accurate Scans. Immediate Productivity.

Canon's imageFORMULA DR-6030C departmental scanner blends high speeds and reliable document handling with versatility and convenience. The DR-6030C scanner provides comprehensive functionality in a desktop design that effectively delivers document capture benefits in any business application.

Wide Variety of Applications

The DR-6030C scanner is ideal for distributed scanning of high volumes of documents. At the front desk or in the back office, this scanner is well-suited for use at the departmental level. Government, financial services, healthcare, education, and other industries can benefit from its convenient design and its flexible, reliable document handling.

High Speed

The DR-6030C scanner is capable of scanning in color as rapidly as it does in black and white—up to 80 pages or 160 images per minute.* It also includes a 100-sheet Automatic Document Feeder (ADF).

Reliable

The DR-6030C scanner includes Ultrasonic Double-Feed Detection to ensure no data is lost in the event that a double-feed occurs. And in case of a misfeed, the scanner employs a Rapid Recovery System, allowing the user to resolve the issue and resume scanning from that point.

Versatile

The DR-6030C scanner can handle a wide variety of document types and features user-selectable paper paths. The default U-turn paper path works well for typical high-volume scan jobs, and the straight paper path can be selected for scanning items such as thick documents, plastic ID cards, and driver licenses. The DR-6030C scanner also includes a Long Document Mode to handle documents up to 118" in length.



image FORMULA DR-6030C

Convenient

With an efficient design, the DR-6030C scanner is small enough to fit on a desktop. For added convenience, it can handle batches of mixed documents. The DR-6030C scanner can deskew or rotate inverted images and has features such as Auto Page Size Detection and Skip Blank Page, to reduce preparation time and enable unattended batch scanning. For quick access to frequently used settings, users can register up to 100 sets of scanning preferences. And built-in MultiStream™ technology allows for the simultaneous output of different image types from a single scan.

Comprehensive

In addition to ISIS® and TWAIN drivers for easy integration with third-party Enterprise Content Management (ECM) applications, the DR-6030C scanner comes bundled with Canon CapturePerfect® and Kofax VirtualReScan software to deliver a complete, end-to-end solution.

High Image Quality

With a resolution of up to 600 dpi, the DR-6030C scanner delivers impressive and consistent image quality. Image processing features, including Three-Dimensional Color Correction, Custom Color Dropout, Punch Hole Removal, and High-Speed Text Enhancement, allow sharp image capture, resulting in better OCR accuracy and readability.

Environment in Mind

The DR-6030C scanner meets the ENERGY STAR® guidelines for energy efficiency and complies with the RoHS and WEEE directives for reduction of hazardous substances and waste products.

Customer Care

A CarePAK is available for the DR-6030C scanner. The CarePAK Extended Service Plan was created to save on costs associated with post-purchase maintenance, maximize uptime throughout the life of the product, and instill confidence in the Canon scanner investment for years to come.

Specifications

Type:	Departmental Scanner
Document Feeding:	Automatic or Manual
Document Size	
Width:	2.1" - 11.8"
Length:	2.8" - 17"
Long Doc. Mode:	Up to 118"
Document Weight	
U-Turn Path	
Automatic Feeding:	14 - 32 lb. Bond
Manual Feeding:	11 - 40 lb. Bond
Straight Path	
Automatic Feeding:	14 - 32 lb. Bond
Manual Feeding:	11 - 144 lb. Bond
Feeder Capacity:	100 Sheets
Grayscale:	8-bit
Color:	24-bit
Scanning Element:	Three-Line Contact Image Sensor (CMOS)
Light Source:	RGB LED
Scanning Modes:	Simplex, Duplex, Color, Grayscale, Black and White, Text Enhancement (Three Types), Error Diffusion
Color Dropout:	Red, Green, Blue, Custom
Optical Resolution:	600 dpi
Output Resolution:	100/150/200/240/300/400/600 dpi
Scanning Speeds*	Simplex Duplex
Black and White:	Up to 80 ppm Up to 160 ipm
Grayscale:	Up to 80 ppm Up to 160 ipm
Color:	Up to 80 ppm Up to 160 ipm
Interface:	Hi-Speed USB 2.0, SCSI-III
Scanner Drivers:	ISIS/TWAIN for Windows®/XP/Windows Vista®/Windows 7 (32-bit/64-bit)
Dimensions (H x W x D):	7.5" x 15.6" x 12.3"
Weight:	23 lb.

