

Agreement For Phase I Engineering Agreement Type Original

Using Federal Funds? Yes No

LOCAL PUBLIC AGENCY

Local Public Agency		County	Section Number	Job Number
Lake County Division of Transportation		Lake	22-00116-09-WR	
Project Number	Contact Name	Phone Number	Email	
	Julian Rozwadowski	(847) 377-7506	JRozwadowski@lakecountyil.gov	

SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
Rollins Road	CH A20	1.8mi	
Location Termini			Add Location
Grand Avenue (western limits) to Washington Avenue (eastern limits)			Remove Location

Project Description

The proposed improvements involve roadway widening, channelization, and potential signal/railroad crossing improvements and sidewalk accommodations. This project will involve Phase I elements (ie: geometric studies, stakeholder coordination, and public involvement).

Engineering Funding	<input type="checkbox"/> MFT/TBP	<input type="checkbox"/> State	<input checked="" type="checkbox"/> Other	RTA 1/4% Sales Tax
Anticipated Construction Funding	<input type="checkbox"/> Federal	<input type="checkbox"/> MFT/TBP	<input type="checkbox"/> State	<input checked="" type="checkbox"/> Other
				RTA 1/4% Sales Tax

AGREEMENT FOR

Phase I - Preliminary Engineering Phase II - Design Engineering

CONSULTANT

Prime Consultant (Firm) Name	Contact Name	Phone Number	Email	
V3 Companies	Kurt Corrigan, P.E.	(847) 417-0072	kcorrigan@v3co.com	
Address	City	State	Zip Code	
7325 Janes Avenue	Woodridge	IL	60517	

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Since the services contemplated under the AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT
In Responsible Charge Contractor	A full time LPA employee authorized to administer inherently governmental PROJECT activities Company or Companies to which the construction contract was awarded

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof this AGREEMENT:

- EXHIBIT A: Scope of Services
- EXHIBIT B: Project Schedule

- EXHIBIT C: Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)
- EXHIBIT C : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- Exhibit D: Subconsultants Scope and Fee _____
- Exhibit E: Disclosure Statements, Insurance, etc. _____
- _____

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
9. For Preliminary Engineering Contracts:
 - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
 - (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.
 - (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
10. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES,

1. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the Professional Services Selection Act (50 ILCS 510) (Exhibit C).
2. To furnish the ENGINEER all presently available survey data, plans, specifications, and project information.
3. To pay the ENGINEER:
 - (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
 - (b) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and DEPARTMENT a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER

shall be due and payable to the ENGINEER.

(c) For Non-Federal County Projects - (605 ILCS 5/5-409)

- (1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.
- (2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and STATE, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation:

- Percent
- Lump Sum
- Specific Rate
- Cost plus Fixed Fee:

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,

DC is the total Direct Cost,

OH is the firm's overhead rate applied to their DL and

FF is the Fixed Fee.

Where FF = (0.33 + R) DL + %SubDL, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

5. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

III. IT IS MUTUALLY AGREED,

1. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
2. That the ENGINEER shall be responsible for any all damages to property or persons out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA, the DEPARTMENT, and their officers, agents and employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.
3. This AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials becomes the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

4. In the event that the DEPARTMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.
5. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.
6. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
7. The ENGINEER and LPA certify that their respective firm or agency:
 - (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
 - (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
 - (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
 - (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph and
 - (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.

Where the ENGINEER or LPA is unable to certify to any of the above statements in this clarification, an explanation shall be attached to this AGREEMENT.

8. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of the AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes included but are not limited to: acts of God or a public enemy; acts of the LPA, DEPARTMENT, or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

9. This certification is required by the Drug Free Workplace Act (30 ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the DEPARTMENT unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT for at least one (1) year but not more than (5) years.

For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or an entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of \$5,000 or more from the DEPARTMENT, as defined the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (a) abide by the terms of the statement; and
 - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
 - (1) The dangers of drug abuse in the workplace;

- (2) The grantee's or contractor's policy to maintain a drug free workplace;
- (3) Any available drug counseling, rehabilitation and employee assistance program; and
- (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above from an employee or otherwise, receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER, LPA and the Department agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future projects. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

- 10. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).
- 11. For Preliminary Engineering Contracts:
 - (a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request to the LPA or to the DEPARTMENT, without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.
 - (b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

AGREEMENT SUMMARY

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
V3 Companies	36-3252440	\$905,157.00
Subconsultants		
TSC	35-0937582	\$51,000.00
SAM	74-2704974	\$75,000.00
Subconsultant Total		\$126,000.00
Prime Consultant Total		\$905,157.00
Total for all work		\$1,031,157.00

AGREEMENT SIGNATURES

Executed by the LPA:

Local Public Agency Type Local Public Agency

Attest: The of

By (Signature & Date)

By (Signature & Date)

Local Public Agency Local Public Agency Type
 Clerk

Title

(SEAL)

Executed by the ENGINEER:

Prime Consultant (Firm) Name

Attest:

By (Signature & Date)

Title

By (Signature & Date)

Title

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	V3 Companies	Lake	22-00116-09-WR

**EXHIBIT A
SCOPE OF SERVICES**

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below

SEE ATTACHED.

Scope of Work
Attachment 1 - Survey Limits
Attachment 2 - Anticipated Title Commitments

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

Exhibit A

Scope of Work

Rollins Road – Grand Avenue to Washington Avenue Phase I Engineering Services

Lake County Division of Transportation Section No. 22-00116-09-WR

PROJECT DESCRIPTION

Phase I elements in accordance with the Illinois Department of Transportation's (IDOT) Bureau of Local Roads & Streets Policies & Procedures, for roadway improvements on Rollins Road between Grand Avenue and Washington Avenue within the Village of Fox Lake, Lake County, IL. The proposed improvement will improve the safety, operations and drainage throughout the corridor.

Phase I scope of work will include crash and safety analysis; determination of safety countermeasures such as improving sight lines, sight distance, and geometrics; field survey; wetland delineation; soils investigation; environmental assessments (PESA); alternatives analysis for a 3-lane cross section with non-motorized elements; and public outreach activities.

1.1. TOPOGRAPHIC SURVEY

The survey shall extend from Grand Avenue being the northwest end of the project running east to Washington Avenue being the southeastern end of the project (approximately 8,800 linear feet of Rollins Road). The survey limits shall also include approximately 500 feet of each sideroad on either side of Rollins Road, containing an additional 7,500 linear feet – totaling approximately 16,800 linear feet. The survey limits includes the full right-of-way plus 50 feet on either side. See also the Survey Limits depicted on Exhibit A - Attachment 1.

The Topographic Survey services will include the following as outlined in the Lake County Division of Transportation Design Survey Procedures:

- a. Record a minimum of two (2) permanent benchmarks over the project site. Elevations shall be referenced to the North American Datum of 1988 (NAVD 88). Site benchmarks shall be established at less than 1000-foot intervals. Description of the source benchmark to which the new benchmarks are tied shall be indicated on the survey.
- b. A contour survey with 1'-0" contour intervals shall be prepared from field spot elevations. Spot elevations obtained in the field shall be of sufficient quantity to generate a contour survey which properly represents the ground surface. Additional elevations shall be indicated on the survey as required to establish accurate profiles (including all changes or

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

- breaks in grade) and cross-sections of walks, curbs, gutter, pavement edges, and centerlines.
- c. Finished floor or top of foundation elevation(s) of existing buildings within the Survey Area.
 - d. Spot elevations shall be shown to the nearest 0.01 foot on all “hard surfaces” and utility structures. Spot elevations in unpaved areas such as grass and dirt shall be accurate to the nearest 0.1 foot.
 - e. Cross-sections along all roadways shall be taken on 50-foot intervals and 25-foot intervals at super-elevated sections of roadway. Full cross-sections shall be taken at all cross streets, alleys, culverts and entrances. Grid intervals/profiles of 50 feet shall be taken in all fields for offsite hydraulic work (drainage ditches, streams, etc.). Additional shots shall be taken at all sudden grade break lines.
 - f. Pavement types such as concrete, asphaltic concrete, gravel, etc. shall be indicated.
 - g. Existing improvements, buildings, and surface features shall be located.
 - h. All trees (6 inches in diameter and greater) within the Survey Area shall be located. The trees shall be identified by species and size.
 - i. General outlines of landscaping shrubs and bushes shall be shown.
 - j. Mean elevations of water in retention ponds, lakes, or streams will be shown as depicted at the time the survey field work was conducted. A bathymetric (bottom-of-pond survey) is not included in this scope of services.
 - k. Culvert Crossings: Obtain topographic survey at all culvert crossings within the project limits – type, size, inverts, and general terrain in the vicinity of each end section.
 - l. Top of curb, flow line, and edge of pavement, ADA, sidewalk, bike path, etc. elevations of all roadways and streets within the survey area obtained by non-GPS methods.
 - m. Roadway striping of all roadways and streets within the survey area.
 - n. Right-of-way and property lines shall be calculated from existing monumentation in coordination with record maps, plats and deeds.
 - o. The topographic survey shall incorporate information on existing utility systems adjoining or contained within the survey area which are obtained from Village departments or utility companies responding to written or verbal requests for utility records through the Joint Utility Locating Information for Excavators (J.U.L.I.E.) Design Stage/Planning Information process and available for the surveyors use at the time of the survey. Records or Atlas information that is provided to V3 after completion of the survey can be provided to the CLIENT or engineer.
 - p. Utilities and improvements shall be shown based on visible field verified structures, in coordination with atlas information provided by utility companies through J.U.L.I.E.’s design stage process, if available.
 - q. V3’s subconsultant, SAM, will provide subsurface utility engineering as identified in their scope and referenced under Item 1.14.

All survey data shall be collected in Illinois State Plane Coordinates – East Zone.

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

1.2. RIGHT-OF-WAY VERIFICATION

In addition to the topographic survey, V3 will build right-of-way limits based on the documents provided by the Village of Fox Lake, LCDOT, and/or Metra. V3 will verify the actual right-of-way and easements for approximately 100 parcels along the corridor through title commitment research. Each report and title commitment research will cost approximately \$600 per parcel.

1.3. DATA COLLECTION, REVIEW, & MOSAICS

Pertinent information for the project will be obtained from the LCDOT. This information will include:

- Any available aerial photography;
- Any available contour mapping;
- Any available as-built plans;
- Any available plats, legals, title commitments from properties along the corridor;
- Any available traffic counts;
- Any available accident records for the last 5 years;
- Any available plans for new developments
- Any available improvement plans from past projects and/or prior studies related to Rollins Road
- Any available utility maps for water, sewer, sanitary, street lighting, and traffic signals;
- LCDOT design details, guidelines, and specifications.

General background data such as FIRM mapping, NWI maps, USGS atlases, soil maps and other information pertinent to the project will also be collected and reviewed.

Field Visits

In order to gain a thorough understanding of the project, the design team will conduct up to three (3) field visits (two V3 team members) to verify and evaluate existing field conditions, and ultimately, in preparation for the preferred alternative to be carried into Phase II. The field visits include:

- a. Verification of existing conditions and utilities
- b. Existing sign inventory
- c. Verification of preferred alternative & ADA ramp compliance

Mosaics

V3 will provide Aerial photographs for the project area from Nearmap database which was flown in 2023. The County to supplement with aerial photography if this proves to be of insufficient resolution.

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

Subconsultant for Geotechnical Services

Testing Service Corporation (TSC), will perform 35 soil borings and 10 pavement cores and provide geotechnical studies to determine the suitability of the soils for the construction and provide samples of material for CCDD material disposal. Undercut recommendations and pavement evaluation will be included and coordinated with TSC. A pavement design will be provided for the widening sections of Rollins Road as well as any section to be rebuilt. The detailed scope of the boring, coring and testing to be performed are included under Attachment D.

1.4. ENVIRONMENTAL DUE DILIGENCE

V3 will prepare and conduct the Environmental Due Diligence for the project due to the anticipated funding type (non-MFT) for the project. V3 will perform the necessary coordination with the involved environmental and cultural agencies and provide the appropriate results to obtain an inventory of the affected environment and identify any potential issues that the project may need to address as part of the required environmental studies.

V3's environmental group will conduct the local PESA for the entirety of the project limits to capture the special waste clearances. Refer to Section 1.10 Special Waste Assessments.

Threatened & Endangered Species Consultation

The USACE Chicago District and Lake County Watershed Development Ordinance (WDO) require threatened & endangered species consultation with the Illinois Department of Natural Resources (IDNR) and the U.S. Fish & Wildlife Service. V3 will complete the following tasks as part of this phase:

- a. V3 will prepare and submit the required IDNR EcoCAT consultation for State threatened & endangered species for the proposed project area. This consultation will be included in the USACE permit submittal.
- b. V3 will prepare the required U.S. Fish & Wildlife Services (USFWS) Section 7 consultation for Federal threatened & endangered species through IPaC. This consultation will be included in the USACE permit submittal (if applicable).
- c. V3 will prepare and submit the Cultural Resources consultation review forms to SHPO.
- d. Should SHPO request a Phase I Archaeology investigation, V3 will subcontract that service with Ms. Cindy Balek owner of Archaeology and Geomorphology Services, Inc., a WBE firm. Not included in the scope.

Bat Habitat Assessment

During the wetland delineation field work, and during the tree assessment, V3's Certified Arborist will review the project corridor for the presence of bat habitat. This is required based on the current DOT and USACE permitting processes. V3 will review the corridor and document the presence, or lack of, bat habitat within the project corridor. This includes visually looking at the trees within the corridor that are three inches to 5 inches in diameter breast height (DBH). Bat habitat trees that are 3" to 5" DBH will be identified, assessed and survey located. Separately,

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

during the formal tree survey of trees 6" and above DBH, bat habitat for trees 6" and above DBH will be identified, tagged, and assessed. The DOT requirement of 3" trees being assessed for bat habitat does not require that all trees 3" and above be survey located or assessed; only those trees that meet the criteria for bat habitat. V3 will prepare the IDOT bat habitat assessment forms and will coordinate with the USFWS regarding bats, bat habitat, and consultation measure and restrictions from a tree removal perspective.

1.5. TRAFFIC & CRASH ANALYSIS EVALUATION

Existing Traffic Analysis

In order to obtain a thorough understanding of both the motorized and non-motorized travel patterns within the project limits, V3 recommends two (2) manual counts be performed over a 14-hour period – one during the peak summer months (early August or before Labor Day) and one during an off-peak period (between October – November).

V3 will review manual counts performed over a 14-hour period for both motorized and non-motorized travel at the following intersections:

- a. Rollins Road and Grand Avenue
- b. Rollins Road at Sayton Road
- c. Rollins Road at Devlin Road
- d. Rollins Road at Jefferson Avenue
- e. Rollins Road at Washington Avenue

Pedestrian and turning counts can be performed at each of the side streets within the project limits to identify other crossing hot-spots.

Future Traffic Analysis

Based on the LCDOT Scoping Report, it is our understanding that this project is anticipated to follow 3R Criteria; therefore, the design year of traffic will be the anticipated year of construction. However, year 2050 ADTs can be obtained from CMAP. Traffic can be projected to the year 2050 and analyzed to determine number and type of auxiliary lanes and storage lengths. It is anticipated that no significant geometric modifications will be required at the intersections of Rollins Road at Grand Avenue and Rollins Road at Washington Avenue.

Existing/Future Traffic Exhibits will be prepared to summarize the review of traffic data.

Crash Analysis & Safety Countermeasures

Crash reports will be reviewed and tabulated based on the most recent five years available along Rollins Road. A crash and roadside safety analysis will be performed to identify high crash locations and determine safety countermeasures (such as improving sight lines, sight distance, geometrics, etc.).

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

A technical memorandum will be prepared summarizing the crash and safety countermeasures. A table summarizing the corridor-wide crash data and crash exhibit will be included as part of the technical memorandum and included in the Project Development Report.

Crash Diagram maps at the following critical locations will be created to facilitate discussions with the local agencies and will be included in the Project Development Report:

- a. Rollins Road and Grand Avenue
- b. Rollins Road at Sayton Road
- c. Rollins Road at Devlin Road
- d. Rollins Road at Jefferson Avenue
- e. Rollins Road at Washington Avenue

Traffic Signal Warrant Analysis

With the proximity of the rail crossing at Sayton Road, we will provide a traffic signal warrant analysis per the latest version of the MUTCD. In addition, a traffic signal warrant will be prepared for the intersection of Devlin Road depending on the identified intersection improvements.

1.6. INTERSECTION DESIGN STUDY (IDS)

It is anticipated that an IDS will be required at the following intersections:

- a. Rollins Road and Grand Avenue
- b. Rollins Road at Sayton Road (if necessary)
- c. Rollins Road at Washington Avenue

Signal timing and turn lane storage lengths may need to be adjusted depending on the affects the pedestrian signals and crosswalk locations have on the intersection operations. An IDS will be prepared upon the selection of the preferred alternative.

1.7. GEOMETRIC DESIGN STUDIES

Conceptual Roadway Design Evaluations

Geometric design studies will be performed using 3D modeling in Open Roads Designer software (utilizing the IDOT workspace) to develop conceptual roadway designs. Roadway geometrics will be studied to minimize impacts to right-of-way, access patterns, utilities, side roads, and driveways while meeting LCDOT and IDOT design requirements. Upon an evaluation of the existing conditions, the following roadway design elements will be studied:

- a. Typical Sections
- b. Horizontal Geometrics (including alignment studies)
- c. Vertical Geometrics
- d. Preliminary ADA grading to identify ROW impacts

Horizontal Geometrics include evaluating a three-lane urban section throughout the entire corridor. A carriage walk/sidewalk will be evaluated on the north side of Rollins Road for the

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

length of the project limits. The intent of this evaluation will be to provide residents along the north side of Rollins Road access to the path along the south side via sidewalk connections at existing or proposed signalized intersections. Geometrics will also include evaluation of the widening effects on each of the side streets. Additionally, hours include evaluation of bike path continuity from Chain O' Lakes regional path to the Grand Avenue intersection by eliminating the Rollins Road southbound through lane while maintaining on street parking.

Profile adjustments are anticipated in areas where the topography is conducive to closing the storm sewer or improving driveway and sideroad slopes. Although the intent is to generally maintain the existing profile for the widening and resurfacing, we will evaluate the overall vertical profile of the road to meet design standards. This will include crown/cross slope corrections. A new profile will be developed as part of this task.

Cross sections will be cut every 50 feet, at culvert crossings, side streets, and at driveways to further evaluate critical roadway design elements and ROW impacts.

Meeting Exhibit Preparations

Under the conceptual design stage, V3 will prepare conceptual ROW impacts corresponding to the 3D modeling studies identified above:

- Existing & Proposed Typical Section Exhibits
- Plan & Profile Exhibits (20-scale)
- Roll-plots (100-scale)

These exhibits will be used for meetings with the County, Village, IDOT (in regards to the IL Route 59 bridge structure), and other local stakeholders to discuss the different alternatives and their associated impacts.

Evaluation Memorandum

V3 will submit a memorandum summarizing the geometric studies in conjunction with the traffic analysis for LCDOT's review and approval prior to preparing a Project Development Report (PDR). V3 will provide a recommended preferred alternative for the County's review and concurrence.

1.8. WETLAND DELINEATION & PRE-JURISDICTIONAL DETERMINATION

Field Work

V3's Lake County Certified Wetland Specialists will conduct a field investigation during the 2023 Lake County growing season (May 15-October 1) to locate and delineate wetlands in accordance with the Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Midwest Region. The limits of any delineated wetlands/Waters of the U.S. will be staked in the field, and approximate boundaries will be mapped on a recent large-scale aerial photograph, based on our field assessment of the vegetation, soils and hydrology at the site. The limits of any on-site

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

wetland/Waters of the U.S. will be located using survey grade equipment during the field investigation portion of the wetland delineation.

Wetland Assessment

Since wetlands/Waters of the U.S. are present within the project corridor, wetland assessment is required by the U.S. Army Corps of Engineers, Chicago District (USACE) and Lake County SMC. Wetland assessment involves an evaluation of wetland characteristics, including wildlife habitat quality, water quality functions, and plant community quality. Wetland Assessment also includes a preliminary jurisdictional determination for isolated or adjacent wetland. Delineated wetlands will be rated as High-Quality Aquatic Resources (HQAR's) in accordance with the USACE and Lake County SMC, if applicable.

Wetland Delineation Technical Report

A wetland report will be provided with the results of our field investigation, including the location and approximate size of wetlands/Waters of the U.S. present, a wetland quality evaluation, a Floristic Quality Assessment (FQA), and the wetland assessment. Floristic inventories and detailed soil classification data for each area investigated will be provided in the report. Areas determined to be wetland within the project corridor will be shown on a recent, large-scale aerial photo exhibit. USACE and Lake County SMC/Village of Fox Lake wetland permitting and/or mitigation requirements will be addressed in the report. The wetland report also will contain detailed technical documentation suitable for review and approval by the USACE, Lake County SMC, and the Village of Fox Lake.

USACE/Lake County SMC Preliminary Jurisdictional Determination Submittal

Upon completion of the wetland delineation field work and draft technical report, V3 will prepare and submit all the required documents to Lake County SMC to facilitate the preliminary jurisdictional determination process for any wetlands/Waters identified within the project corridor (or within 100 feet of the project corridor). This process includes V3 meeting the USACE and Lake County SMC wetland specialists at the site, reviewing the data collected from V3's Lake County Certified wetland specialists, and reviewing and gaining approval of the wetland flags placed on the site.

Wetland Project Meetings/Coordination

V3's wetland specialists are available for meetings with the CLIENT, USACE, Lake County SMC, Village of Fox Lake, project contractors, and/or other agency personnel, as required. This task includes one pre-application meeting with the USACE and one pre-application meeting with Lake County SMC/Village of Fox Lake. This task also includes minimal project coordination not requiring a separate agreement.

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

1.9. TREE SURVEY SUMMARY

V3's Certified Arborist will tag, measure, identify, and assess all trees 6 inches DBH and above. The tag number, diameter, and species will be recorded for each tree. A rating will be assigned to each tree in accordance with the International Society of Arboriculture guidelines, which will consider the size, species, condition, location, and aesthetics of each tree. It is V3's understanding that only those trees with a 6" DBH are required to be inventories.

Separately, trees that are 3" to 5" DBH in size will be evaluated for potential bat habitat. Those trees 3" to 5" DBH will be identified, tagged, assessed, and survey located (per Section 1.4 Environmental Due Diligence scope above: Bat Habitat Assessment). A summary table will be prepared listing tag number, scientific name, common name, diameter (DBH), and rating.

Upon the selected proposed alternative, based on the assessment of the tree and the proposed improvements within the corridor, V3 will identify whether trees within the corridor should be removed, should remain in place, or should be protected for the long-term. A tree removal/preservation plan will be prepared based on the data collected during the tree tabulation phase.

1.10. SPECIAL WASTE ASSESSMENTS

V3 will conduct a special waste screening in accordance with the IDOT Bureau of Local Roads & Streets Policies & Procedures. Based on the current understanding of the proposed project, the special waste screening will include the following.

Preliminary Environmental Site Assessment (PESA)

The initial evaluation of the project indicates a PESA will be required for the project design. V3 will conduct a PESA for the project corridor. The PESA will be completed in accordance with Section 20-12.04 of the IDOT Bureau of Local Roads & Streets Manual, Section 27-3.03(a) of the IDOT Bureau of Design and Environment Manual, and the ISGS Manual for Conducting Preliminary Site Assessments For Illinois Department of Transportation Infrastructure Projects. The PESA will include the following tasks.

- a. Provide a general description of the geology, hydrogeology, topography, soils, natural features and hazards relating to the project corridor.
- b. Review reasonably ascertainable regulatory information published by federal, state, local, tribal, health, and/or environmental agencies pertaining to the project corridor.
- c. Review historical data sources for the project corridor, including aerial photographs, topographic maps, fire insurance maps, city directories, and other readily available data.
- d. Conduct a reconnaissance / visual inspection of properties adjacent to the project corridor with a focus on indications of hazardous substances, petroleum products, polychlorinated biphenyls (PCBs), wells, storage tanks, solid waste disposal pits and sumps, and utilities.

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

- e. Evaluate and identify any Recognized Environmental Concerns (RECs) with or adjacent to project ROW.
- f. Prepare a written report of the PESA detailing the findings and conclusions.

1.11. SECTION 4(f) EVALUATION (IF NECESSARY)

Depending upon the ROW impacts at Millenium Park – Fox Lake, a Section 4(f) evaluation may be required. The evaluation and report format will be performed in accordance with Section 26-2 of IDOT's BDE Manual and address the proposed action and alternatives considered, impacts to the Section 4(f) properties, avoidance alternatives and measures to minimize harm. Coordination during the Section 4(f) process will be conducted with the owning agency and documented in a separate Section 4(f) report.

1.12. FLOODPLAIN MODELING & PERMITTING

Significant floodplain is present along and adjacent to the roadway corridor, however, it is all mapped Zone AE floodplain with elevations assigned, and it is all backwater from Duck Lake or Fox Lake. Hydraulic modeling of the Duck Lake and Fox Lake floodplains is therefore not anticipated.

The 10- and 100-year base floodplain elevations shall be mapped through the roadway corridor based on the FEMA elevations applied to the surveyed topography. This floodplain, mapped-by-survey, is used as the basis for understanding where the floodplain is located.

Compensatory storage is required for any fill placed in the floodplain. V3's drainage engineers shall work with the roadway engineers to minimize floodplain fill to the extent practical. Where floodplain is filled, floodplain fill will be calculated above and below the 10-year floodplain elevation, and the required amount of compensatory storage will be calculated in accordance with the Lake County Stormwater Management Commission (SMC) Watershed Development Ordinance (WDO). The drainage and roadway engineers will work together to determine whether the compensatory storage can be placed along the roadway corridor. It may also be possible to create compensatory storage elsewhere in the watershed on the associated lake (Fox Lake or Duck Lake) in which the fill was placed, in accordance with the WDO. V3 will coordinate with the DOT and Fox Lake to determine if there are desirable locations elsewhere that may be preferred in lieu of the roadway corridor.

The floodplain along the roadway is Zone AE floodplain flood fringe, and there is no floodway mapped in or near the right-of-way. Therefore, an IDNR-OWR Floodway Construction Permit is not anticipated. All floodplain impacts are permitted solely through Lake County SMC. The budget for SMC WDO permitting is included as part of the Phase I scope to ensure enough details are in place to initiate the permitting process. It is understood that permits are likely be secured in Phase II.

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

1.13. ROADWAY DRAINAGE DESIGN

Existing Conditions

Prepare Existing Drainage Plans (EDPs) that define: the existing drainage system (storm sewers, ditches, swales, culverts, etc.), off-site areas tributary to the roadway drainage system, floodplain limits, and existing outlet locations where storm water runoff exits the right-of-way (ROW). A field visit will be conducted to verify existing conditions and drainage patterns. Any available flooding records or drainage complaints will be collected from Lake County and other adjacent stakeholders to determine if there are currently any drainage issues related to the roadway drainage system that should be addressed in the proposed design. Existing drainage areas and discharge rates will be calculated at each outlet location. All existing conditions drainage calculations and exhibits will ultimately be included in the Lake County Watershed Development Permit (WDP) submittal.

Proposed Storm Sewer Design

The proposed Rollins Road cross-section will be evaluated to determine whether a closed system with curb and gutter on each side is feasible for the full length of the roadway corridor, or whether an open drainage system with ditches is preferred or necessary in some portions of the corridor. Once the proposed roadway profile is established, and open vs closed drainage systems are determined, then the drainage design will be performed. Every effort will be made to maintain existing drainage patterns.

In closed drainage system areas, inlet spacing calculations will be performed to ensure that the appropriate numbers of inlets are available to prevent the spread of water into the drive lanes per IDOT and Lake County design standards. Storm sewer conveyance systems will be designed to convey the 10-year storm event (using new Bulletin 75 rainfall values) and will outlet to the various existing outlet locations along the project corridor. Storm sewer velocities between 3 and 10 fps will be maintained.

In open drainage system areas, the capacity of the existing ditches will be calculated. Modifications to existing ditches will be proposed if necessary to convey the 10-year storm event. Some existing drainage ditches appear to be located on railroad ROW; coordination with the RR will be performed for offsite improvements, if necessary.

Existing cross-road drainage culverts will also be evaluated to ensure the culverts are sized appropriately to convey flow, with improvements proposed where necessary to correct conveyance deficits and/or to account for roadway widening. Culverts will be sized in accordance with SMC WDO and IDOT guidelines.

In open and closed drainage systems, hydraulic grade line (HGL) calculations will be performed to ensure that the design HGL does not surcharge the drainage system and impact the roadway or

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

rail. The appropriate tailwater conditions will be determined at each drainage outlet location to be used within the HGL calculations.

Subsurface Utility Design and Analysis (SUDA) software within Open Roads Designer will be used to design the roadway drainage system. Proposed Drainage Plan (PDP) exhibits will be prepared. These exhibits are typically plan and profile sheets which show the outlet locations and the proposed storm ditch and sewer system in both plan and profile with the HGL plotted. All proposed conditions drainage calculations and exhibits will be included in the WDP submittal. The proposed storm sewer design will be shown in detail in the final engineering plans which will include: Drainage plan and profile sheets, structure and pipe schedules, ditch cross sections and schedules, utility crossing information, underdrain design if needed, and drainage detail sheets.

Roadway Stormwater Detention:

The need for stormwater detention will be calculated for the project as a whole. It is possible that detention may not be necessary if sidewalk is not proposed throughout the entire corridor.

If the triggers for stormwater detention are met, then the required amount of stormwater detention will be calculated at each outlet location per the requirements of the Lake County Watershed Development Ordinance (WDO). As part of the detention evaluation V3 will evaluate the feasibility of any off-site detention or expansion of existing facilities to avoid oversized storm sewer within the ROW. This will include working with local agencies in assessing off-site possibilities. If off-site detention is not a possibility stormwater detention will likely be provided in oversized storm sewer pipes or other underground chamber systems. These systems will be designed to ensure they fit within the ROW, have sufficient cover, have adequate access points for future maintenance, and the appropriate control structures, and are designed with the downstream tailwater taken into consideration. Each detention system will be designed with the Lake County allowable 2-year and 100-year release rates of 0.04 cfs/ac & 0.09 cfs/acre (Fish Lake Drain watershed) or 0.15 cfs/ac (Fox River watershed). The proposed unrestricted and restricted release rates will be added together at each outlet and compared to the existing discharge rates to ensure that there is no increase in flow rates at each outlet location. The final design may include a combination of systems depending on evaluation of the corridor. The final engineering plans will include all schedules and construction details necessary to construct the detention systems and control structures.

1.14. UTILITY & SUBSURFACE UTILITY ENGINEERING (SUE) LEVEL B COORDINATION

Utility Coordination

The following is included under this task:

- a. V3 will prepare letters and exhibits to initiate coordination with utility companies within the project corridor.
- b. Design level field locations will be requested prior to topographic survey.
- c. V3 will review and identify potential utility conflicts according to the preferred alternative

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

- d. Utility Coordination Field Verification Meetings – up to two (2) field meetings with one V3 project team member present.

Subconsultant for Subsurface Utility Engineering (SUE) Level B

Survey and Mapping, LLC (SAM) will be performing SUE Level B. Their proposal can be found under Attachment D.

1.15. PUBLIC INVOLVEMENT

Public meetings in an open house format are anticipated to review the extent of improvements being proposed, the results of agency coordination, and the project schedule. This scope of work includes:

- a. Up to two Public Meeting activities (virtual public forum and open house public informational meeting to present proposed improvements)
- b. With each meeting, V3 will provide the following:
 - i. Handout brochures and display exhibits for use during the meetings,
 - ii. Documentation of the concerns and comments expressed by those at the meeting,
 - iii. Up to four (4) V3 project team representatives present at the meetings
- b. Two in-person dry runs of the Open House Public Informational Meeting
- c. Development of Frequently Asked Questions (FAQs) for project team's use
- d. Only upon a property owner's request, hours included under this scope assumes up to ten (10) individual property owner meetings to discuss more specific design concerns
- e. Compile list of property & business owner addresses
- f. Mail Letters
- g. Coordination of website exhibits/information to LCDOT
- h. Responses to public comments and incorporate a summary of the public involvement process in the PDR

Hours for meetings will also include preparation time prior to meetings and subsequent preparation of meeting minutes.

1.16. PROJECT DEVELOPMENT REPORT (PDR)

A Project Development Report (PDR) will be prepared to compile and discuss the environmental information obtained, summary of public involvement and stakeholder coordination, and the various design studies completed to determine the preferred alternative. Sections of the report will include existing conditions, design criteria, traffic considerations, proposed improvements, maintenance of traffic, public involvement, agency coordination, and Engineer's Opinion of Probable Construction Costs (EOPCC).

As part of the PDR development, the following sub-tasks are also included under this scope of work:

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

a. Structural Engineering & Coordination

Coordination with V3's structural engineering staff is anticipated to determine costs and general design details for retaining walls. In addition, input from structural engineering staff regarding costs and proposed geometrics for culvert crossings is also anticipated.

b. Pavement Analysis & Design

As part of the geometric studies, V3 will review the pavement cores and borings conducted by TSC. V3 staff will conduct a visual evaluation of the pavement condition. A pavement design will be developed for both widening and resurfacing and any section of roadway to be completely rebuilt.

c. Traffic Management Plan

One Maintenance of Traffic (MOT) concept will be evaluated which anticipates staged construction. Detailed MOT plans will be prepared during Phase II Engineering.

The following exhibits will be compiled into the project report:

- a. Engineer's Opinion of Probable Construction Cost (EOPCC)
- b. Location Map
- c. Existing and Future Traffic Exhibits
- d. Existing and Proposed Typical Sections (11" x 17" exhibit size)
- e. Plan and Profile sheets (11" x 17" exhibit size)
- f. Intersection Design Study
- g. Right-of-way maps (if applicable)

The following appendices will be compiled into the project report:

- a. Traffic Capacity Analysis
- b. Environmental Coordination
- c. Agency Coordination
- d. Utility Coordination
- e. Public Involvement
- f. Stormwater (separate cover)
- g. Wetland Delineation (separate cover)
- h. Special Waste (separate cover)

It is anticipated that two submittals of the PDR will be required to the LCDOT (pre-final and final). However, prior to the pre-final PDR submittal, conceptual Typical Sections, Plan and Profile sheets, IDSeS, will be submitted to the LCDOT for review and comment.

1.17. AGENCY MEETINGS/COORDINATION

The following meetings are anticipated with the project:

- a. Kick-off Meetings – LCDOT, Village of Fox Lake (2 – In-person)

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

- b. Geometric Studies / IDS review – LCDOT, IDOT (3 - Virtual); Village of Fox Lake (3 – in-person, includes one meeting of preferred alternative)
- c. Lake County Stormwater Management Commission (2 - Virtual)

Additionally, V3 may need to meet with LCDOT and/or the Village to clarify or discuss various items that may occur such as design issues, project status, and/or schedule. We anticipate 6 virtual meetings. Meeting minutes will be taken and sent out within five (5) days of the meeting.

1.18. RAILROAD/ICC COORDINATION

V3 will assist the County in meetings and coordination with Metra, Watco, and the Illinois Commerce Commission (ICC).

Early coordination with the railroad is recommended to understand what may be required for the railroad to approve any proposed improvements related to the at-grade crossings at Sayton Road and Jefferson Street or impacts to the existing drainage ditch.

Preliminary engineering will be performed to determine the alignment, profile, and width at the grade crossings. The scope will include up to three (3) meetings with each of the agencies to define railroad requirements, determine needed crossing improvements and review preliminary plans and installation costs.

A formal petition and hearing with the ICC will be required to obtain approval for improvements made to the at-grade crossing(s). V3 will develop documentation and exhibits needed for the petition and hearing and provide the necessary testimony at the hearing. V3 anticipates an Intergovernmental Agreement between the County, Village, and Metra will be necessary for the cost of construction and maintenance.

Hours for meetings will also include preparation time prior to meetings and subsequent preparation of meeting minutes.

1.19. QUALITY ASSURANCE/QUALITY CONTROL

Throughout the duration of the project, V3 will perform in-house quality control reviews to ensure that the plans, special provisions, EOPCC, PDR, and other computations or assumptions (which form the basis of the deliverable), are accurate and meet the standards and guidelines for the element or system. These quality control reviews will occur prior to submittal of any deliverable to the LCDOT or other review agency. The designated Project Manager will be responsible for the oversight of the QA/QC procedures and quality control reviews of the documents submitted for the project.

V3 Scope of Work

Rollins Road – Grand Avenue to Washington Avenue

The QA/QC process also involves the preparation and maintenance of project records. The process will assure that records are legible, identifiable and retrievable; protected from damage or loss; and are systematically filed in one location.

1.20. ADMINISTRATION AND MANAGEMENT

The following administrative and management tasks will be performed:

- a. Preparation of a project work plan which addresses schedule, deliverables, staffing, communication procedures and invoicing/progress reporting procedures
- b. Project administration set-up tasks
- c. Bi-weekly internal project team meetings/coordination
- d. Contract administration and budget control
- e. Invoice and billing reviews
- f. Sub-consultant coordination

ATTACHMENT 1 SURVEY LIMITS ROLLINS ROAD - GRAND AVENUE TO WASHINGTON AVENUE

Rollins at Grand Avenue (northwesternmost limit)

Include 500-ft on all legs of the intersection

500 ft at **each** side street approach

+50 ft on either side of existing ROW (typical throughout)

500 ft at **each** side street approach

Obtain Title Commitments along Rollins Road corridor within project limits.

Limit TCs on side streets to properties at the intersection.