Power Consumption:	46.5W or Less (Energy Saving Mode: 3.7W or Less)
Suggested Daily Volume:	10,000 Scans
Bundled Software:	ISIS/TWAIN Drivers, Canon CapturePerfect, Kofax VirtualReScan
Options:	Flatbed Scanner Unit 101, Exchange Roller Kit, Barcode Module III, CarePAK
Other Features:	Auto Color Detection, Auto Page Size Detection, Custom Color Dropout/Enhance Color, Deskew, Long Document Mode, Moiré Reduction, MultiStream, Pre-Scan, Prevent Bleed-Through/Remove Background, Punch Hole Removal, Skip Blank Page, Text Orientation Recognition, Three-Dimensional Color Correction, Ultrasonic Double-Feed Detection, User Preferences
Item Number:	4624B002

* Examples based on typical settings, rated in pages/images per minute with letter-sized documents, landscape-feeding direction, up to 200 dpi.

Canon

image*ANYWARE*

1-800-OK-CANON
www.usa.canon.com

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042

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TKB Associates, Inc.

9459 Enterprise Drive
Mokena, IL 60448

Proposal

Date	Estimate #
12/20/2023	2350

Name / Address
City of Darien Lisa Klemm 1702 Plainfield Rd Darien, IL 60561

Terms	Rep
	JB

Item	Description	Qty	Cost	Total
	This proposal will add 5 additional users to the existing Laserfiche system and 5 scanning licenses Quote Number: QU-00048342 Quote Name: 5 named Users & \$ Scan Connects			
MNF16	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email	5	600.00	3,000.00T
MNF16B	MNF16 Laserfiche Named Full User with Web Access, Mobile, Snapshot and Email - Annual LSAP	5	120.00	600.00
MATM	MATM Laserfiche Standard Audit Trail	5	75.00	375.00T
MATMB	MATM Laserfiche Standard Audit Trail - Annual LSAP	5	15.00	75.00
MCS01	MCS01 Laserfiche ScanConnect	5	165.00	825.00T
MCS01B	MCS01 Laserfiche ScanConnect - Annual LSAP	5	33.00	165.00
	Total Investment			5,040.00
	Sales Tax Exempt		0.00%	0.00

It's been a pleasure working with you!

Please visit our Web Site at www.tkbassociates.com

Phone #	Fax #
708-478-4100	708-478-4167

AGENDA MEMO
Municipal Services Committee
April 22, 2024

ISSUE STATEMENT

A [resolution](#) accepting a 3-year contract from Vestis Uniform & Workplace Supplies for the leasing of floor mats including the delivery and cleaning of in an amount not to exceed \$4,967.04 each year.

BACKGROUND

The City of Darien requires the service of floor mats for the police department, city hall and public works facility. The mats further prevent slips and falls during inclement weather and promote further sanitary conditions. The City currently outsources this service twice a month for replacing the mats at all three locations. The current vendor is Cintas and they have recently proposed a rate increase and Staff solicited for additional quotes.

The scope of work includes the vendor removing soiled mats and supplying clean various type and size floor mats at the three city facilities. Staff entertained services comparing weekly services and bi-monthly. The most economical cost is to provide the service once a week versus bi-monthly. The City would see a cost savings of \$382.08 with the weekly plan.

Below are the results of the competitive quotes from two vendors.

VENDOR	COST/FREQUENCY
Cintas	\$4,971.20 / 2 times a month
Vestis	\$5,073.12 / 2 times a month
Cintas	\$9,757.28 / 4 times a month
*Vestis	\$4,967.04 / 4 times a month

*Proposed service

Please note that the quantity on [Attachment A](#) has an additional quantity of one. The quantity difference is due to their quoting and inventory software and a separate e-mail labeled as [Attachment B](#) further addresses the difference. There is no effect on the pricing or service to be provided.

The budgeted expenditure would be expended from the following account:

Account Number	Account Description	FY 24-25 Budget	Proposed Expenditure
01-30-4223	Maintenance - Building	\$37,000.00	\$4,967.04

STAFF RECOMMENDATION

Staff recommends approval of a resolution accepting a 3-year contract from Vestis Uniform & Workplace Supplies for the leasing of floor mats including the delivery and cleaning of in an amount not to exceed \$4,967.04.

ALTERNATE CONSIDERATION

As directed by the Committee.

DECISION MODE

This item will be placed on the May 6, 2024 City Council agenda for formal consideration.

MEMO

FLOOR MATS

		1041 S. Frontage Rd			1702 Plainfield Rd			1710 Plainfield Rd				
		Public Works			City Hall			Police Dept.				
		quantity	unit price	total price	quantity	unit price	total price	quantity	unit price	total price		
CINTAS - 2 TIMES A MONTH												
	3 x 10 black mat	3	\$ 4.935	\$ 14.81								
	3 x 5 black mat	4	\$ 3.360	\$ 13.44								
	4 x 6 black mat	1	\$ 3.195	\$ 3.20	3	\$ 3.195	\$ 9.59	2	\$ 3.195	\$ 6.39		
	4 x 6 logo mat				1	\$ 11.988	\$ 11.99					
	4 x 12 gray mat				1	\$ 30.789	\$ 30.79	1	\$ 30.789	\$ 30.79		
	3 x 5 scraper black mat							1	\$ 6.480	\$ 6.48		
	3 x 10 black mat							2	\$ 4.935	\$ 9.87		
	6 x logo mat							1	\$ 50.309	\$ 50.31		
	invoice minimum of \$35.00			\$ 3.56								
		8			5			7				
TOTAL				\$ 35.00			\$ 52.36			\$ 103.84	\$ 191.20	
Annual Costs		26								\$ 191.20	\$ 4,971.20	
CINTAS - 4 TIMES A MONTH												
	3 x 10 black mat	3	\$ 4.935	\$ 14.81								
	3 x 5 black mat	4	\$ 3.360	\$ 13.44								
	4 x 6 black mat	1	\$ 3.195	\$ 3.20	3	\$ 3.195	\$ 9.59	2	\$ 3.195	\$ 6.39		
	4 x 6 logo mat				1	\$ 11.988	\$ 11.99					
	4 x 12 gray mat				1	\$ 30.789	\$ 30.79	1	\$ 30.789	\$ 30.79		
	3 x 5 scraper black mat							1	\$ 6.480	\$ 6.48		
	3 x 10 black mat							2	\$ 4.935	\$ 9.87		
	service charge							1	\$ 50.309	\$ 50.31		
		8			5			7				
TOTAL				\$ 31.44			\$ 52.36			\$ 103.84	\$ 187.64	
Annual Cost		52								\$ 187.64	\$ 9,757.28	
VESTIS - 2 TIMES A MONTH												
	3 x 10 black mat	3	\$ 6.500	\$ 19.50	1	\$ 9.500	\$ 9.50	5	\$ 6.500	\$ 32.50		
	3 x 5 black mat											
	4 x 6 black mat	5	\$ 9.000	\$ 45.00	3	\$ 9.000	\$ 27.00	1	\$ 9.000	\$ 9.00		
	4 x 6 logo mat				1	\$ 9.500	\$ 9.50	2	\$ 9.500	\$ 19.00		
	4 x 12 gray mat											
	3 x 5 scraper black mat	1	\$ 3.750	\$ 3.75	1	\$ 4.250	\$ 4.25	1	\$ 3.750	\$ 3.75		
	3 x 10 black mat											
	service charge			\$ 2.05			\$ 4.53			\$ 5.79		
		9			6			9				
TOTAL				\$ 70.30			\$ 54.78			\$ 70.04	\$ 195.12	
Annual Costs		26								\$ 195.12	\$ 5,073.12	
VESTIS - 4 TIMES A MONTH												
	3 x 10 black mat	3	\$ 3.000	\$ 9.00	1	\$ 3.000	\$ 3.00	5	\$ 3.000	\$ 15.00		
	3 x 5 black mat											
	4 x 6 black mat	5	\$ 3.500	\$ 17.50	3	\$ 4.500	\$ 13.50	1	\$ 3.500	\$ 3.50		
	4 x 6 logo mat				1	\$ 6.900	\$ 6.90	2	\$ 6.900	\$ 13.80		
	4 x 12 gray mat											
	3 x 5 scraper black mat	1	\$ 1.810	\$ 1.81	1	\$ 1.810	\$ 1.81	1	\$ 1.810	\$ 1.81		
	3 x 10 black mat											
	service charge			\$ 2.55			\$ 2.27			\$ 3.07		
		9			6			9				
TOTAL				\$ 30.86			\$ 27.48			\$ 37.18	\$ 95.52	
Annual Costs		52								\$ 95.52	\$ 4,967.04	