Rollins at Washington (southeasternmost limit)

Include 500-ft on all legs of the intersection

Include Devlin/Rte 59 intersection

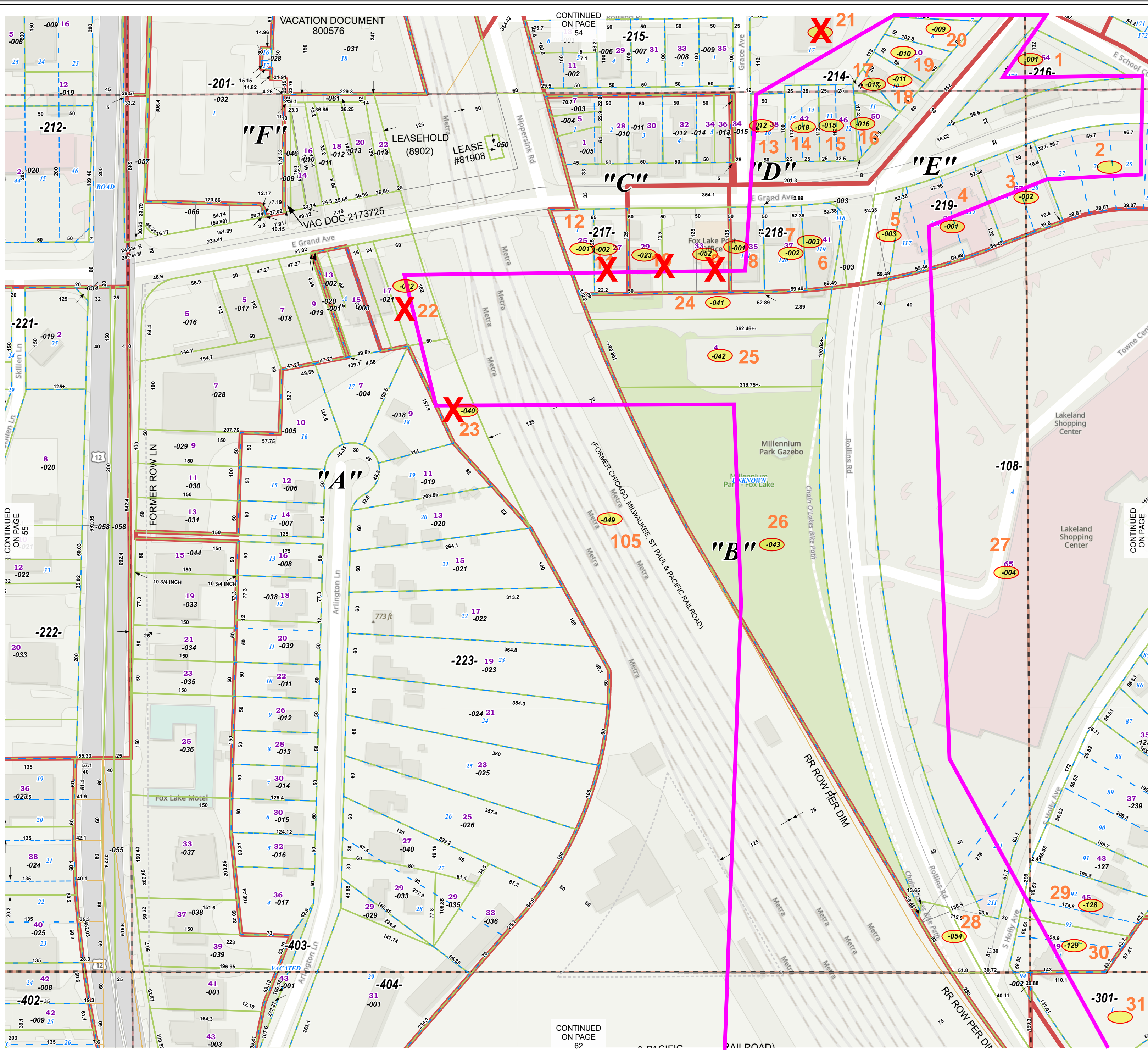
500 ft at **each** side street approach

Lake County, Illinois Maps Online

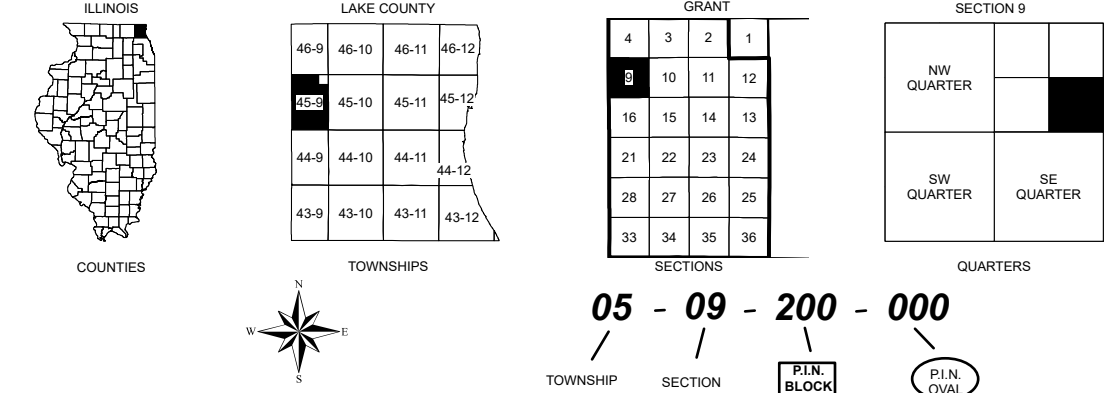
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Find pin, address or place





THE AREA SHOWN IS THE
SOUTHEAST 1/4 OF THE NORTHEAST
1/4 OF FRACTIONAL SECTION 9
TOWNSHIP 45 NORTH, RANGE 9 EAST



05 - 09 - 200 - 000
 TOWNSHIP SECTION P.L.N. BLOCK P.L.N. OVAL

TAX CODES

- TAX CODE 6-63
- FOX LAKE GRADE SCHOOL DISTRICT #114
- GRANT COMMUNITY HIGH SCHOOL DIST #124
- COLLEGE OF LAKE COUNTY #532
- FOX LAKE PUBLIC LIBRARY DIST
- FOX LAKE FIRE PROT DIST
- VIL OF FOX LAKE

= TC to be ordered

= No TC to be ordered

= General Project Limits

SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME

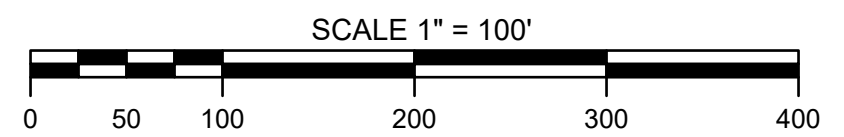
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- "B" PART OF HOLLISTER'S HOLLYWOOD SUBDIVISION UNRECORDED
- "C" E.O. SAYLES SUBDIVISION
- "D" PART OF EDWARD O. SAYLES 2ND SUBDIVISION
- "E" PART OF HOLLYWOOD 2ND SUBDIVISION
- "F" PART OF PLAT OF CONSOLIDATION OF THORNTONS SUBDIVISION

MAP REPRESENTATION

- Reference Arrow
- Dependent Lines
- Reference Lines
- Road Centerline
- Addresses
- Lots
- Tax Parcels
- Parcels
- PLSS Quarter Quarter Section
- PLSS Quarter Section
- Subdivision
- Condominium
- Tax Codes
- Private Road ROW
- Public Road ROW



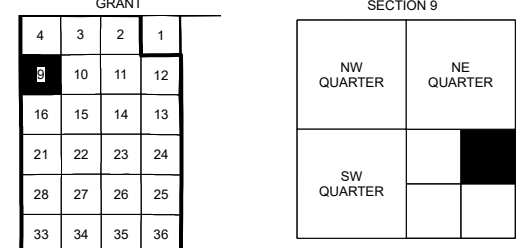
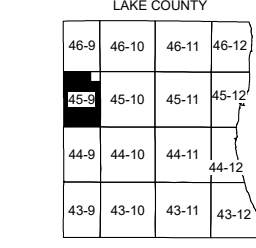
Disclaimer: This map is intended for general reference purposes only. It is not intended to be used as a base for engineering design, regulatory determinations, or to serve as a basis for making financial decisions or commitments. An Illinois Registered Land Surveyor should be consulted to determine the precise location of property boundaries on the ground.



REVISED
 2020

PREPARED BY: LAKE COUNTY
 CHIEF COUNTY ASSESSMENT OFFICE
 GIS/MAPPING DIVISION
 18 N COUNTY ST
 WAUKEGAN, IL 60085
 (847) 377-2373

THE AREA SHOWN IS THE
**NORTHEAST 1/4 OF THE SOUTHEAST
 1/4 OF FRACTIONAL SECTION 9
 TOWNSHIP 45 NORTH, RANGE 9 EAST**



05 - 09 - 400 - 000
 TOWNSHIP SECTION P.L.N. BLOCK P.L.N. OVAL

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- FOX LAKE FIRE PROT DIST
- VIL OF FOX LAKE

TAX CODE 6-70

- FOX LAKE GRADE SCHOOL DISTRICT #114
- GRANT COMMUNITY HIGH SCHOOL DIST #124
- COLLEGE OF LAKE COUNTY #532
- FOX LAKE PUBLIC LIBRARY DIST
- FOX LAKE FIRE PROT DIST
- VIL OF FOX LAKE
- FOX LAKE TAX INCREM FINANCE AREA #1

= TC to be ordered

X = No TC to be ordered

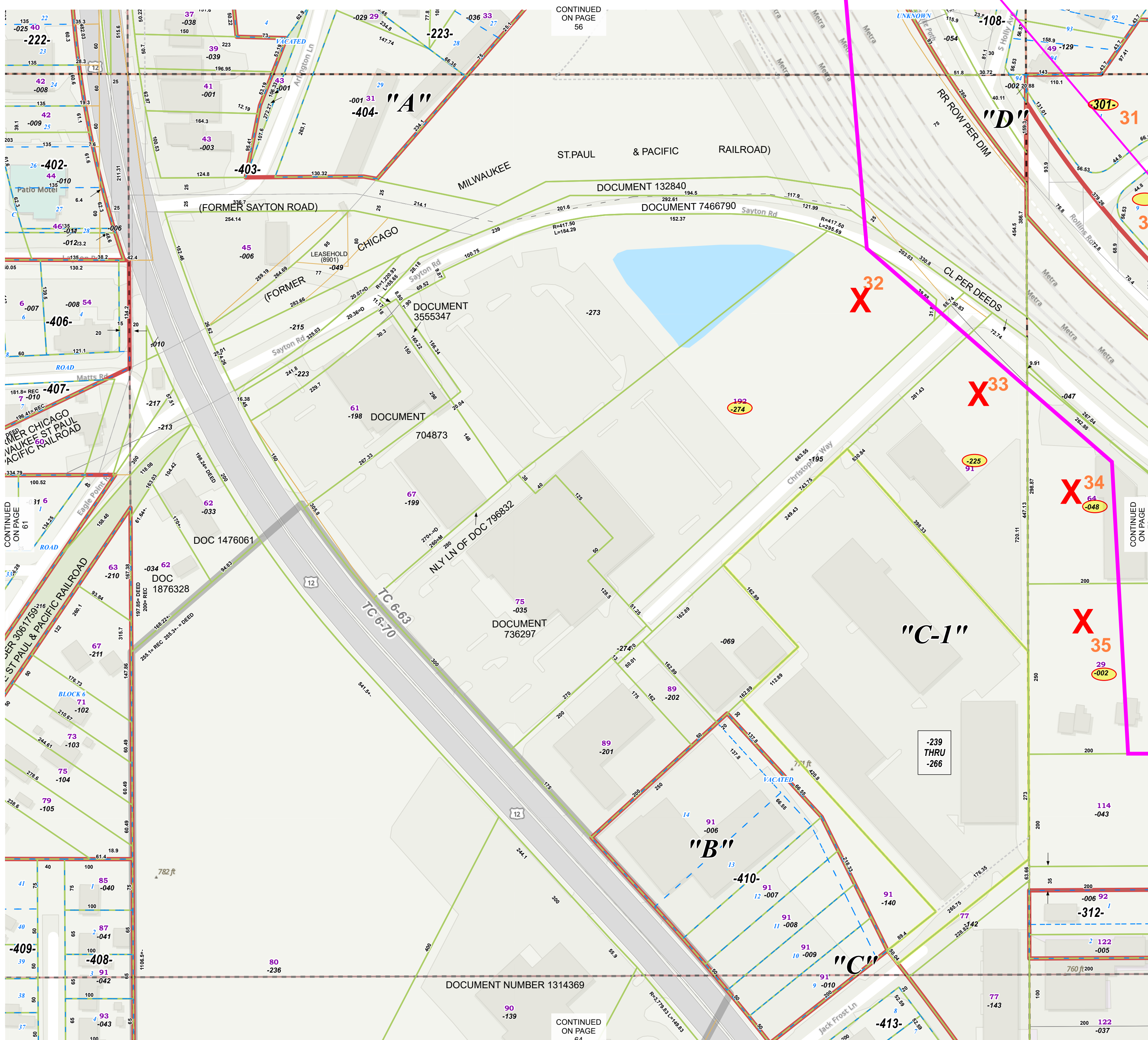
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**SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME**

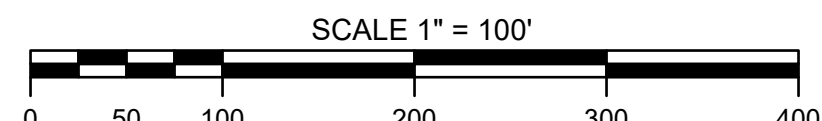
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- "B" PART OF WATT'S RESUBDIVISION
- "C" PART OF FIRST ADDITION TO FOX LAKE MANOR SUBDIVISION
- "D" PART OF HOLLISTER'S HOLLYWOOD SUBDIVISION (UNRECORDED)
- "C-1" FOX LAKE BUSINESS PARK CONDOMINIUMS

MAP REPRESENTATION

- Reference Arrow
- Dependent Lines
- Reference Lines
- Road Centerline
- 1234 Addresses
- 1234 Lots
- Tax Parcels
- Parcels
- PLSS Quarter Quarter Section
- PLSS Quarter Section
- Subdivision
- Condominium
- Tax Codes
- Private Road ROW
- Public Road ROW



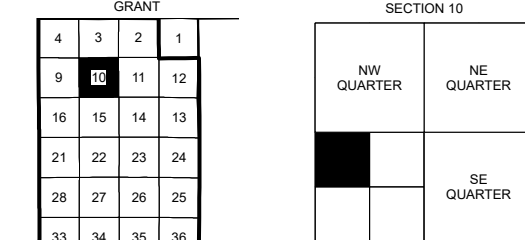
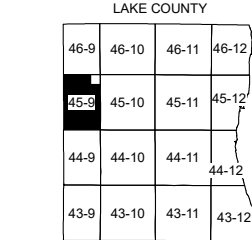
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REVISED
2020

PREPARED BY: LAKE COUNTY
 CHIEF COUNTY ASSESSMENT OFFICE
 GIS/MAPPING DIVISION
 18 N COUNTY ST
 WAUKEGAN, IL 60085
 (847) 377-2373

THE AREA SHOWN IS THE
**NORTHWEST 1/4 OF THE SOUTHWEST
 1/4 OF FRACTIONAL SECTION 10
 TOWNSHIP 45 NORTH, RANGE 9 EAST**



05 - 10 - 300 - 000
 TOWNSHIP SECTION P.L.N. BLOCK P.L.N. OVAL

TAX CODES

TAX CODE 6-63
 FOX LAKE GRADE SCHOOL DISTRICT #114
 GRANT COMMUNITY HIGH SCHOOL DIST #124
 COLLEGE OF LAKE COUNTY #532
 FOX LAKE PUBLIC LIBRARY DIST
 FOX LAKE FIRE PROT DIST
 VIL OF FOX LAKE

= TC to be ordered

X = No TC to be ordered

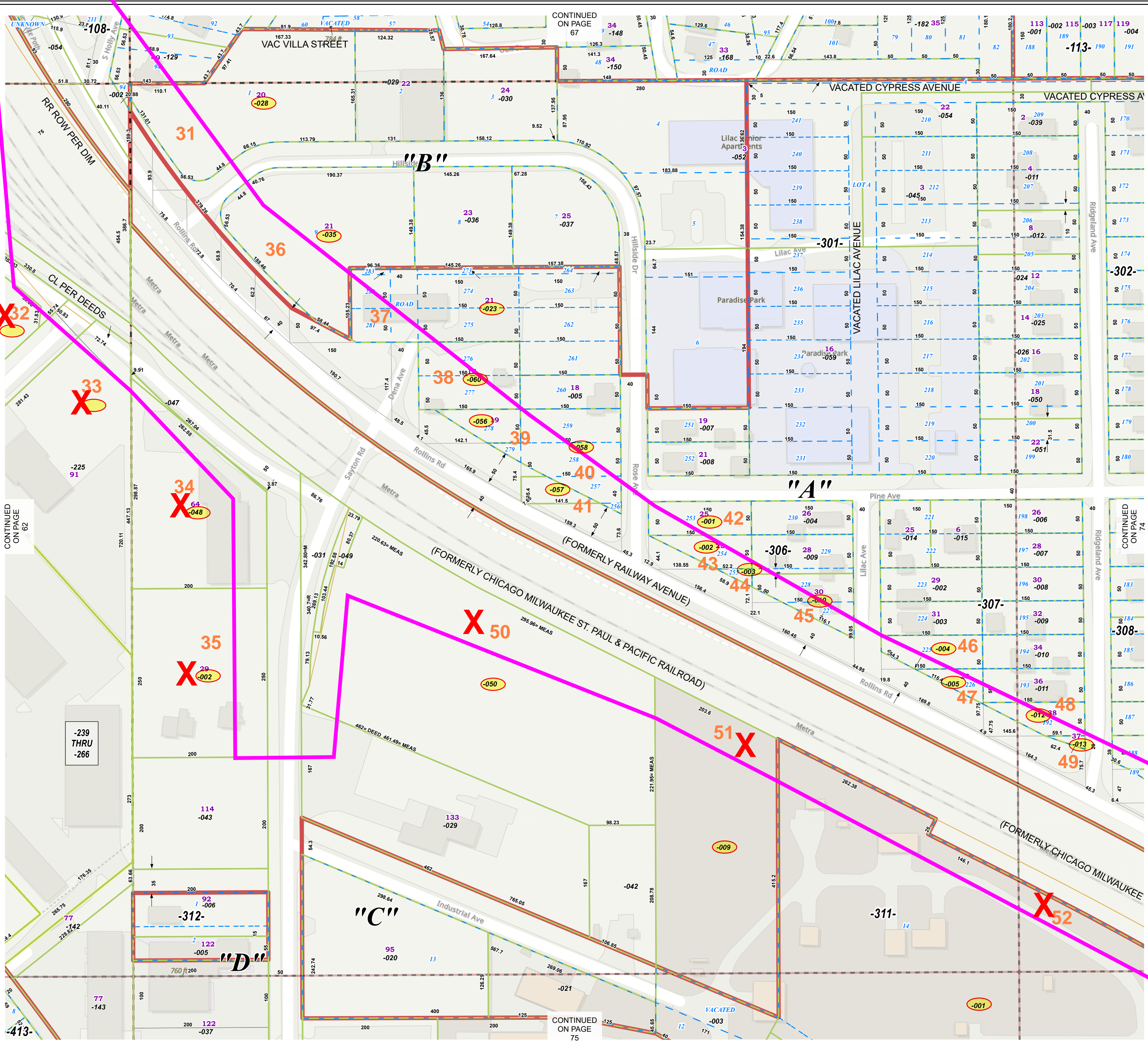
= General Project Limits

SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME

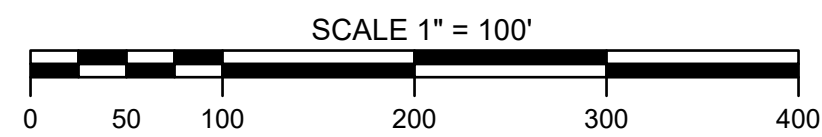
- "A" PART OF WILLIAM T SULLIVAN'S HILLCREST SUBDIVISION
- "B" PART OF HILLSIDE PARK RESUBDIVISION
- "C" PART OF FIRST ADDITION TO FRANK TONYAN'S SUBDIVISION
- "D" OWNER'S SAYTON ROAD SUBDIVISION

MAP REPRESENTATION

- Reference Arrow
- Dependent Lines
- Reference Lines
- Road Centerline
- Addresses
- Lots
- Tax Parcels
- Parcels
- PLSS Quarter Quarter Section
- PLSS Quarter Section
- Subdivision
- Condominium
- Tax Codes
- Private Road ROW
- Public Road ROW



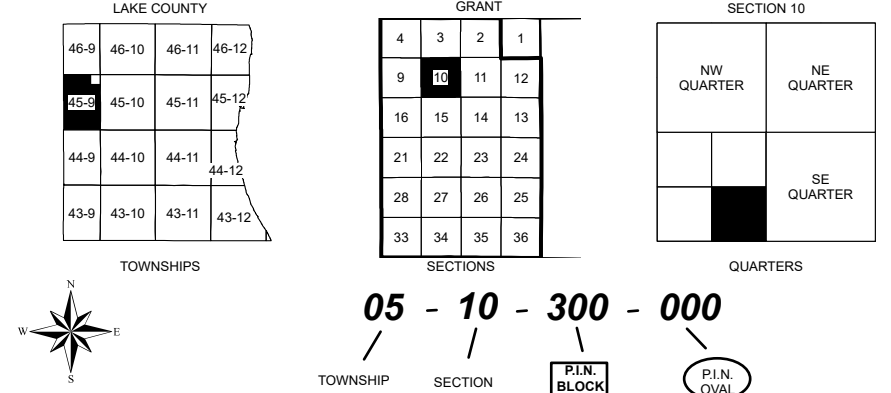
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THE AREA SHOWN IS THE
**SOUTHEAST 1/4 OF THE SOUTHWEST
 1/4 OF FRACTIONAL SECTION 10
 TOWNSHIP 45 NORTH, RANGE 9 EAST**



05 - 10 - 300 - 000
 TOWNSHIP SECTION P.L.N. BLOCK P.L.N. OVAL

TAX CODES

TAX CODE 6-63
 FOX LAKE GRADE SCHOOL DISTRICT #114
 GRANT COMMUNITY HIGH SCHOOL DIST #124
 COLLEGE OF LAKE COUNTY #532
 FOX LAKE PUBLIC LIBRARY DIST
 FOX LAKE FIRE PROT DIST
 VIL OF FOX LAKE

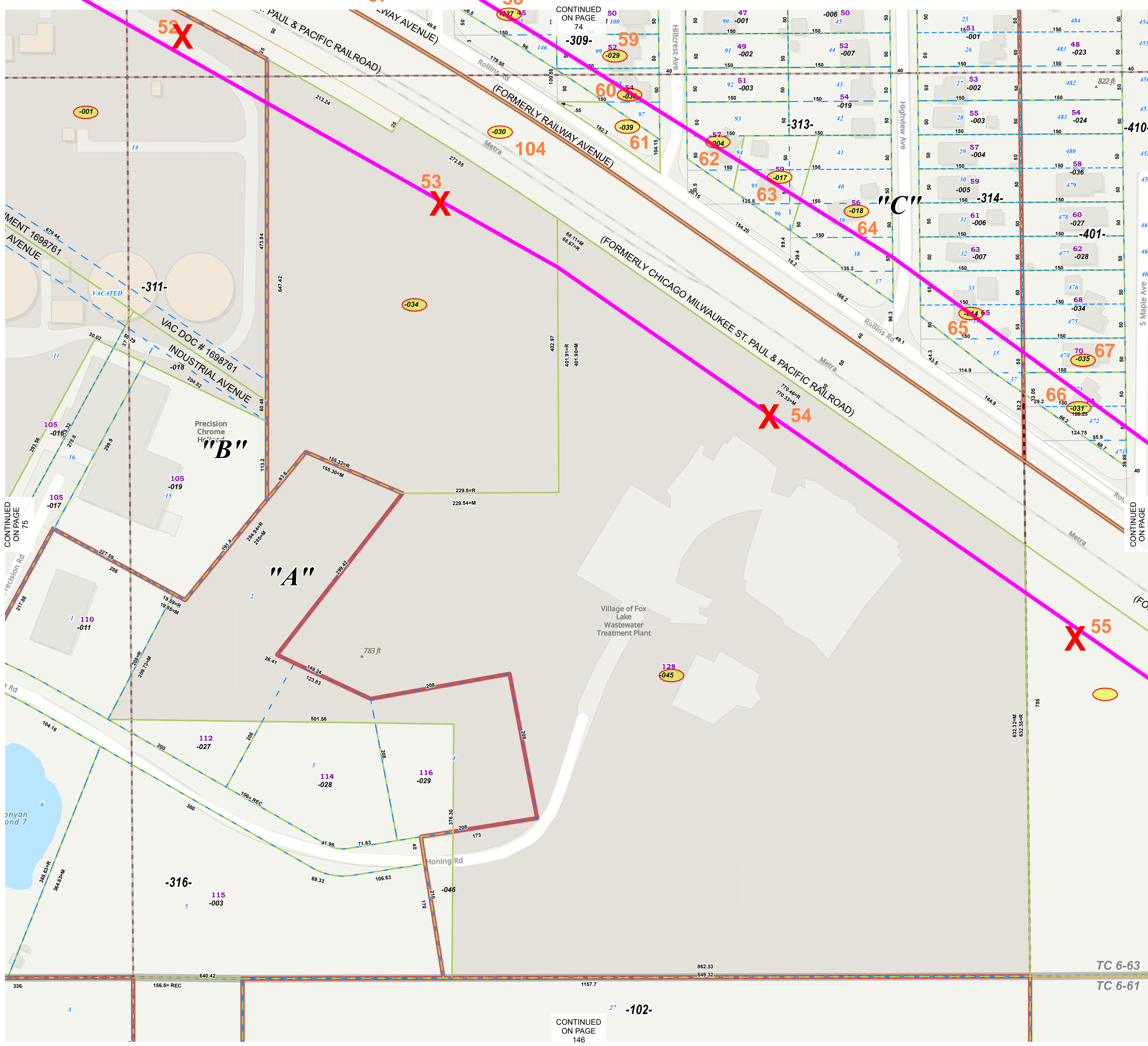
- # = TC to be ordered
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**SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME**

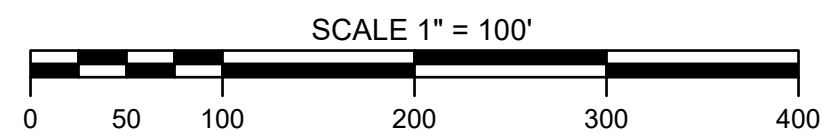
- "A" PART OF FRANK TONYAN'S SUBDIVISION
- "B" PART OF FIRST ADDITION TO FRANK TONYAN'S SUBDIVISION
- "C" PART OF WILLIAM SULLIVAN'S HILLCREST SUBDIVISION

MAP REPRESENTATION

- Reference Arrow
- Dependent Lines
- Reference Lines
- Road Centerline
- 1234 Addresses
- 1234 Lots
- Tax Parcels
- Parcels
- PLSS Quarter Quarter Section
- PLSS Quarter Section
- Subdivision
- Condominium
- Tax Codes
- Private Road ROW
- Public Road ROW



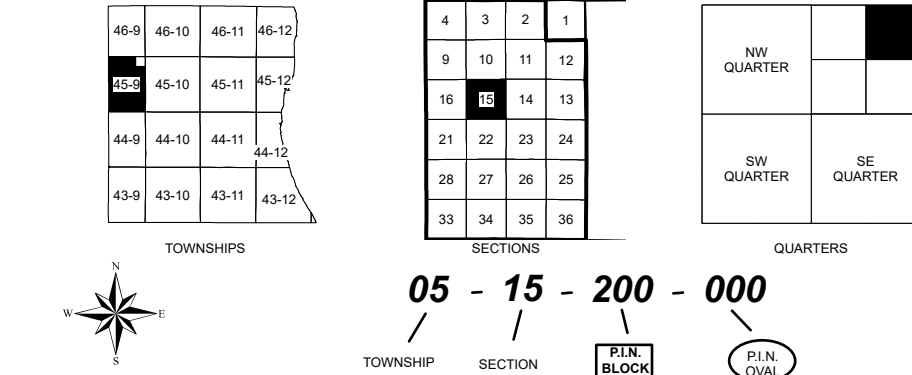
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THE AREA SHOWN IS THE
**NORTHEAST 1/4 OF THE NORTHEAST
 1/4 OF FRACTIONAL SECTION 15
 TOWNSHIP 45 NORTH, RANGE 9 EAST**



TAX CODES

TAX CODE 6-61
 BIG HOLLOW SCHOOL DISTRICT #38
 GRANT COMMUNITY HIGH SCHOOL DIST #124
 COLLEGE OF LAKE COUNTY #532
 FOX LAKE PUBLIC LIBRARY DIST
 FOX LAKE FIRE PROT DIST
 VIL OF FOX LAKE

= TC to be ordered

X = No TC to be ordered

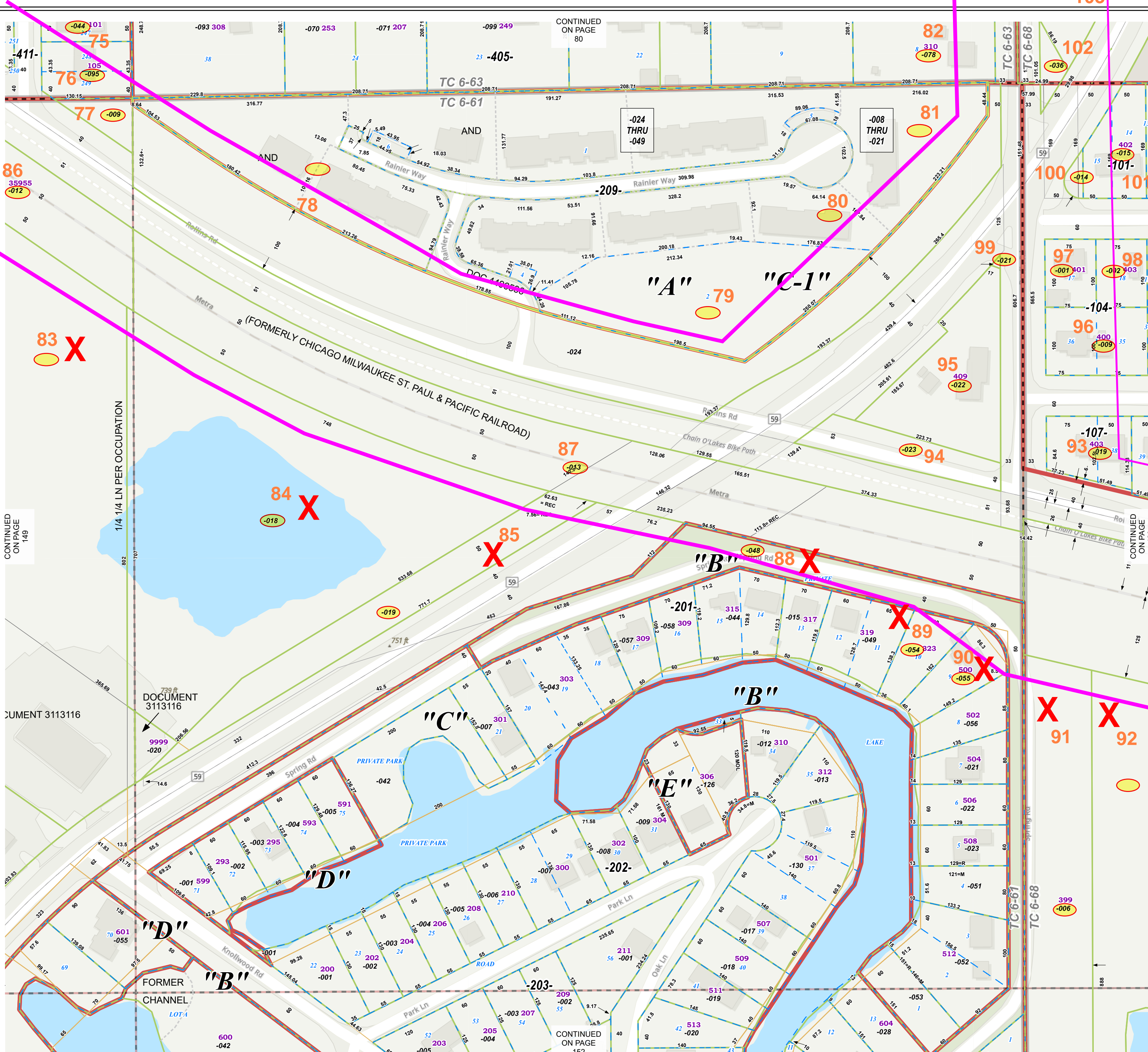
— = General Project Limits

**SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME**

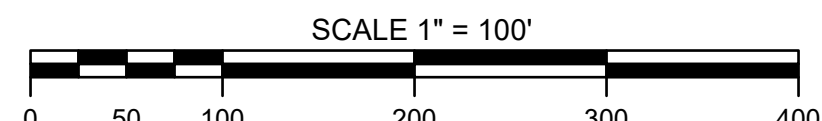
- "A" RAINIER WOODS SUBDIVISION
- "B" PART OF KNOLLWOOD PARK SUBDIVISION
- "C" PART OF RESUBDIVISION OF KNOLLWOOD PARK SUBDIVISION
- "D" PART OF FIRST SUBDIVISION OF LOT 1 IN KNOLLWOOD PARK
- "D" PART OF FIRST SUBDIVISION OF LOT 1 KNOLLWOOD PARK (AKA FIRST ADDITION OF LOT A KNOLLWOOD PARK)
- "E" VILLAGE OF FOX LAKE 32 AND 33 CONSOLIDATION SUBDIVISION
- "C-1" RAINIER WOODS TOWNHOMES CONDOMINIUM

MAP REPRESENTATION

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- Reference Lines
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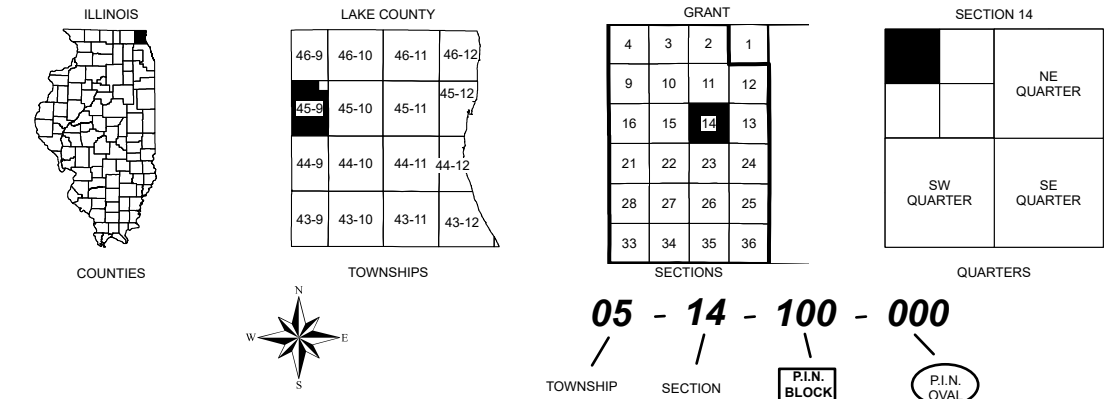
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**NORTHWEST 1/4 OF THE NORTHWEST
 1/4 OF SECTION 14**
TOWNSHIP 45 NORTH, RANGE 9 EAST



05 - 14 - 100 - 000
 TOWNSHIP SECTION PLN. BLOCK PLN. OVAL

TAX CODES

- TAX CODE 6-68
 GAVIN SCHOOL DISTRICT #37
 GRANT COMMUNITY HIGH SCHOOL DIST #124
 COLLEGE OF LAKE COUNTY #532
 FOX LAKE PUBLIC LIBRARY DIST
 FOX LAKE FIRE PROT DIST
 VIL OF FOX LAKE

= TC to be ordered

= No TC to be ordered

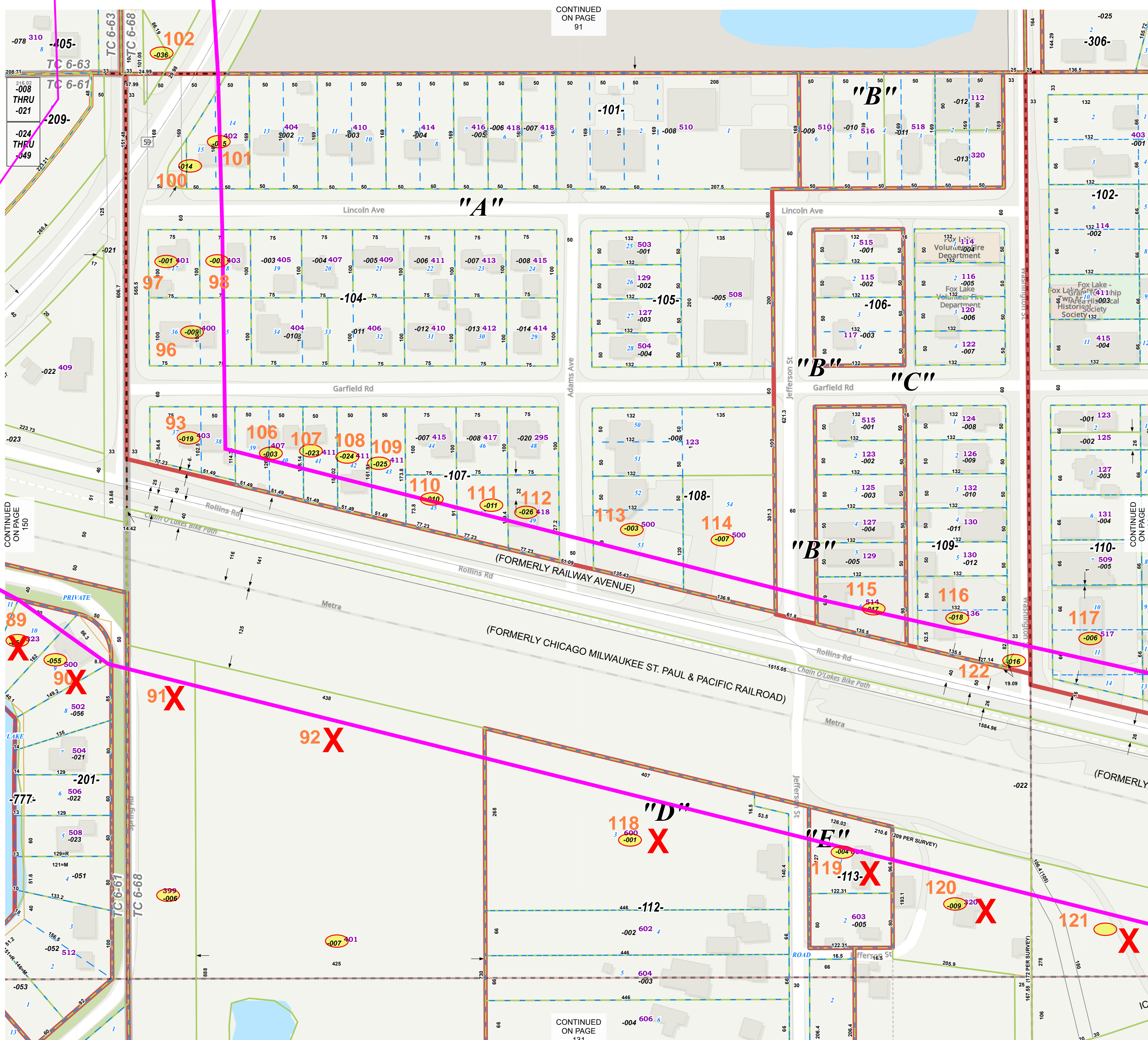
= General Project Limits

SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME

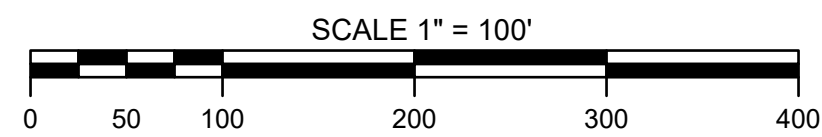
- "A" HENRY J. DEVLINS SECOND SUBDIVISION
- "B" HENRY J. DEVLINS SUBDIVISION
(REC 09-21-1905)
- "C" PART OF HENRY J. AND CELIA M. DEVLINS
SUBDIVISION
- "D" PART OF HENRY J. DEVLINS SUBDIVISION
(SOUTH OF RAILROAD, REC 08-28-1905)
- "E" DRDLA PLAT OF CONSOLIDATION
SUBDIVISION