inis

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Sent: Wednesday, April 17, 2024 4:24 PM
To: Dan Gombac
Cc: Regina Kokkinis
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

On the proposal's for mats you will see double what you need, reason being is we look at the mat/mats that are on hand and also what is being laundered. However at the end of it all your still paying for just one mat because you will see on the proposal your being billed at 50%.

Hope this helps, and provides a bit of clarification.

Best Regards,

Ken Schoenberger
Account Executive
Willowbrook, Illinois
M: 708.510.4145
Schoenberger-Kenneth@aramark.com | www.vestis.com

Catalog: [digital version](#)



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From: Dan Gombac <dgombac@darienil.gov>
Sent: Wednesday, April 17, 2024 9:38 AM
To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Cc: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Ken,

The quantities need to match the spreadsheet, your quotes show more while the pricing is spot on. Pls revise the quantities to match the spreadsheet.

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Sent: Tuesday, April 16, 2024 4:19 PM
To: Regina Kokkinis <rkokkinis@darienil.gov>

Cc: Dan Gombac <dgombac@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

All proposal's for each location are attached along with each of the service type (EOW, Weekly service)

EOW proposal's

- City Hall – Every Other Weekly Charge 54.78 (27.39 – Estimated weekly)
- Public Works - Every Other Weekly Charge 70.30 (30.15 – Estimated weekly)
- Police Department – Every Other Weekly Charge 70.04 (35.02 – Estimated weekly)

Weekly rate proposal's

- City Hall – every week service 27.48
- Public Works – every week service 30.86
- Police Department – every week service 37.18

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com

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From: Regina Kokkinis <rkokkinis@darienil.gov>

Sent: Monday, April 15, 2024 10:54 AM

To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>

Cc: Dan Gombac <dgombac@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Good morning,

Please forward a proposal with the updated prices & quantities from the spreadsheet you revised

Thank you,

Regina Kokkinis

Administrative Assistant, Municipal Services
City of Darien
630-353-8105

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Follow the link and subscribing is simple!

<https://darien.il.us/reference-desk/directconnect-enevs>

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>

Sent: Thursday, April 11, 2024 9:38 PM

To: Regina Kokkinis <rkokkinis@darienil.gov>

Cc: Dan Gombac <dgombac@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

Here you guys go, I think I have everything on here. I put both sets of proposals the EOW and the weekly service proposal for each of the locations.

For the weekly service option we can do the 4 free weeks of service, 382ish in savings that is not in the annual cost on the spreadsheet.

I will be off tomorrow, I had volunteered to be a chaperone on field trip with my daughter at Concord so I will be at the field museum tomorrow. If you need anything else just email me and I will get to the email when I get back home here.

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com

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From: Regina Kokkinis <rkokkinis@darienil.gov>

Sent: Thursday, April 11, 2024 12:12 PM

To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>

Cc: Dan Gombac <dgombac@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Ken,

My apologies, I noticed the heading was not on this spreadsheet, please use this one instead.

Thank you,

Regina Kokkinis

Administrative Assistant, Municipal Services
City of Darien
630-353-8105

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Follow the link and subscribing is simple!
<https://darien.il.us/reference-desk/directconnect-enews>

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Sent: Thursday, April 11, 2024 10:36 AM
To: Regina Kokkinis <rkokkinis@darienil.gov>
Cc: Dan Gombac <dgombac@darienil.gov>
Subject: Re: Vestis Uniforms and Workplace Supplies - City of Darien

Ok. I'll work on that.

Get [Outlook for iOS](#)

From: Regina Kokkinis <rkokkinis@darienil.gov>
Sent: Thursday, April 11, 2024 10:11:09 AM
To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Cc: Dan Gombac <dgombac@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Good morning,

Thank you for the revised pricing.
Dan asked that you insert pricing on the attached spreadsheet.