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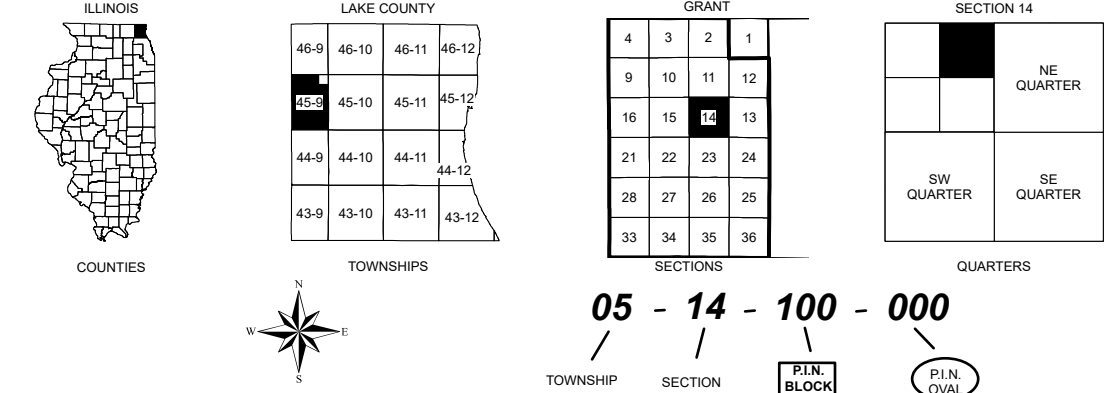
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 1/4 OF SECTION 14
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05 - 14 - 100 - 000
 TOWNSHIP SECTION P.L.N. BLOCK P.L.N. OVAL

TAX CODES

- | | |
|---------------------------------------|---------------------------------------|
| TAX CODE 6-9 | TAX CODE 6-68 |
| GAVIN SCHOOL DISTRICT #37 | GAVIN SCHOOL DISTRICT #37 |
| GRANT COMMUNITY HIGH SCHOOL DIST #124 | GRANT COMMUNITY HIGH SCHOOL DIST #124 |
| COLLEGE OF LAKE COUNTY #532 | COLLEGE OF LAKE COUNTY #532 |
| FOX LAKE PUBLIC LIBRARY DIST | FOX LAKE PUBLIC LIBRARY DIST |
| FOX LAKE FIRE PROT DIST | FOX LAKE FIRE PROT DIST |
| | VIL OF FOX LAKE |

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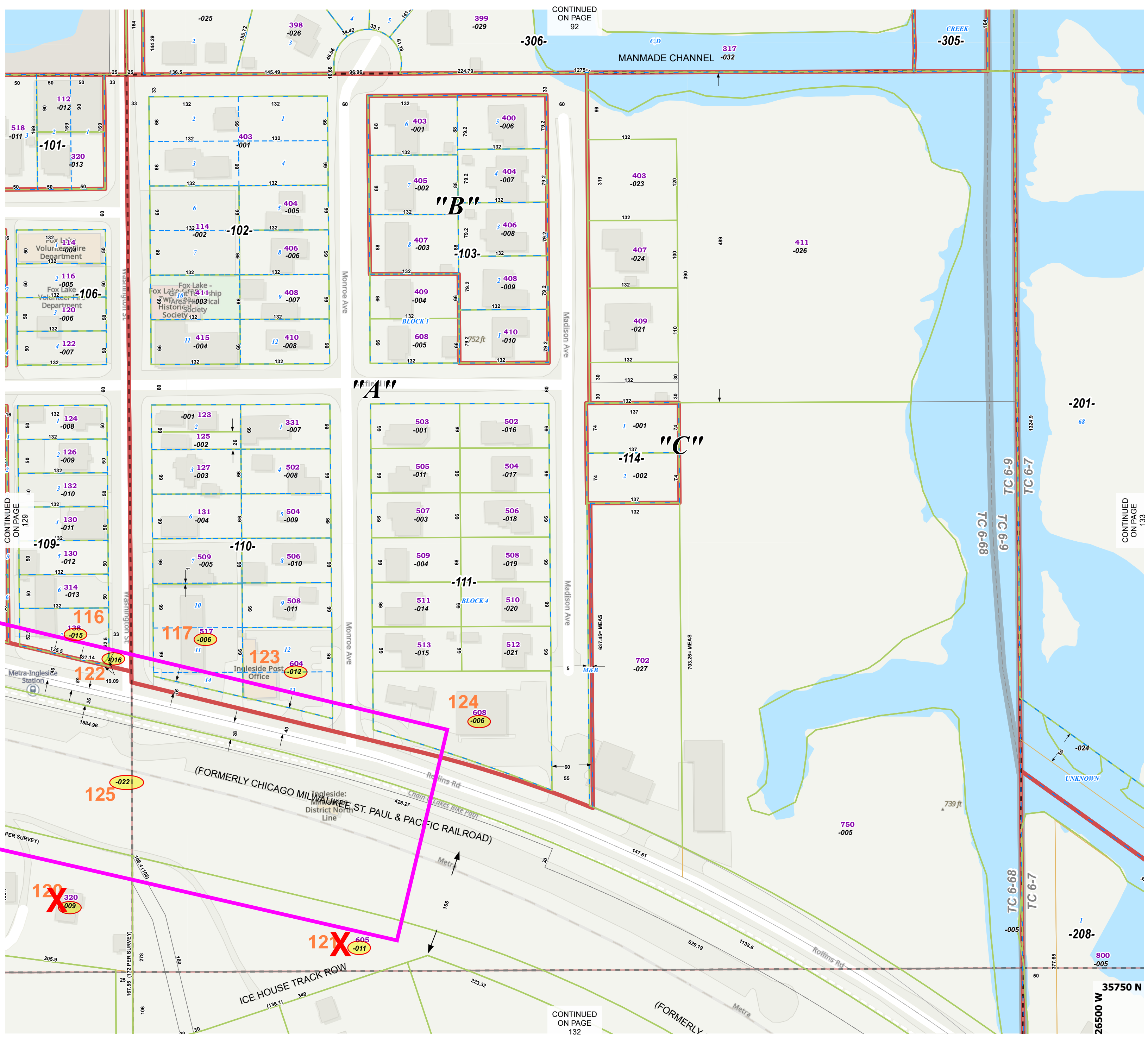
— = General Project Limits

**SUBDIVISION AND CONDOMINIUM INDEX
 BY LOCATION AND NAME**

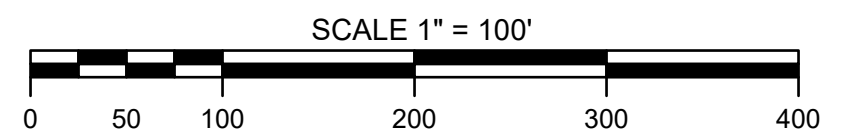
- "A" FELIX O'BOYLE'S SUBDIVISION
- "B" THILLEN'S SUBDIVISION
- "C" BARNES ACRES SUBDIVISION

MAP REPRESENTATION

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Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	V3 Companies	Lake	22-00116-09-WR

**EXHIBIT B
PROJECT SCHEDULE**

SEE ATTACHED.

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	V3 Companies	Lake	22-00116-09-WR

EXHIBIT C
Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)

SEE ATTACHED.

CECS BLR 05514 Phase I
V3 Manhours Breakdown
V3 Direct Cost Breakdown



Local Public Agency Lake County Division of Transportation	County Lake County	Section Number 22-00116-09-WR
Prime Consultant (Firm) Name V3 Companies	Prepared By EIH / KRC	Date 6/13/2023
Consultant / Subconsultant Name V3 Companies	Job Number 	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	15	MONTHS	OVERHEAD RATE	165.00%
START DATE	8/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	10/31/2024			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	8/1/2023	1/1/2024	5	33.33%
1	1/2/2024	11/1/2024	10	68.00%

The total escalation = 1.33%

Local Public Agency

County

Section Number

Lake County Division of Transportation

Lake County

22-00116-09-WR

Consultant / Subconsultant Name

Job Number

V3 Companies

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	1.33%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Director	\$86.00	\$86.00
Principal	\$86.00	\$86.00
Senior Project Manager - Trans & Mun	\$77.37	\$78.40
Senior Project Manager - Constr Eng	\$78.26	\$79.30
Senior Project Manager - Wetland	\$68.58	\$69.49
Senior Project Manager - Survey	\$63.66	\$64.51
Senior Project Manager - Environmental	\$85.50	\$86.00
Project Manager I - Environmental	\$51.19	\$51.87
Project Manager I - Survey	\$44.02	\$44.61
Project Manager II - NR	\$66.67	\$67.56
Senior Project Engineer	\$55.30	\$56.04
Senior Project Engineer - Trans & Mun	\$61.10	\$61.92
Project Engineer I	\$46.40	\$47.02
Engineer II	\$39.16	\$39.68
Engineer I	\$37.63	\$38.13
Design Technician III	\$48.64	\$49.29
Project Scientist II	\$46.72	\$47.34
Project Scientist I	\$41.84	\$42.40
Scientist III	\$35.59	\$36.06
Survey Crew	\$42.09	\$42.65
Project Surveyor II	\$42.24	\$42.80
Project Surveyor I	\$31.08	\$31.49
Project Coordinator	\$25.03	\$25.36

Local Public Agency

Lake County Division of Transportation

County

Lake County

Section Number

22-00116-09-WR

Consultant / Subconsultant Name

V3 Companies

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	1	\$2,570.00	\$2,570.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)	1	\$1,785.00	\$1,785.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
EcoCAT Fee	Actual Cost	1	\$200.00	\$200.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost	1	\$500.00	\$500.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Counts (Quality Counts)	Actual Cost	1	\$35,400.00	\$35,400.00
Title Commitments	Actual Cost	1	\$60,000.00	\$60,000.00
Railroad Flagger	Actual Cost (\$1500 per day; Assumes 8 days)	1	\$12,000.00	\$12,000.00
Railroad Flagger Application	Actual Cost (one-time fee)	1	\$1,000.00	\$1,000.00
TOTAL DIRECT COSTS:				\$113,455.00

Local Public Agency
 Lake County Division of Transportation

County
 Lake County

Section Number
 22-00116-09-WR

Consultant / Subconsultant Name
 V3 Companies

Job Number

COST ESTIMATE WORKSHEET
 EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE **165.00%**

COMPLEXITY FACTOR **0**

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
1.1 Topographic Survey	13,695	1064	47,498	78,372	15,674		141,544	13.73%
1.2 Right-of-Way Verification	60,000	329	17,644	29,113	5,823		52,580	5.10%
1.3 Data Collection, Review, & Mosaics	210	84	4,668	7,703	1,541	51,000	64,912	6.30%
1.4 Environmental Due Diligence	340	50	2,307	3,807	761		6,875	0.67%
1.5 Traffic & Crash Analysis Evaluation	35,400	200	8,278	13,658	2,732		24,668	2.39%
1.6 Intersection Design Studies		158	7,161	11,815	2,363		21,339	2.07%
1.7 Geometric Design Studies		650	31,878	52,599	10,520		94,997	9.21%
1.8 Wetland Delineation & Pre-Jurisdictional Determination	280	154	7,923	13,073	2,615		23,611	2.29%
1.9 Tree Survey Summary	350	126	5,421	8,945	1,789		16,155	1.57%
1.10 Special Waste Assessments	500	113	6,140	10,132	2,026		18,298	1.77%
1.11 Section 4(f) Evaluation (If Necessary)	100	72	3,253	5,368	1,074		9,695	0.94%
1.12 Floodplain Modeling & Permitting	140	270	12,949	21,366	4,273		38,588	3.74%
1.13 Roadway Drainage Design		600	30,476	50,285	10,057		90,818	8.81%
1.14 Utility & Subsurface Utility Engineering (SUE) Level B Coordination	140	72	3,646	6,017	1,203	75,000	85,866	8.33%
1.15 Public Involvement	1,230	278	16,995	28,041	5,608		50,644	4.91%
1.16 Project Development Report	430	542	27,477	45,337	9,067		81,881	7.94%
1.17 Agency Meetings/Coordination	490	110	6,221	10,265	2,053		18,539	1.80%
1.18 Railroad / ICC Coordination		86	4,687	7,733	1,547		13,967	1.35%
1.19 QA/QC	150	120	9,712	16,024	3,205		28,941	2.81%
1.20 Administration and Management		183	11,337	18,706	3,741		33,784	3.28%
			-	-	-		-	-
			-	-	-		-	-
			-	-	-		-	-
			-	-	-		-	-
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			-	-	-		-	-
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			-	-	-		-	-
			-	-	-		-	-
			-	-	-		-	-
			-	-	-		-	-
Subconsultant DL							\$0.00	
Direct Costs Total ==>	\$113,455.00						\$113,455.00	11.00%
TOTALS		5261	265,671	438,359	87,672	126,000	1,031,157	100.00%

704.030

Local Public Agency

Lake County Division of Transportation

County

Lake County

Section Number

22-00116-09-WR

Consultant / Subconsultant Name

V3 Companies

Job Number

AVERAGE HOURLY PROJECT RATES
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			1.1 Topographic Survey			1.2 Right-of-Way Verification			1.3 Data Collection, Review, & Mosaics			1.4 Environmental Due Diligence			1.5 Traffic & Crash Analysis Evaluation		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Director	86.00	243.0	4.62%	3.97							8	9.52%	8.19	2	4.00%	3.44	4	2.00%	1.72
Principal	86.00	0.0																	
Senior Project Manager - Trans & Mun	78.40	135.0	2.57%	2.01															
Senior Project Manager - Constr Eng	79.30	0.0																	
Senior Project Manager - Wetland	69.49	42.0	0.80%	0.55									4	8.00%	5.56				
Senior Project Manager - Survey	64.51	144.0	2.74%	1.77	24	2.26%	1.46	120	36.47%	23.53									
Senior Project Manager - Environmental	86.00	25.0	0.48%	0.41															
Project Manager I - Environmental	51.87	0.0																	
Project Manager I - Survey	44.61	0.0																	
Project Manager II - NR	67.56	61.0	1.16%	0.78															
Senior Project Engineer	56.04	505.0	9.60%	5.38															
Senior Project Engineer - Trans & Mun	61.92	509.0	9.67%	5.99							32	38.10%	23.59				16	8.00%	4.95
Project Engineer I	47.02	903.0	17.16%	8.07							24	28.57%	13.43				4	2.00%	0.94
Engineer II	39.68	609.0	11.58%	4.59							12	14.29%	5.67				160	80.00%	31.75
Engineer I	38.13	258.0	4.90%	1.87															
Design Technician III	49.29	497.0	9.45%	4.66	240	22.56%	11.12	149	45.29%	22.32	8	9.52%	4.69						
Project Scientist II	47.34	228.0	4.33%	2.05										24	48.00%	22.72			
Project Scientist I	42.40	0.0																	
Scientist III	36.06	124.0	2.36%	0.85										20	40.00%	14.43			
Survey Crew	42.65	860.0	16.35%	6.97	800	75.19%	32.07	60	18.24%	7.78									
Project Surveyor II	42.80	0.0																	
Project Surveyor I	31.49	0.0																	
Project Coordinator	25.36	118.0	2.24%	0.57													16	8.00%	2.03
		0.0																	
		0.0																	
		0.0																	
		0.0																	
TOTALS		5261.0	100%	\$50.50	1064.0	100.00%	\$44.64	329.0	100%	\$53.63	84.0	100%	\$55.57	50.0	100%	\$46.15	200.0	100%	\$41.39

Local Public Agency

Lake County Division of Transportation

County

Lake County

Section Number

22-00116-09-WR

Consultant / Subconsultant Name

V3 Companies

Job Number

AVERAGE HOURLY PROJECT RATES
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	1.6 Intersection Design Studies			1.7 Geometric Design Studies			1.8 Wetland Delineation & Pre-Jurisdictional Determination			1.9 Tree Survey Summary			1.10 Special Waste Assessments			1.11 Section 4(f) Evaluation (If Necessary)		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Director	86.00	8	5.06%	4.35	16	2.46%	2.12	12	7.79%	6.70							4	5.56%	4.78
Principal	86.00																		
Senior Project Manager - Trans & Mun	78.40																		
Senior Project Manager - Constr Eng	79.30																		
Senior Project Manager - Wetland	69.49							32	20.78%	14.44	6	4.76%	3.31						
Senior Project Manager - Survey	64.51																		
Senior Project Manager - Environmental	86.00													25	22.12%	19.03			
Project Manager I - Environmental	51.87																		
Project Manager I - Survey	44.61																		
Project Manager II - NR	67.56																		
Senior Project Engineer	56.04																		
Senior Project Engineer - Trans & Mun	61.92	14	8.86%	5.49	78	12.00%	7.43										12	16.67%	10.32
Project Engineer I	47.02	18	11.39%	5.36	492	75.69%	35.59										8	11.11%	5.22
Engineer II	39.68	110	69.62%	27.63	64	9.85%	3.91										40	55.56%	22.05
Engineer I	38.13																		
Design Technician III	49.29	8	5.06%	2.50															
Project Scientist II	47.34							64	41.56%	19.67	60	47.62%	22.54	80	70.80%	33.52			
Project Scientist I	42.40																		
Scientist III	36.06							44	28.57%	10.30	60	47.62%	17.17						
Survey Crew	42.65																		
Project Surveyor II	42.80																		
Project Surveyor I	31.49																		
Project Coordinator	25.36							2	1.30%	0.33				8	7.08%	1.80	8	11.11%	2.82
TOTALS		158.0	100%	\$45.32	650.0	100%	\$49.04	154.0	100%	\$51.45	126.0	100%	\$43.03	113.0	100%	\$54.34	72.0	100%	\$45.19

Local Public Agency

Lake County Division of Transportation

County

Lake County

Section Number

22-00116-09-WR

Consultant / Subconsultant Name

V3 Companies

Job Number

AVERAGE HOURLY PROJECT RATES
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 3 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	1.12 Floodplain Modeling & Permitting			1.13 Roadway Drainage Design			1.14 Utility & Subsurface Utility Engineering (SUE) Level B Coordination			1.15 Public Involvement			1.16 Project Development Report			1.17 Agency Meetings/Coordination		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Director	86.00							6	8.33%	7.17	56	20.14%	17.32	20	3.69%	3.17	18	16.36%	14.07
Principal	86.00																		
Senior Project Manager - Trans & Mun	78.40													55	10.15%	7.96			
Senior Project Manager - Constr Eng	79.30																		
Senior Project Manager - Wetland	69.49																		
Senior Project Manager - Survey	64.51																		
Senior Project Manager - Environmental	86.00																		
Project Manager I - Environmental	51.87																		
Project Manager I - Survey	44.61																		
Project Manager II - NR	67.56	18	6.67%	4.50	43	7.17%	4.84												
Senior Project Engineer	56.04	140	51.85%	29.06	365	60.83%	34.09												
Senior Project Engineer - Trans & Mun	61.92							12	16.67%	10.32	134	48.20%	29.84	55	10.15%	6.28	28	25.45%	15.76
Project Engineer I	47.02							32	44.44%	20.90	32	11.51%	5.41	212	39.11%	18.39	44	40.00%	18.81
Engineer II	39.68							16	22.22%	8.82				156	28.78%	11.42	12	10.91%	4.33
Engineer I	38.13	82	30.37%	11.58	176	29.33%	11.19												
Design Technician III	49.29							4	5.56%	2.74	40	14.39%	7.09	32	5.90%	2.91	8	7.27%	3.58
Project Scientist II	47.34																		
Project Scientist I	42.40																		
Scientist III	36.06																		
Survey Crew	42.65																		
Project Surveyor II	42.80																		
Project Surveyor I	31.49																		
Project Coordinator	25.36	30	11.11%	2.82	16	2.67%	0.68	2	2.78%	0.70	16	5.76%	1.46	12	2.21%	0.56			
TOTALS		270.0	100%	\$47.96	600.0	100%	\$50.79	72.0	100%	\$50.64	278.0	100%	\$61.13	542.0	100%	\$50.70	110.0	100%	\$56.55

Local Public Agency

Lake County Division of Transportation

County

Lake County

Section Number

22-00116-09-WR

Consultant / Subconsultant Name

V3 Companies

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 4 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	1.18 Railroad / ICC Coordination			1.19 QA/QC			1.20 Administration and Management											
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Director	86.00	11	12.79%	11.00	40	33.33%	28.67	38	20.77%	17.86									
Principal	86.00																		
Senior Project Manager - Tr	78.40				80	66.67%	52.26												
Senior Project Manager - Cd	79.30																		
Senior Project Manager - W	69.49																		
Senior Project Manager - Su	64.51																		
Senior Project Manager - Er	86.00																		
Project Manager I - Environ	51.87																		
Project Manager I - Survey	44.61																		
Project Manager II - NR	67.56																		
Senior Project Engineer	56.04																		
Senior Project Engineer - Tr	61.92	25	29.07%	18.00				103	56.28%	34.85									
Project Engineer I	47.02	18	20.93%	9.84				19	10.38%	4.88									
Engineer II	39.68	24	27.91%	11.07				15	8.20%	3.25									
Engineer I	38.13																		
Design Technician III	49.29	8	9.30%	4.58															
Project Scientist II	47.34																		
Project Scientist I	42.40																		
Scientist III	36.06																		
Survey Crew	42.65																		
Project Surveyor II	42.80																		
Project Surveyor I	31.49																		
Project Coordinator	25.36							8	4.37%	1.11									
TOTALS		86.0	100%	\$54.50	120.0	100%	\$80.93	183.0	100%	\$61.95	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

**Rollins Road Phase I Study
Grand Avenue to Washington Avenue
Lake County, IL
Section No. 22-00116-09-WR
Summary of V3 Manhours**

TASK	MANHOURS										TOTAL V3 Hours
	Proj Director	Project Manager	Project Engineer	Design Engineer	CAD Tech	Project Scientist	Scientist	Survey Field	Survey Tech	Project Coordinator	
1.1 Topographic Survey											
Survey set-up tasks, review of existing control data, review of survey data collected.		24									24
Locate and calibrate control data in field							120				120
Set vertical and horizontal controls							80				80
Perform topographic survey and take cross sections along Rollins Road and side roads							200				200
Drainage structure survey (inverts, pipe size)							160				160
Topographic survey in heavily vegetated areas							160				160
Miscellaneous follow-up survey							80				80
Office work to process data files and create topographic mapping					240						240
	0	24	0	0	240	0	0	800	0	0	1064
1.2 Right-of-Way Verification											
PLS Boundary Analysis & ROW Calc		120					60				180
Review & CAD calc of 100 title commitments								125			125
CAD Import & Drafting								24			24
	0	120	0	0	0	0	0	60	149	0	329
1.3 Data Collection, Review, & Mosaics											
Conduct site visit with design staff (including drainage staff)	4	8	16	8							36
Obtain as-built plans, aerial photography, accident data, traffic data, contour mapping, ROW plats, geotech coordination, etc Create Aerial Mosaics.	4	8	8	4	8						32
Obtain FIRM and NWI mapping. Obtain USGS atlases and soil information for entire watershed. Send out data requests to FEMA, Fox Lake, and Lake County.		16									16
	8	32	24	12	8	0	0	0	0	0	84
1.4 Environmental Due Diligence											
Threatened & Endnagered Species Consultation with IDNR &USFWS, Plus Preparing and Submitting Cultural Consultation with SHPO	1	2				8					11
Bat Habitat Assessment (Identify, assess, and survey locate any identified bat tree's between 3" and 5" DBH)	1	2				16	20				39
	2	4	0	0	0	24	20	0	0	0	50
1.5 Traffic & Crash Analysis Evaluation											
Traffic Analysis Evaluation											
Develop 2050 Peak Hour Traffic Volumes			4	2							6
Perform HCS Analyses for Peak Hour Traffic		4		50							54
Preparation of Existing/Future Traffic Exhibits	2			24							26
Perform Signal Warrant Analysis at Sayton Road	2	4		8							14
Crash Analysis Evaluation											
Crash Analysis (including summary tables and collision diagrams for entire corridor)		4		40						16	60
Safety Countermeasures		4		36							40

**Rollins Road Phase I Study
Grand Avenue to Washington Avenue
Lake County, IL
Section No. 22-00116-09-WR
Summary of V3 Manhours**

TASK	MANHOURS										TOTAL V3 Hours
	Proj Director	Project Manager	Project Engineer	Design Engineer	CAD Tech	Project Scientist	Scientist	Survey Field	Survey Tech	Project Coordinator	
	4	16	4	160	0	0	0	0	0	16	200
1.6 Intersection Design Studies											
Prepare Preliminary IDS's (assume 3 intersections)	4	8	8	80	8						108
Pre-Final IDS revisions	4	4	6	24							38
Final IDS revisions		2	4	6							12
	8	14	18	110	8	0	0	0	0	0	158
1.7 Geometric Design Studies											
Design Criteria Table		2	4								6
3D Model Template set-up			24								24
Develop and refine typical roadway sections (including side roads)	2	8	16	40							66
Develop and refine horizontal geometrics (including side roads)	2	16	120								138
Develop and refine vertical geometrics (including side roads)	2	16	120								138
ADA Conceptual Grading to determine ROW impacts	2	4	8	24							38
Cross section studies to evaluate horizontal and vertical geometrics relative to right of way impacts, drainage requirements, utilities and impacts to driveways and side roads.	8	32	200								240
	16	78	492	64	0	0	0	0	0	0	650
1.8 Wetland Delineation & Pre-Jurisdictional Determination											
Wetland Delineation, Assessment, Fieldwork, & Staking	2	8				40	24				74
Wetland Assessment and Delineation Report	2	8				10	6			2	28
Survey Locate of Wetlands/Waters and 3" to 5" DBH Identified Bat Trees		4					10				14
Wetland Project Meetings, Coordination, & Permit Scoping	6	10				8					24
Wetland Preliminary Jurisdictional Determination Forms and Request to SMC	2	2				6	4				14
	12	32	0	0	0	64	44	0	0	2	154
1.9 Tree Survey Summary											
Tree Identification Fieldwork (Locating, Tagging, Measuring, & Assessment of 6 inch DBH and Above trees-Also includes Bat Habitat Assessment for Trees 3 inches and above)		4				48	60				112
Summary Table Preparation		2				12					14
	0	6	0	0	0	60	60	0	0	0	126
1.10 Special Waste Assessments											
PESA Report Preparation & Site Visit		25				80				8	113
	0	25	0	0	0	80	0	0	0	8	113
1.11 Section 4(f) Evaluation (If Necessary)											
Section 4(f) Evaluation Report & Exhibits		8	8	40						8	64
Section 4(f) Coordination	4	4									8
	4	12	8	40	0	0	0	0	0	8	72
1.12 Floodplain Modeling & Permitting											
Existing Conditions Analyses		2	8								10
Proposed Conditions Analyses		8	72	42							122
Preparation of Hydraulic Reports and Permit Documents		8	60	40						30	138

**Rollins Road Phase I Study
Grand Avenue to Washington Avenue
Lake County, IL
Section No. 22-00116-09-WR
Summary of V3 Manhours**

TASK	MANHOURS										TOTAL V3 Hours
	Proj Director	Project Manager	Project Engineer	Design Engineer	CAD Tech	Project Scientist	Scientist	Survey Field	Survey Tech	Project Coordinator	
	0	18	140	82	0	0	0	0	0	30	270
1.13 Roadway Drainage Design											
Location Drainage Study											
Create Existing Conditions Drainage Plan			56	16							72
Identify Drainage Problems		4	12	12							28
Outlet Evaluation		7	49								56
Stormwater Detention Analysis (For 14 outlet locations)		8	100	80							188
Design Criteria and Drainage Alternatives		8	24								32
Create Proposed Conditions Drainage Plan		8	100	60							168
Floodplain Encroachment Evaluation											0
Prepare Lake County Stormwater Report and Application		8	24	8							40
Assembly of Pre-final and Final Studies										16	16
	0	43	365	176	0	0	0	0	0	16	600
1.14 Utility & Subsurface Utility Engineering (SUE) Level B Coordination											
Utility Coordination											
Letter & Plans to Utility Companies (utility log set-up, submittals, coordination)		2	4	4						2	12
Identification and potential resolutions to utility conflicts	2	4	16	8							30
Field Meetings (2)	2	4	4	4							14
SUE LEVEL B Coordination											
Review and incorporate SUE Level B information into plans	2	2	8		4						16
	6	12	32	16	4	0	0	0	0	2	72
1.15 Public Involvement											
Compile mailing addresses; create database; mail-merge documents		2								8	10
Prepare exhibits, presentation, and handouts for Public Involvement Activities	16	60	8		40						124
Coordination for Public Involvement Activities (County coord, newspaper ads, etc)	4	8								4	16
Coordination meetings with individual property owners (10 assumed)	20	20									40
Open House Public Meeting (incl travel time, set-up, 2 dry-runs, & attendance)	8	20	8								36
Summary & Addressing Public Comments	8	24	16							4	52
	56	134	32	0	40	0	0	0	0	16	278
1.16 Project Development Report											
Typical Section Exhibits (assume 4 sheets)		4	12	24	8						48
Plan and Profile Exhibits (assume 25 sheets)	4	4	24	56	8						96
Other Exhibits (location map, vicinity map, etc)				24	8						32
Construction Cost Estimate	2	12	32	30							76
Pre-Final Project Development Report & Revisions	4	56	24							8	92
Final Project Development Report Revisions	2	12	12	18						4	48
Structural Engineering Coordination											
Culvert Evaluation (existing & proposed conditions)		4	12								16

**Rollins Road Phase I Study
Grand Avenue to Washington Avenue
Lake County, IL
Section No. 22-00116-09-WR
Summary of V3 Manhours**

TASK	MANHOURS										TOTAL V3 Hours	
	Proj Director	Project Manager	Project Engineer	Design Engineer	CAD Tech	Project Scientist	Scientist	Survey Field	Survey Tech	Project Coordinator		
Retaining Wall Type studies			4	12								16
Pavement Analysis & Design												
Field verification			4	4								8
Pavement Design/Memorandum	2	2	12									16
Traffic Management Plan												
One MOT concept evaluation	4	8	56									68
MOT exhibits, report documentation	2		12	4	8							26
	20	110	212	156	32	0	0	0	0	12		542
1.17 Agency Meetings/Coordination												
Project kick off meeting with Lake County	2	4										6
Project kick off meeting with Fox Lake	2	4										6
Geometric Studies / IDS Review meetings with Fox Lake, LCDOT, IDOT (assume 3 total)	6	4	4									14
Coordination meetings with Lake County SMC (assumes 2 total)	4	4	4									12
Prepare exhibits/meeting minutes for meetings	4	12	36	12	8							72
	18	28	44	12	8	0	0	0	0	0		110
1.18 Railroad / ICC Coordination												
Project kick off meeting with Metra/Watco	4	4	12									20
Coordination meetings with Metra/Watco (assume 3 total - virtual)	3	3	6									12
Prepare exhibits/meeting minutes for meetings	4	18		24	8							54
	11	25	18	24	8	0	0	0	0	0		86
1.19 QA/QC												
Hours required for reviews of various stages of Phase I and components of design.	40	80										120
	40	80	0	0	0	0	0	0	0	0		120
1.20 Administration and Management												
Prepare project work plan	2	12	4									18
Project administration set up tasks	2	12										14
Project team meetings (assume 15 meetings total)	15	15	15	15								60
Contract administration and budget control (1 hour/week avg for 60 weeks)		60										60
Invoice and billing reviews (includes preparation of progress reports for Lake County) for 15 billing periods	15											15
Prepare subconsultants agreements	4	4									8	16
	38	103	19	15	0	0	0	0	0	0	8	183
TOTAL HOURS	243	916	1408	867	348	228	124	860	149	118		5261

**EXHIBIT C
V3 DIRECT COSTS SUMMARY**

PROJECT: Rollins Road: Grand Avenue to Washington Avenue

**All fees related to permitting are not included under Direct Costs. The fees shall be paid for by the Lake County Division of Transportation*

TASK	QTY	UNIT COST UNIT	Other Miscellaneous Expense UNIT COST TOTAL		Travel		Mailables, Exhibits, Copies					TOTAL DIRECT EXPENSES		
					Miles	Mileage Cost	Postage	Pages (Sheets) per submittal	8.5" X 11" (Black & White)	8.5" X 11" (Color)	11" X 17" (Black & White)		11" X 17" (Color)	22" X 34" (Color Boards)
						\$ 0.66 Per Mile	\$ 0.50		\$ 0.06 Each	\$ 0.60 Each	\$ 0.20 Each		\$ 1.00 Each	\$ 10.00 6 S.F.
1.1 TOPOGRAPHIC SURVEY												\$ 13,695.00		
Survey Crew - 10 days at 106 miles (roundtrip from Woodridge)	10	VISIT(S)			1060	\$ 694.83						\$ 694.83		
Railroad Flagger	8	DAY(S)	\$ 1,500.00	\$ 12,000.00								\$ 12,000.00		
Railroad Flagger Application	1	EACH	\$ 1,000.00	\$ 1,000.00								\$ 1,000.00		
1.2 RIGHT-OF-WAY VERIFICATION												\$ 60,000.00		
Title Commitments (\$600 per PIN)	100	PINS	\$ 600.00	\$ 60,000.00								\$ 60,000.00		
1.3 DATA COLLECTION, REVIEW, & MOSAICS												\$ 210.00		
Field visits at 106 miles (roundtrip from Woodridge)	3	VISIT(S)			318	\$ 208.45						\$ 208.45		
1.4 ENVIRONMENTAL DUE DILIGENCE												\$ 340.00		
Field visits at 106 miles (roundtrip from Woodridge)	2	VISIT(S)			212	\$ 138.97						\$ 138.97		
EcoCat Fee	1	App Fee	200	\$ 200.00								\$ 200.00		
1.5 TRAFFIC ANALYSIS & CRASH ANALYSIS EVALUATION												\$ 35,400.00		
Traffic Counts (\$17,700 each count)	2	EACH	\$ 17,700.00	\$ 35,400.00								\$ 35,400.00		
1.8 WETLAND DELINEATION/PRE-JD MEETINGS												\$ 280.00		
Wetland Delineation Field Work (2 days; initial & update)	2	VISIT(S)			212	\$ 138.97						\$ 138.97		
USACE Pre-JD Field Meeting	1	VISIT(S)			106	\$ 69.48						\$ 69.48		
Lake County SMC Pre-JD Field Meeting	1	VISIT(S)			106	\$ 69.48						\$ 69.48		
1.9 TREE SURVEY SUMMARY												\$ 350.00		
Arborist - 5 days at 106 miles (roundtrip from Woodridge)	5	VISIT(S)			530	\$ 347.42						\$ 347.42		
1.7 SPECIAL WASTE ASSESSMENTS												\$ 500.00		
PESA Report & FOIA Fees	1	L. SUM	\$ 500.00	\$ 500.00								\$ 500.00		
1.8 SECTION 4(f) EVALUATIONS												\$ 100.00		
Section 4(f) evaluation Report & Exhibits (2 submittals)	2	EACH					50	\$ 6.00		\$ 20.00		\$ 26.00		
Coordination Meeting	1	VISIT(S)			106	\$ 69.48						\$ 69.48		
1.9 FLOODPLAIN MODELING & PERMITTING												\$ 140.00		
Stormwater Management Report	2	HARD COPIES					200	\$ 14.40	\$ 48.00	\$ 80.00		\$ 142.40		
1.14 UTILITY & SUE LEVEL B COORDINATION												\$ 140.00		
Field Meetings (2)	2	VISIT(S)			212	\$ 138.97						\$ 138.97		
1.15 PUBLIC INVOLVEMENT												\$ 1,230.00		
Letters & Exhibits to Stakeholders (2mtgs @ 150 Mailables)	300	MAILERS					3	\$ 540.00		\$ 300.00		\$ 840.00		
Public Meeting (open house and 2 in-person dry runs)	3	VISIT(S)			318	\$ 208.45						\$ 208.45		
Board Exhibits each meetings (12 boards total, including copies)	1	MEETING(S)					12			\$ 120.00		\$ 120.00		
Handouts & Comment Forms at each activity	2	MEETING(S)					50	\$ 60.00				\$ 60.00		
1.16 PROJECT DEVELOPMENT REPORT												\$ 430.00		
PER Report & Exhibits (2 Submittals to LCDOT & Village)	4	HARD COPIES					300	\$ 43.20	\$ 144.00	\$ 240.00		\$ 427.20		

**EXHIBIT C
V3 DIRECT COSTS SUMMARY**

PROJECT: Rollins Road: Grand Avenue to Washington Avenue

**All fees related to permitting are not included under Direct Costs. The fees shall be paid for by the Lake County Division of Transportation*

TASK	QTY	UNIT COST UNIT	Other Miscellaneous Expense UNIT COST TOTAL		Travel		Postage	Pages (Sheets) per submittal	Mailers, Exhibits, Copies					TOTAL DIRECT EXPENSES
					Miles	Mileage Cost			8.5" X 11" (Black & White)	8.5" X 11" (Color)	11" X 17" (Black & White)	11" X 17" (Color)	22" X 34" (Color Boards)	
						\$ 0.66 Per Mile			\$ 0.50	\$ 0.06 Each	\$ 0.60 Each	\$ 0.20 Each	\$ 1.00 Each	
1.17 AGENCY MEETINGS / COORDINATION														\$ 490.00
<i>LCDOT (PH I Kick-off)</i>	1	VISIT(S)			106	\$ 69.48								\$ 69.48
<i>Local Agencies</i>	4	VISIT(S)			424	\$ 277.93								\$ 277.93
<i>Others (as necessary)</i>	2	VISIT(S)			212	\$ 138.97								\$ 138.97
1.20 QA/QC														\$ 150.00
<i>Project Development Report Review</i>	1	HARD COPIES						300	\$ 6.00	\$ 90.00		\$ 50.00		\$ 146.00

Total Est. Miles
3922

\$ 109,100.00	\$ 2,570.00	\$ 1,785.00	\$ 113,455.00
TOTAL OTHER EXPENSES	TRAVEL COSTS	TOTAL MAILERS, EXHIBITS, AND COPIES COST	TOTAL DIRECT EXPENSES

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	V3 Companies	Lake	22-00116-09-WR

EXHIBIT D
Sub-Consultants Scope and Fees

SEE ATTACHED.