Thank you,

Regina Kokkinis

Administrative Assistant, Municipal Services
City of Darien
630-353-8105

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Follow the link and subscribing is simple!
<https://darien.il.us/reference-desk/directconnect-enews>

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Sent: Tuesday, April 9, 2024 9:34 PM
To: Dan Gombac <dgombac@darienil.gov>
Cc: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

Ok I finalized the EOW (every other week) service. It breaks down below...

Police Department

- 70.04/EOW

City Hall

- 54.78/EOW

Public Works

- 70.30/EOW

Annually your looking at 5073.12

The weekly service is below

Police Department

- 37.18/week

City Hall

- 27.48/week

Public Works

- 30.86/week

Annually you will be looking at 4967.04

In addition there would be 4 free weeks of service (382.08).

First year technically you would be at 4584.96 (4967.04 - 382.08)

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com

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From: Schoenberger, Kenneth

Sent: Tuesday, April 9, 2024 3:41 PM

To: Dan Gombac <dgombac@darienil.gov>

Cc: Regina Kokkinis <rkokkinis@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

Yes, I'm still working on it. I should have it to you by later tonight or tomorrow morning.

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com

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From: Dan Gombac <dgombac@darienil.gov>
Sent: Tuesday, April 9, 2024 3:29 PM
To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Cc: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Ken,

Just wanted to reach out regarding the additional quote for changeout of mats bi-monthly. Need by tomorrow 10am.

Thanks,

Daniel Gombac

Director of Municipal Services

630-353-8106 Mobile 630-514-2519

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Sent: Monday, April 1, 2024 12:02 PM
To: Dan Gombac <dgombac@darienil.gov>
Cc: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

Good afternoon Dan, those numbers are correct and this will be a three year agreement.

Best Regards,

Ken Schoenberger

Account Executive
Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com

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From: Dan Gombac <dgombac@darienil.gov>
Sent: Monday, April 1, 2024 10:37 AM
To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Cc: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Kenneth,

Pls see below to confirm we are in agreement with \$4,967.53 annually and could this be a three year term?

VESTIS - 4 TIMES A MONTH								
1x 10block wr:	1	\$ 29.00	\$ 29.00	2	\$ 29.00	\$ 58.00	10	\$ 99
2x 9block wr:	1	\$ 1.92	\$ 1.92	1	\$ 1.92	\$ 1.92	1	\$ 1
4x 6block wr:	10	\$ 29.00	\$ 290.00	4	\$ 29.00	\$ 116.00	2	\$ 2
4x 6 lace rami				2	\$ 2.90	\$ 5.80	4	\$ 2
4x 12block wr:								
2x 9superblock wr:								
1x 10block wr:								
6x legwear								
insoles minimum								
minimum bill = 1 percentage (if multiple locations)								
TOTAL			\$ 47.81			\$ 20.80		
Annual Costs	52							
Discounting	21.71%							
Monthly Cost	52							

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>
Sent: Tuesday, March 26, 2024 4:28 PM
To: Dan Gombac <dgombac@darienil.gov>
Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

Good afternoon Dan, I was able to get the weekly charge down to 95.52 between the three locations. That would be under the 5k mark for the year.

We have also been given approval to offer you 4 free weeks of service if we can have this signed off on before the end of the month this Friday.

Let me know if this is something you want to get going and I can stop by to get the signature from you and we can get this going.

Looking forward to hearing from you

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com

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From: Schoenberger, Kenneth

Sent: Monday, March 25, 2024 12:36 PM

To: Dan Gombac <dgombac@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

Good afternoon Dan, I just wanted to reach out to you as far as your request to try to get this under 5k for the year. I can get this proposal to that with all three locations. I just need another day here to get this proposal and the agreement tweaked a bit and I will send over the proposal and paperwork go get this going for you.

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com



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From: Dorothy Hathaway <DHathaway@darienil.gov>

Sent: Wednesday, March 20, 2024 4:07 PM

To: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>

Cc: Dan Gombac <dgombac@darienil.gov>

Subject: RE: Vestis Uniforms and Workplace Supplies - City of Darien

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Hi Ken,

Please explain the proposal, Is this the minimum of mats we would need to receive this price? I don't know where you are getting the quantity from? We do not utilize this many mats.