Quality Counts - Traffic Data Collection
TSC - Geotech
SAM - Subsurface Utility Engineering

ESTIMATE



DET:IL

BILL TO : V3 Companies
 7325 Janes Avenue
 Woodridge,IL 60517
 (630) 724-9200

CLIENT PROJECT # :

ESTIMATE DATE : 5/19/2023

ORDER DATE : 5/18/2023

ORDER No	PROJECT NAME	PAYMENT TERMS	ORDER BY
162261	Rollins Rd Summer Counts	PWP	Elora Hsu

QTY	DESCRIPTION	RATE	TOTAL
5	Standard-Turn Count	\$840.00	\$4,200.00
	5 Location(s) for time period(s): 6:00 AM -- 8:00 PM-(Midweek) - 14 Hrs.		
	-Rollins Rd -- Grand Ave, Fox Lake, IL		
	-Sayton Rd -- Rollins Rd, Fox Lake, IL		
	-Devlin Rd -- Rollins Rd, Fox Lake, IL		
	-Jefferson St -- Rollins Rd, Fox Lake, IL		
	-Washington St -- Rollins Rd, Fox Lake, IL		
18	Side road - Directional Ins & Outs-Turn Count	\$750.00	\$13,500.00
	18 Location(s) for time period(s): 6:00 AM -- 8:00 PM-(Midweek) - 14 Hrs.		
	-Rollins Rd -- Metra Station Access/Shopping Center Dwy, Fox Lake, IL		
	-Rollins Rd -- Park Dwy, Fox Lake, IL		
	-Rollins Rd -- Fox Lake Cinema Dwy, Fox Lake, IL		
	-Rollins Rd -- Laundromat Dwy, Fox Lake, IL		
	-Rollins Rd -- S Holly Ave, Fox Lake, IL		
	-Hillside Dr -- Rollins Rd, Fox Lake, IL		
	-Rose Ave -- Rollins Rd, Fox Lake, IL		
	-Ridgeland Ave -- Rollins Rd, Fox Lake, IL		
	-Woodland Ave -- Rollins Rd, Fox Lake, IL		
	-Hillcrest Ave -- Rollins Rd, Fox Lake, IL		
	-Highview Ave -- Rollins Rd, Fox Lake, IL		
	-S Maple Ave -- Rollins Rd, Fox Lake, IL		
	-Hickory Ave -- Rollins Rd, Fox Lake, IL		
	-Elm Ave -- Rollins Rd, Fox Lake, IL		
	-Rainier Wy -- Rollins Rd, Fox Lake, IL		
	-Adams Ave -- Rollins Rd, Fox Lake, IL		
	-Mobil Dwy -- Rollins Rd, Fox Lake, IL		
	-Alley Access Dwy -- Rollins Rd, Fox Lake, IL		
	TOTAL		\$17,700.00

Balances unpaid by end of Payment term (listed above) will be charged 1.5% interest per month

Quality Counts, LLC
15615 SW 74th Ave #100
Tigard, OR 97224
(877) 580-2212
qualitycounts.net

ESTIMATE



DET:IL

BILL TO : V3 Companies
 7325 Janes Avenue
 Woodridge,IL 60517
 (630) 724-9200

CLIENT PROJECT # :

ESTIMATE DATE : 5/19/2023

ORDER DATE : 5/18/2023

ORDER No	PROJECT NAME	PAYMENT TERMS	ORDER BY
162262	Rollins Rd Off-Peak Counts	PWP	Elora Hsu

QTY	DESCRIPTION	RATE	TOTAL
5	Standard-Turn Count	\$840.00	\$4,200.00
	5 Location(s) for time period(s): 6:00 AM -- 8:00 PM-(Midweek) - 14 Hrs.		
	-Rollins Rd -- Grand Ave, Fox Lake, IL		
	-Sayton Rd -- Rollins Rd, Fox Lake, IL		
	-Devlin Rd -- Rollins Rd, Fox Lake, IL		
	-Jefferson St -- Rollins Rd, Fox Lake, IL		
	-Washington St -- Rollins Rd, Fox Lake, IL		
18	Side road - Directional Ins & Outs-Turn Count	\$750.00	\$13,500.00
	18 Location(s) for time period(s): 6:00 AM -- 8:00 PM-(Midweek) - 14 Hrs.		
	-Rollins Rd -- Metra Station Access/Shopping Center Dwy, Fox Lake, IL		
	-Rollins Rd -- Park Dwy, Fox Lake, IL		
	-Rollins Rd -- Fox Lake Cinema Dwy, Fox Lake, IL		
	-Rollins Rd -- Laundromat Dwy, Fox Lake, IL		
	-Rollins Rd -- S Holly Ave, Fox Lake, IL		
	-Hillside Dr -- Rollins Rd, Fox Lake, IL		
	-Rose Ave -- Rollins Rd, Fox Lake, IL		
	-Ridgeland Ave -- Rollins Rd, Fox Lake, IL		
	-Woodland Ave -- Rollins Rd, Fox Lake, IL		
	-Hillcrest Ave -- Rollins Rd, Fox Lake, IL		
	-Highview Ave -- Rollins Rd, Fox Lake, IL		
	-S Maple Ave -- Rollins Rd, Fox Lake, IL		
	-Hickory Ave -- Rollins Rd, Fox Lake, IL		
	-Elm Ave -- Rollins Rd, Fox Lake, IL		
	-Rainier Wy -- Rollins Rd, Fox Lake, IL		
	-Adams Ave -- Rollins Rd, Fox Lake, IL		
	-Mobil Dwy -- Rollins Rd, Fox Lake, IL		
	-Alley Access Dwy -- Rollins Rd, Fox Lake, IL		
	TOTAL		\$17,700.00

Balances unpaid by end of Payment term (listed above) will be charged 1.5% interest per month

Quality Counts, LLC
15615 SW 74th Ave #100
Tigard, OR 97224
(877) 580-2212
qualitycounts.net



Delivery Method: Via Email: kcorrigan@v3co.com

June 15, 2023

Kurt Corrigan, P.E.
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517

**RE: Subsurface Utility Investigation
LCDOT Rollins Road – Grand to Washington, Fox Lake, IL
Project Number: 1023079859**

Kurt:

Surveying And Mapping, LLC (SAM) is pleased to provide this proposal for Subsurface Utility Investigation services for the Rollins Road – Grand to Washington project in Fox Lake, IL.

After you have reviewed the attached proposed Scope of Services and associated fees, please do not hesitate to call if you have any questions or comments. Again, thank you for the opportunity to be of service. We are looking forward to working with you on this important project.

Sincerely,

Surveying And Mapping, LLC.

Garret Stapp, P.E.
Senior Project Manager
(p) 214-635-0302
(c) 469-834-2803

Attachments:

- Proposal
- A. Site Map
- B. Standard Rate Schedule
- C. Standard Terms and Conditions

SAM COMPANIES

890 Cambridge Dr / Elk Grove Village, IL 60007
224-404-1300 Office

sam.biz



1.0 Project Description

SAM proposes to provide Subsurface Utility Engineering (SUE) services in an attempt to identify water, sanitary sewer, storm sewer, gas, petroleum pipelines, telephone, fiber optics, cable TV, and electrical utilities (hereafter referred to as underground utilities). SAM will provide QL-B within the red outlined area shown on Attachment A.

The proposed Rollins Road – Grand to Washington LCDOT project limits include the area from the intersection of Rollins Road and Washington Street (Southernmost limit) North to the intersection of Rollins Road and Grand Avenue (Northernmost limit) including the area bordered by fifty (50) feet beyond both ROW's. Additionally, including Rollins Road North along Devlin Road and Route 59 to four hundred (400) feet past the intersections. All side streets and intersections along Rollins Road, Devlin Road, and Route 59 are included within the scope up to four hundred (400) feet from the edge of pavement of the respective road.

The work will be conducted in accordance with the Construction Institute (CI)/American Society of Civil Engineers (ASCE) Standard 38-22, *Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data*. This document is the standard upon which SUE is conducted, defining the service as:

A branch of engineering practice that involves managing certain risks associated with: utility mapping at appropriate quality levels, utility coordination, utility relocation design and coordination, utility condition assessment, communication of utility data to certain parties, utility relocation cost estimates, implementation of utility accommodation policies, and utility design.

2.0 Scope of Services

The proposed scope of services includes:

2.1 Records Research - Quality Level D

Conducting utility records research to assist in identifying utility owners that may have facilities on, or be affected by, the project. Applicable utility owner records will be collected. Designating staff will review records for indications of additional available records, duplicate information, and a need for clarifications by utility owners.

2.2 Incorporate above ground features - Quality Level C

Identifying surface features on the topographic plan and ground surface that are surface appurtenances of existing subsurface utilities. If records and features do not agree, further record review and field reconnaissance will be undertaken to resolve discrepancies. Work will incorporate Quality Level D findings.

2.3 Designating and Marking - Quality Level B

SAM staff will utilize the suite of geophysical equipment in each vehicle to attempt to designate the utilities identified in the Project Description within the area(s) of interest. Quality Level B services for this project include:

- Utilizing normal traffic control, including standard placement of traffic cones, freestanding warning signage and vehicle-mounted traffic directional sign.
- Designating and marking underground utilities within the project limits using an appropriate suite of surface geophysical methods. Typical equipment utilized includes:
 - Radiodetection - RD8100 and Metrotech Vivax VM 810 & vLocML Cable and Pipe Locator
 - GPR - Single and/or Dual Frequency



- Magnetic locators
- Rodders, Sondes (transmitters) and Receivers for non-conductive utility detection
- Marking the utilities at maximum 50 foot intervals and at changes in direction.
- Marking each utility run with the appropriate surveying code and number for each mark. This will be noted on the field sketch for use by the surveyor and our quality control staff.
- Surveying markings that indicate the presence of a utility. Horizontal data will be held to the accuracies and precision dictated by the project's survey control.
- Plotting survey data on base plans provided by client using MicroStation.
- Providing a deliverable in compliance with LCDOT CAD standards of surveyed utilities shown in plan view using the approved color codes for found utilities in accordance with CI/ASCE Standard 38-22.

3.0 Cost Proposal

SAM, LLC proposes a maximum of **\$75,000.00 of effort on a time and materials basis to perform the work described above or priority areas to be within the given budget. SAM does not guarantee the full scope of work can be completed at this fee.** The cost breakdown is provided in **Table 1** below.

Table 1
Cost Breakdown

Task	Total
SUE - Quality Level B	\$75,000.00

This cost estimate is based on our current understanding described in the project description, the scope of services, and the assumptions listed below. In the event these items change in the course of this project, the SAM project manager will be in touch concerning changes to the project cost and schedule.

4.0 Assumptions

Proposal

- This proposal is valid for a period of 90 days.

Required by Client

- Access
 - Client will provide complete access to the project site between the hours of 7:00 a.m. and 5:30 p.m. This is inclusive of sidewalks in front of businesses and private residences and curbside parking on either side of the road.
- Notification and Coordination
 - Client will notify local property owners of the work activities and schedule.
 - Client will facilitate coordination with the site owners to the extent required.
- Records
 - To the extent available, client will provide copies of available records for existing facilities and improvements prior to commencement of work.



- To the extent available, client will provide CAD file of all survey information including previously found utilities, topographic features and survey control prior to the commencement of work.
- Work Permits, Entry, and Training
 - Client will facilitate work, excavation permits and entry forms to the extent required by the project.
 - Project specific training will not be required.
 - Confined space entry is not required.
- Safety
 - Client will facilitate safe access for vehicles, equipment, and personnel.

Traffic Control

- Traffic control requiring lane closures, traffic detouring, flag persons, police, etc., is considered special traffic control and is not included in this scope of services. SAM assumes traffic control will not be required for QL-B.

Railroad Flagging

- SAM assumes up to 5 days of railroad flagging will be required for QL-B.

Weather:

- SAM will notify the client of any weather issues that may impede or delay the investigation.

Quality Level B Services

- General Scope of Work:
 - Unless requested, utilities designated will not include: non-accessible empty conduits or empty utilities, irrigation, fountain or sprinkler systems, underground storage tanks and associated piping/ wiring., traffic loop detectors, utility tunnels, traffic control/signalization related power and communications, illumination wiring, railroad signalization, grounding grids, grease traps and associated piping, septic tanks and distribution boxes, drain fields or abandoned wells.
- Production Rate
 - **This fee is based on an assumed production of up to 10 days with a 2-person crew in the field for QL-B. If this production cannot be met due to access issues, utility congestion, weather, or any other reason outside of SAM's control, SAM will notify the client and discuss the possibility of a change order.**
 - Any additional mobilization due to local, state, or federal restrictions or mandated beyond SAM's control related to the COVID-19 crisis will be billed on a time and materials basis.
- Limits of Technology:
 - The scope of services is limited to the extent of the technology utilized. Non-metallic piping, inactive electric and/or communication lines may or may not be found. SAM will not be responsible for omission of utility information that is not obtainable via electromagnetic, sonic, or acoustical designating services.
 - The accuracy of subsurface data can be influenced by factors beyond our control such as conductivity of materials and their surroundings, soil moisture content, proximity of other underground utilities or structures, depth of utility, etc. Therefore, physical verification (through vacuum excavation or otherwise) is the only subsurface utility data that is collected to applicable engineering and/or surveying standards.



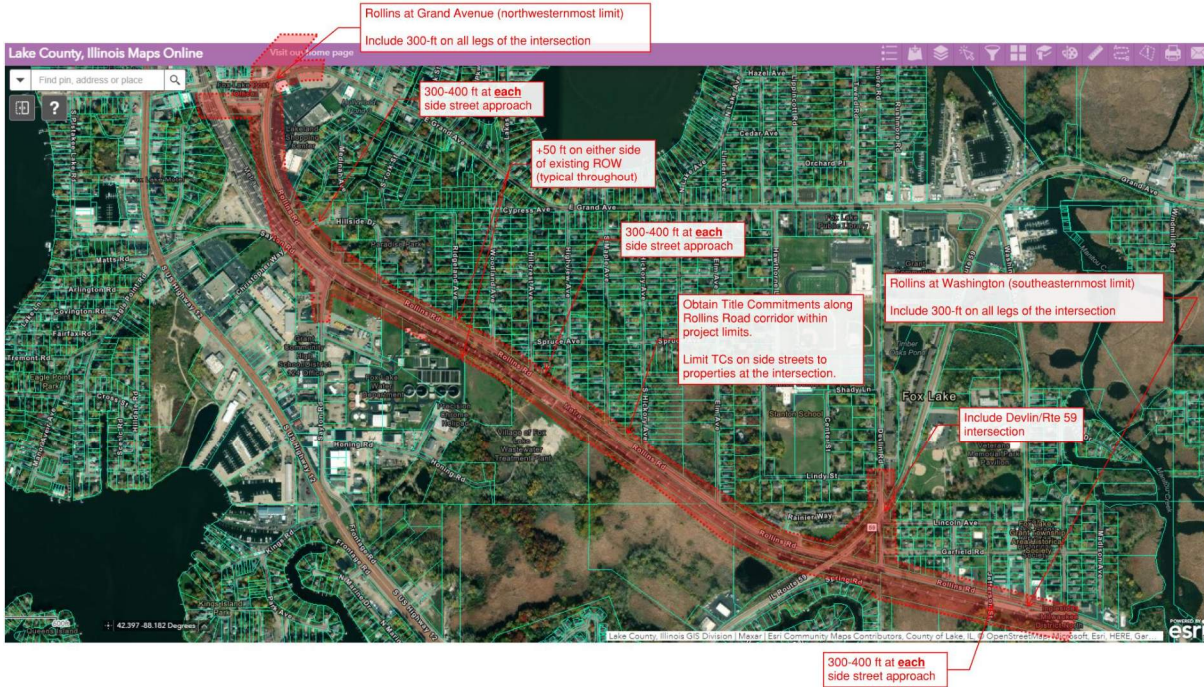
- Other surface geophysical methods, such as terrain conductivity and point to source transmitters can be used, as appropriate. These techniques, although typically involving extra expense, can further refine the utility model. Generally, these extra refinements are not cost effective, and SAM, LLC will not apply these techniques without authorization of the client. However, SAM, LLC can recommend appropriate techniques on a case-by-case basis.
- Work Product/ Deliverables:
 - Record information utilized to create digital line work is placed in accordance with professional judgement as a best fit alignment. In doing this the owner should be aware of the inaccuracies that may accompany these decisions.
 - Paint markings placed on the ground by SAM are to be used for design purposes only and not for construction. The use of this information does not relieve any contractor or the Client from the duty to comply with applicable utility damage prevention laws and regulations, including, but not limited to, providing notification to utility owners or One-Call centers before excavation.

5.0 Schedule of Services

Based on a written agreement and notice to proceed, we will mobilize within 14 days and complete the Quality Level B work in a safe and efficient manner working 7:00 a.m. to 5:30 p.m. Monday - Friday pending no weather delays or conditions beyond our control. SAM, LLC will submit the deliverable drawings and CAD file within 14 days upon the final collection of field data. Weather will be paramount to the success of a geophysical investigation and changing weather conditions may elongate the schedule of services. The project manager for SAM will keep the client apprised of the progress and any delays that occur.