Proposal states that the price is a weekly rate,
I explained we are serviced twice a month, not every week?

Also the First Aid supplies /service, it says 14.99 per item, is that the service itself weekly? No extra charges for items replenished?...or \$14.99 for each item replenished. Please advise

Thank you!

From: Schoenberger, Kenneth <schoenberger-kenneth@aramark.com>

Sent: Tuesday, March 19, 2024 3:45 PM

To: Dorothy Hathaway <DHathaway@darienil.gov>

Subject: Vestis Uniforms and Workplace Supplies - City of Darien

Good afternoon Dorothy and thank you for allowing me to put together a proposal for your facilities. I have the 3 proposals attached here on this email.

Total for all three basically comes to 123. That is including all the mats and First Aid at each location.

Industry standard on Contract length is usually 5 years, I can do 3 years here.

I can also throw in 2 free weeks of service at each location if that helps.

Let me know what you think of this when you have a few minutes.

Best Regards,

Ken Schoenberger

Account Executive

Willowbrook, Illinois

M: 708.510.4145

Schoenberger-Kenneth@aramark.com | www.vestis.com



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RESOLUTION NO. _____

A RESOLUTION ACCEPTING A 3-YEAR CONTRACT FROM VESTIS UNIFORM & WORKPLACE SUPPLIES FOR THE LEASING OF FLOOR MATS INCLUDING THE DELIVERY AND CLEANING OF IN AN AMOUNT NOT TO EXCEED \$4,967.04 EACH YEAR

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien hereby accepts a 3-year contract from Vestis Uniform & Workplace Supplies for the leasing of floor mats including the delivery and cleaning of in an amount not to exceed \$4,967.04 each year, a copy of which is attached hereto as "**Exhibit A**".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May, 2024.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 6th day of May, 2024.

JOSEPH MARCHESE, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM

CITY ATTORNEY



Service Proposal

Public Works

City of Darien

Prepared by:

Kenneth Schoenberger

Account Executive

7085104145

schoenberger-kenneth@aramark.com

March 26, 2024*

Vestis™ | vestis.com | 866-837-8471



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3/26/2024*

City of Darien
 1702 Plainfield Rd
 Darien, IL 60561
 (630) 852-5000

FACILITY SERVICES ORDERED:

MERCHANDISE	QUANTITY	MINIMUM BILLED PERCENTAGE	RATE (PER ITEM)	FREQUENCY	EASycARE® RATE (per item)
Mat, SteadyStep, 3x10-Black	6	50%	\$3.000	Weekly	Not Incl.
Mat, SteadyStep, 4x6-Black	10	50%	\$3.500	Weekly	Not Incl.
Mat, Scraper, 3x5-Black	1	100%	\$1.810	Weekly	Not Incl.

ESTIMATED WEEKLY PRICING SUMMARY

Estimated Base Weekly Invoice Total	\$30.86
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Presented by:
Kenneth Schoenberger
 Account Executive
 7085104145
 schoenberger-kenneth@aramark.com

Thank you for considering Vestis™

We are committed to delivering uniforms and workplace supplies that empower people to do good work and good things for others while at work. We appreciate the opportunity to provide you with solutions to help you get your job done.

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*Proposal good through 04-09-2024

Service Proposal

City Hall

City of Darien

Prepared by:

Kenneth Schoenberger

Account Executive

7085104145

schoenberger-kenneth@aramark.com

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City of Darien
 1702 Plainfield Rd
 Darien, IL 60561
 (630) 852-5000

FACILITY SERVICES ORDERED:

MERCHANDISE	QUANTITY	MINIMUM BILLED PERCENTAGE	RATE (PER ITEM)	FREQUENCY	EASYCARE® RATE (per item)
Mat, Logo, 4x6-Horizontal Logo	2	50%	\$6.900	Weekly	Not Incl.
Mat, SteadyStep, 4x6-Black	6	50%	\$4.500	Weekly	Not Incl.
Mat, SteadyStep, 3x10-Black	2	50%	\$3.000	Weekly	Not Incl.
Mat, Scraper, 3x5-Black	1	100%	\$1.810	Weekly	Not Incl.

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*Proposal good through 04-09-2024

ESTIMATED WEEKLY PRICING SUMMARY	
Estimated Base Weekly Invoice Total	\$27.48

Presented by:

Kenneth Schoenberger

Account Executive

7085104145

schoenberger-kenneth@aramark.com

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*Proposal good through 04-09-2024



Service Proposal

Police Dept

City of Darien

Prepared by:

Kenneth Schoenberger

Account Executive

7085104145

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March 26, 2024*

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City of Darien
 1702 Plainfield Rd
 Darien, IL 60561
 (630) 852-5000

FACILITY SERVICES ORDERED:

MERCHANDISE	QUANTITY	MINIMUM BILLED PERCENTAGE	RATE (PER ITEM)	FREQUENCY	EASYCARE® RATE (per item)
Mat, Scraper, 3x5-Black	1	100%	\$1.810	Weekly	Not Incl.
Mat, SteadyStep, 3x10-Black	10	50%	\$3.000	Weekly	Not Incl.
Mat, SteadyStep, 4x6-Black	2	50%	\$3.500	Weekly	Not Incl.
Mat, Logo, 4x6-Vertical Logo	4	50%	\$6.900	Weekly	Not Incl.

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*Proposal good through 04-09-2024

ESTIMATED WEEKLY PRICING SUMMARY	
Estimated Base Weekly Invoice Total	\$37.18

Presented by:
Kenneth Schoenberger
Account Executive
7085104145
schoenberger-kenneth@aramark.com

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*Proposal good through 04-09-2024

MINUTES
CITY OF DARIEN
MUNICIPAL SERVICES COMMITTEE

March 25, 2024

PRESENT: Alderman Thomas Belczak – Chairman, Alderman Ted Schauer, Alderman Ralph Stompanato

ABSENT: None

OTHERS: Mr. Dan Gombac – Director

Establish Quorum

Chairperson Thomas Belczak called the meeting to order at 6:00 p.m. at the City of Darien City Hall, 1702 Plainfield Road, Darien, Illinois. Chairperson Belczak declared a quorum present.

New Business

- a. **Resolution – Accepting a proposal from Sprinklers, Inc., for the spring startup and winter shutdown maintenance and backflow prevention testing of City owned irrigation systems and potable water backflow preventers as per the schedule of unit prices.**

Mr. Dan Gombac, Director reported that this proposal would be to keep irrigation water out of the main system, as mandated by the Environmental Protection Agency (EPA). He stated this program would streamline all backflow prevention services under one vendor. Mr. Gombac reported that the total cost would be \$8,330 with added contingency and the contract would go through 2025.

There was no one in the audience wishing to present public comment.

Alderman Stompanato made a motion, and it was seconded by Alderman Schauer approval of a Resolution accepting a proposal from Sprinklers, Inc., for the spring startup and winter shutdown maintenance and backflow prevention testing of City owned irrigation systems and potable water backflow preventers as per the schedule of unit prices.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

- b. **Resolution – Authorizing the Mayor to execute a contract extension with LRS CleanSweep for the City of Darien’s 2024 street sweeping program not to exceed \$46,793.00.**

Mr. Dan Gombac, Director reported that the contract with LRS CleanSweep would be extended based on the positive performance from the previous fall. He reported that the program would include 3 rounds of service to take place in May, September and November. Mr. Gombac further reported that any additional service may be added at any time in case of unforeseen circumstances.

There was no one in the audience wishing to present public comment.

Alderman Schauer made a motion, and it was seconded by Alderman Stompanato approval of a Resolution authorizing the Mayor to execute a contract extension with LRS CleanSweep for the City of Darien's 2024 street sweeping program not to exceed \$46,793.00.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

c. Ordinance – Authorizing the disposal of surplus property.

Mr. Dan Gombac, Director reported that the main purpose of the disposal would be to preserve space and preserve documents and would also allow for more storage in the Public Works facility.

There was no one in the audience wishing to present public comment.

Alderman Stompanato made a motion, and it was seconded by Alderman Schauer approval of an Ordinance authorizing the disposal of surplus property.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

d. Resolution – Authorizing the Mayor to execute a contract extension with SKC Construction, Inc. in an amount not to exceed \$117,000 for the 2024 Crack Fill Program.

e. Motion – Authorizing a contingency in the amount of \$3,000 for unforeseen work that may be required for the Crack Fill Program.

Mr. Dan Gombac, Director reported that the 2024 Crack Fill Program would consist of 3-4 intervals, depending on the road and would increase the longevity of each road. He reported that the program would involve removing cracks from the road by blowing out any air or sediment then filling in with tar. He further reported that there would be more use of fiber asphalt during this program, which would be less labor intensive and less costly.

There was no one in the audience wishing to present public comment.

Alderman Schauer made a motion, seconded by Alderman Stompanato approval of a Resolution authorizing the Mayor to execute a contract extension with SKC Construction, Inc. in an amount not to exceed \$117,000 for the 2024 Crack Fill Program and approval of a Motion authorizing a contingency in the amount of \$3,000 for unforeseen work that may be required for the Crack Fill Program.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

- f. Resolution – Accepting a proposal from Steve Piper and Sons, Inc., for Tub Grinding Services in an amount not to exceed \$6,500.00.**

Mr. Dan Gombac, Director reported that the City would provide wood chips to residents at a discounted cost. He further reported that the wood chips used on major roadways and intersections would not be treated.

There was no one from the audience wishing to present public comment.

Alderman Stompanato made a motion, and it was seconded by Alderman Schauer approval of a Resolution accepting a proposal from Steve Piper and Sons, Inc., for Tub Grinding Services in an amount not to exceed \$6,500.00.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

- g. Resolution – Illinois Department of Transportation authorizing the expenditure of Motor Fuel Tax Funds.**

Mr. Dan Gombac, Director reported that the annual MFT program would provide about \$300,000 in funds to be put toward the upcoming road programs. He reported that the Illinois Department of Transportation would provide these funds to various local municipalities. Mr. Gombac further reported that I.D.O.T. standards would allow the City to go 3-7% over the contract price.

There was no one in the audience wishing to present public comment.

Alderman Stompanato made a motion, and it was seconded by Alderman Schauer approval of a Resolution of Illinois Department of Transportation authorizing the expenditure of Motor Fuel Tax Funds.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

- h. Resolution – Authorizing the Mayor to adopt the 2023 DuPage County Multi-Jurisdictional Natural Hazard Mitigation Plan.**

Mr. Dan Gombac, Director reported that the 2023 program would be provided by FEMA and would result in providing DuPage county better funding in the case of natural disasters and would include multiple municipalities. He reported that in the case of a natural disaster, FEMA would assess the situation and determine if the criteria were met to receive funds.

There was no one in the audience wishing to present public comment.

Alderman Schauer made a motion, and it was seconded by Alderman Stompanato approval of a Resolution authorizing the Mayor to adopt the 2023 DuPage County Multi-Jurisdictional Natural Hazard Mitigation Plan.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

i. Minutes – February 26, 2024 Municipal Services Committee

There was no one in the audience wishing to present public comment.

Alderman Stompanato made a motion, and it was seconded by Alderman Schauer approval of the February 26, 2024, Municipal Services Committee Meeting Minutes.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 3-0.

Director’s Report

Mr. Dan Gombac, Director reported that the sign on the corner of Cass Avenue and Plainfield Road is in the final stages of being completed and that he is awaiting a traffic report. He reported that the water feature and plantings would be installed by May 1. He further reported that there would be an opportunity to lease the sign to Darien businesses for advertising purposes and the proposed annual revenue from advertising would be \$30,000.

Mr. Gombac further reported the completion of tree trimmings services through Yellowstone and that the contract would continue into next year.

Next Scheduled Meeting

Chairperson Tom Belczak announced that the next meeting is scheduled for Monday, April 22, 2024.

ADJOURNMENT

With no further business before the Committee, Alderman Schauer made a motion, and it was seconded by Alderman Stompanato to adjourn. Upon voice vote, the MOTION CARRIED UNANIMOUSLY, and the meeting adjourned at 7:01 p.m.

RESPECTFULLY SUBMITTED:

X

Thomas Belczak
Chairman

X

Ted Schauer
Alderman

X

Ralph Stompanato
Alderman