ATTACHMENT A SITE MAP

EXHIBIT 1 SURVEY LIMITS ROLLINS ROAD - GRAND AVENUE TO WASHINGTON AVENUE





ATTACHMENT B
STANDARD RATE SCHEDULE



STANDARD RATE SCHEDULE
ST. LOUIS 2023

Effective January 2023

SURVEY OFFICE PERSONNEL RATES:

Office/Department Manager	\$285.00 per hour
Senior Project Manager	\$250.00 per hour
Project Manager	\$220.00 per hour
Staff Surveyor	\$180.00 per hour
Phase Manager	\$150.00 per hour
Project Coordinator	\$135.00 per hour
Senior Office Technician	\$120.00 per hour
Office Technician	\$110.00 per hour
Project Specialist	\$115.00 per hour
Administration / Clerical Support	\$100.00 per hour

SURVEY FIELD CREW RATES:

Field Ops Manager	\$170.00 per hour
Field Coordinator/Supervisor	\$125.00 per hour
One (1) Person Survey Field Crew	\$125.00 per hour
Two (2) Person Survey Field Crew	\$185.00 per hour
Three (3) Person Survey Field Crew	\$245.00 per hour
Additional Rodperson or Flagperson	\$70.00 per hour

UTILITY ENGINEERING OFFICE PERSONNEL RATES:

Office/Department Manager	\$285.00 per hour
Senior Project Manager	\$230.00 per hour
Project Manager/Senior Engineer	\$210.00 per hour
Staff Engineer	\$200.00 per hour
Phase Manager	\$150.00 per hour
Senior Office Technician	\$130.00 per hour
Office Technician III	\$125.00 per hour
Office Technician II	\$120.00 per hour
Office Technician I	\$115.00 per hour
Senior Utility Coordinator	\$250.00 per hour
Utility Coordinator	\$126.00 per hour
Project Specialist	\$115.00 per hour
Administration/Clerical Support	\$100.00 per hour

UTILITY ENGINEERING FIELD CREW RATES:

Field Ops Manager	\$195.00 per hour
Field Coordinator/Supervisor	\$145.00 per hour
Field Technician III	\$145.00 per hour
Field Technician II	\$140.00 per hour
Field Technician I	\$130.00 per hour



STANDARD RATE SCHEDULE
ST. LOUIS 2023

Effective January 2023

FIBER ENGINEERING PERSONNEL RATES:

Office/Department Manager	\$285.00 per hour
Senior Project Manager	\$225.00 per hour
Project Manager	\$210.00 per hour
Phase Manager	\$150.00 per hour
OSP Engineer III	\$125.00 per hour
OSP Engineer II	\$110.00 per hour
OSP Engineer I	\$100.00 per hour
Drafter	\$115.00 per hour
Project Specialist	\$115.00 per hour
Administration/Clerical Support	\$100.00 per hour

FIBER ENGINEERING FIELD CREW RATES:

Fielder	\$95.00 per hour
OSP Inspector	\$95.00 per hour
Senior OSP Inspector	\$130.00 per hour

GEOSPATIAL OFFICE PERSONNEL RATES:

Director/Operations Manager	\$325.00 per hour
Senior Project Manager	\$265.00 per hour
Acquisition Manager	\$220.00 per hour
Project Manager	\$205.00 per hour
Aircraft Pilot	\$205.00 per hour
UAS Pilot	\$110.00 per hour
Project Lead/Sr. Office Technician/Sensor Op Lead (SR Tech 3)	\$135.00 per hour
Two (2) Person UAS Geo Crew – Unmanned Pilot & Observer	\$215.00 per hour
Two (2) Person UAS Survey Crew – Unmanned Pilot & Observer	\$155.00 per hour
Three (3) Person UAS Crew – Unmanned Pilot & 2 Observers	\$350.00 per hour
Photogrammetrist / Project Lead /sensor operator (Tech3)	\$130.00 per hour
Acquisition / Calibration / Aerial Triangulation Technician (Tech2)	\$115.00 per hour
LiDAR / Photogrammetry/GIS Technician (Tech1)	\$100.00 per hour

GIS OFFICE PERSONNEL RATES:

Director/Operations Manager	\$215.00 per hour
Senior Project Manager	\$160.00 per hour
Project Manager	\$140.00 per hour
GIS Office Technician 1	\$80.00 per hour
GIS Office Technician 2	\$100.00 per hour
Field Coordinator	\$95.00 per hour
GIS Field Technician	\$80.00 per hour
IT/Web Administrator	\$160.00 per hour
Programmer	\$125.00 per hour
Office Administration	\$120.00 per hour



STANDARD RATE SCHEDULE
ST. LOUIS 2023

Effective January 2023

SURVEY EQUIPMENT RATES:

GPS Receiver	\$10.00 per hour
Robotic Total Station S-7	\$20.00 per hour
Robotic Total Station S-9	\$20.00 per hour
SX-10	\$35.00 per hour
Tier 1 HDS Scanner (BLK360 & Faro)	\$33.00 per hour
Tier 2 HDS Scanner RTC 360	\$60.00 per hour
Tier 3 HDS Scanner Leica P20, P40, P50	\$312.00 per hour
Digital Level	\$5.00 per hour
UTV	\$25.00 per hour
Aluminum Boat	\$15.00 per hour
Echo Sounder –Remote Controlled Boat	\$25.00 per hour
Echo Sounder-Sonarmite	\$9.25 per hour
VM810 Survey	\$5.75 per hour
RD8000 Survey	\$11.50 per hour
IKE-IKE4	\$30.00 per hour
Tool Tracking Equipment (Hans Box & Traxall)	\$5.00 per hour
SPAR 300 Kit	\$5.00 per hour
Weather Station	\$6.00 per hour

UTILITY ENGINEERING EQUIPMENT RATES:

GPS Receiver	\$10.00 per hour
Robotic Total Station S-7	\$20.00 per hour
Robotic Total Station S-9	\$20.00 per hour
SX-10	\$35.00 per hour
Digital Level	\$5.00 per hour
UTV	\$25.00 per hour
SPAR 300 Kit	\$5.00 per hour
Vacuum Excavator Truck (Standard)	\$100.00 per hour
Vacuum Excavator Truck (Hybrid)	\$150.00 per hour
Vacuum Excavator Towed Trailer	\$60.00 per hour
Vacuum Excavator (Canister)	\$5.00 per hour
Single Axle Trailer (Compressor/Generator-Towed) IR185	\$17.00 per hour
Magnetometer (EM-61)	\$90.00 per hour
SUE Equipment Package	\$8.00 per hour
Ground Penetrating Radar (GPR-Push Cart)	\$12.50 per hour
GPR Towed (Raptor Towed Array)	\$350.00 per hour
Confined Space Entry Package (CSE)	\$13.00 per hour
All Material Locator (AML PRO)	\$20.00 per hour



STANDARD RATE SCHEDULE
ST. LOUIS 2023

Effective January 2023

FIBER ENGINEERING EQUIPMENT RATES:

Fiber Engineering Equipment Package \$13.50 per hour

GEOSPATIAL EQUIPMENT RATES:

Riegl VQ 1560II	\$1,300.00 per hour
Riegl 480II or 780I	\$1,000.00 per hour
Mobile Mapping System, includes 360° Camera System (Equipment Only)	\$1,000.00 per hour
Mobile Mapping Equipment Stand-by Fee (Equipment Only)	\$200.00 per hour
HDS Laser Scanner	\$100.00 per hour
High Rail Equipped Vehicle	\$10.00 per hour
Weather Station	\$10.00 per hour
FLIR Corona 350 with a Quad Camera Gimbal System	\$300.00 per hour
Oblique HD Camera System – Manned Aircraft	\$30.00 per hour
Video Camera System – Manned Aircraft	\$5.00 per hour
360° Camera System – Terrestrial or Marine Stand Alone	\$100.00 per hour
Helicopter (Turbine Engine Powered)	\$1,450.00 per hour
Helicopter (Reciprocal Engine Powered)	\$850.00 per hour
Fixed Wing Twin Engine (Piston)	\$1,300.00 per hour
Fixed Wing Single Engine (Piston)	\$750.00 per hour
Fixed Wing Single Engine (Turbine)	\$1,400.00 per hour
UAS Autel Devon2 / Mavic / Phantom/ Small Lift TIER 1	\$50.00 per hour
UAS Alta-X / Galaxy / SkyFront Heavy Lift w/ LiDAR TIER 3	\$300.00 per hour
UAS M600 type Inspection Platform TIER 2	\$75.00 per hour
Handheld DSLR Camera	\$50.00 per hour
GPS Receiver (Unmanned)	\$10.00 per hour/\$100.00 per day
Geospatial Work Station	\$15.00 per hour
VRS Network	\$4.20 per hour
UTV	\$10.00 per hour
Additional Vehicle	\$10.00 per hour
Total Station	\$2.85 per hour
SL RAT	\$20.00 per hour
IKE	\$28.00 per hour

Geospatial Equipment Fees:

Manned Aircraft fees are incurred at the per hour rate for mobilization and acquisition with point of origin, Austin, Texas.



STANDARD RATE SCHEDULE
ST. LOUIS 2023

Effective January 2023

OTHER DIRECT RATES:

Lodging/Per Diem*	GSA
Mileage	\$0.93 per mile
Additional Vehicle (plus mileage)	\$20.00 per hour
Environmental Supplies	\$25.00 per day
Recording Fees	At Cost plus 10%
Permitting Fees	At Cost plus 10%
Third-Party Traffic Control	At Cost plus 10%
Metered Water	At Cost plus 10%
Backfill Material	At Cost plus 10%
Spoils Disposal	At Cost plus 10%
Coring	At Cost plus 10%
Document Reproduction	At Cost plus 10%
Records Collection Fees	At Cost plus 10%
All other services not described	At Cost plus 10%

NOTES:

*Per Diem based on GSA rates and may change depending on location and availability of accommodations. This is a general practice and used for estimating purposes.

All holiday, travel, per diem, etc., and all additional items not listed herein shall only be permitted where approved by Company in writing and in advance for any particular project.

Overtime Rates:

The Overtime Rate for Field Survey Personnel shall be computed at 1.5 times the hourly rate in excess of 9 hours per day. The Overtime Rate for Office Survey Personnel shall be computed at 1.5 times the hourly rate in excess of 9 hours per day.

Travel & Subsistence:

All travel and subsistence expenses for personnel are invoiced at GSA Rates or as allowed by the Client contract. Cost of mileage on company-owned vehicles is computed at \$0.93 cents per mile.

Purchased Services:

All purchase services are invoiced at actual cost plus ten percent (10%) administrative fee. These include but are not limited to reproduction, computer time, long distance telephone, consultants, subcontract services, rented or leased equipment, expendable supplies, and project required special supplies.



*STANDARD RATE SCHEDULE
ST. LOUIS 2023*

Effective January 2023

Taxes:

Any state/local sales tax or gross receipts tax, if applicable to the services provided, are in addition to the hourly rates and will be applied on the invoice for services.

Labor Rate Adjustment:

The Schedule of Rates will remain in force for a twelve (12) month period from the effective date of utilization and subject to an escalation on each “twelve (12) month anniversary date” unless otherwise agreed to by Client contract. The escalation rate shall be the most recent 12-month Employment Cost Index (ECI) as published by the United States Department of Labor (DOL), Bureau of Labor Statistics. In no event shall the next twelve (12) month Schedule of Rates be less than the prior period.

Administrative Fee:

A fee equal to five percent of labor will be charged for technology and database management support.



ATTACHMENT C
STANDARD TERMS AND CONDITIONS



STANDARD TERMS AND CONDITIONS (ILLINOIS)

1. Access To Site - Unless otherwise stated, SAM, LLC will have access to the project site for activities necessary for the performance of the services. SAM, LLC will take precautions to minimize damage due to these activities, but has not included in the fee the cost of restoration of any resulting damage.
2. Ownership Of Documents - Client acknowledges that all original papers, documents, maps, surveys, digital data and other work product and copies thereof, produced by SAM, LLC pursuant to this Agreement shall remain the property of SAM, LLC, except documents which are to be filed with public agencies. Client further acknowledges that Client's right to utilize the services and work product performed pursuant to this Agreement will continue only so long as Client is not in default pursuant to the terms and conditions of this Agreement and Client has performed all obligations under this Agreement.
3. Copyright - The parties hereto agree that all protections of the United States and Texas state copyright laws shall be applicable to the work product to the benefit of SAM, LLC, including common law and statutory law, whether or not any copyright for such work product actually is registered, and without regard to whether or not such copyright actually applies to such work product.
4. Invoices - Invoices for fees and all other charges will be submitted monthly for all services rendered as the work progresses, and the net amount shall be due and payable as of the date of the invoice at SAM, LLC's office in Austin, Travis County, Texas.
5. Client's Obligation to Pay - Client's obligation to pay is solely that of Client, and the acts or omissions of any third party shall not affect that obligation. All sums due and not received shall be construed as past due. To cover the costs of collection, all past-due amounts will incur a late charge of one and one-half percent (1 ½ %) per month until paid. The Client shall pay all attorney's fees or court costs incurred by SAM, LLC in collecting any past-due amounts. In the event that Client fails to pay SAM, LLC within thirty (30) days after invoices are rendered, then Client agrees that SAM, LLC shall have the right to stop or suspend work and consider the non-payment as grounds for a total breach of this Agreement.
6. Termination Of Services - This Agreement may be terminated by either party upon five (5) days' written notice, by mutual consent or in the event of persistent failures of performance of material terms and conditions of this Agreement by the other party through no fault of the terminating party. SAM, LLC shall then be paid for the services completed up to the time of the termination date based upon the attached Rate Schedule.
7. Dispute Resolution - If a dispute arises out of or in connection with or relation to this Agreement, the parties shall endeavor reasonably to settle the dispute through direct discussions. If a dispute is not resolved through direct discussions, claims or disputes in connection with the services provided under this Agreement between Client and SAM, LLC shall be submitted to non-binding mediation in Austin, Travis County, Texas. In the event non-binding mediation does not result in resolution of the claim or dispute, the dispute shall be resolved by litigation in the courts of the state in which the services are performed, and the parties hereby consent and submit to exclusive venue in, and the exclusive jurisdiction of, such courts and waive all rights to proceed in any other venue or jurisdiction. Client and SAM, LLC agree to include a similar dispute resolution agreement with all contractors, subcontractors, subconsultants, suppliers and fabricators, thereby providing for mediation as the primary method for dispute resolution between all parties. The substantially prevailing party in any litigation arising out of or relating to this Agreement shall be entitled to recover from the other party reasonable attorneys' fees, costs, and expenses incurred by the prevailing party.
8. Governing Law - This Agreement shall be construed and enforced in accordance with the laws of Illinois.
9. Indemnification - The Client shall, to the fullest extent permitted by law, indemnify and hold harmless SAM, LLC, its officers, directors, members, managers, employees, agents, insurers and subconsultants (collectively "SAM



Parties”) from and against all damages, liabilities, penalties, fees, claims, suits and costs, including reasonable attorney's fees and defense costs, arising out of or in any way connected with the performance by any of the SAM Parties of the services under this Agreement, excepting only those damages, liabilities or costs attributable to the sole negligence or willful misconduct of SAM, LLC.

- 10. Limitation Of Liability - In recognition of the relative risks, rewards and benefits of the project to both the Client and SAM, LLC, the risks have been allocated such that the Client agrees that, to the fullest extent permitted by law, total liability to the Client for any and all injuries, claims, suits, costs, liabilities, fees, losses, expenses, penalties, fines, damages or claim expenses arising out of this Agreement from any cause or causes shall not exceed the total fee paid by the Client to SAM, LLC, excluding any sales tax, for the services rendered. Such causes include, but are not limited to, SAM, LLC's negligence, errors, omissions, strict liability, breach of contract or breach of warranty. Except for the indemnification provisions provided herein, neither party shall be liable to the other for consequential, incidental, indirect, punitive or special damages (including loss of profits, data, business or goodwill), regardless of the legal theory advanced or of any notice given as to the likelihood of such damages.
- 11. Authority - Client affirmatively represents and states that he/she is authorized to enter into this Agreement, either as the owner or an officer of (V3 Companies), or as Company's duly authorized agent, trustee or receiver for the purpose of entering into this Agreement.
- 12. Professional Services - All engineering and surveying services are regulated under the Illinois Board for Professional Engineers and Professional Land Surveyors.
- 13. Use of Work Product - SAM, LLC acknowledges that Client is requesting services to be performed under the applicable work order(s) for the purpose of providing such information to other parties including, but not limited to, clients, customers, governmental entities and other interested parties. Client agrees that the work product prepared by SAM, LLC may not be altered in any way except for the addition of page numbers or exhibit captions necessary to incorporate that work product into other documents. SAM, LLC agrees to provide copies of the work product mutually agreed upon by both parties described in the work orders hereof.
- 14. Subpoenas or Requests for Information - In the event SAM, LLC or any of its personnel are requested or authorized by the Client or third parties with which the Client is involved in a claim or dispute or, are required by government regulation, subpoena, or other legal process, to produce any information or our personnel as witnesses with respect to the services performed by SAM, LLC hereunder, the Client will, so long as neither SAM, LLC nor its personnel are a party to the proceeding in which the information or personnel are sought, reimburse SAM, LLC for its professional time and expenses, as well as the actual fees and expenses of SAM, LLC’s counsel, incurred in responding to such requests.

SURVEYING AND MAPPING, LLC (SAM, LLC)

COMPANY NAME: _____

Signature: _____

Signature: _____

Date: _____

Date: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____



TESTING SERVICE CORPORATION

Corporate Office

360 South Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

May 31, 2023

Mr. Kurt Corrigan, PE
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517

RE: P.N. 71,042
Geotechnical Exploration
Rollins Road Improvements
Washington St. to Grand Ave.
Lake County, Illinois

Dear Mr. Corrigan:

Testing Service Corporation (TSC) is pleased to submit this proposal to provide Geotechnical Engineering Services for the above captioned project. Our proposal responds to your email dated May 18, 2023 and a subsequent phone conversation. The objectives of the Geotechnical Study are to explore soil conditions and provide recommendations for culvert foundations, roadway improvements and pavement design in connection with Rollins Road Improvements.

Boring Program:

As requested thirty-five (35) soil borings and ten (10) pavement cores are to be drilled as part of our Geotechnical Exploration. The pavement cores will be taken at approximate 1000' intervals along alternating sides of the roadway. Thirty (30) roadway borings are to be drilled at approximate 300' intervals along alternating sides of Rollins Road and are to be extended to 10 feet below existing grade. Five (5) miscellaneous borings (possibly in connection with V3 environmental team) are also included expected to be made 10 to 30 feet deep. Total drilling footage on this basis is estimated to be about 400 lineal feet.

For the purposes of this proposal, we have assumed that the boring locations will be accessible to conventional drilling equipment. In this regard, they should not be located in standing water, within wooded or landscaped areas, or on steeply sloping ground. No provisions have been made for tree/brush clearing or other obstruction removal should borehole access be impeded. Landscape restoration or crop damage (if required) is also not included in the proposal.

TSC will utilize personnel who are trained in layout procedures to stake the borings in the field. Ground surface elevations for each borehole will be determined by GPS using a Trimble R8S GNSS receiver. Utility clearance for the borings will be obtained by contacting JULIE (Joint Utility Locating Information for Excavators). Secondary and /or private underground utility lines will have to be marked by the property owner or their agents; **a private locator can be hired (at an added cost) if necessary.**

The cores of the asphalt or P.C. concrete surface using a 4-inch diameter core barrel. Auger samples will also be obtained of underlying granular base course materials, with continuous macro-core samples to then be taken of the upper soil subgrade to a minimum depth of 3 feet. The core holes will be patched upon completion using a cold mix asphalt or non-shrink concrete grout.

Soil samples will be obtained by standard split-spoon (ASTM D 1586) methods at each structure and/or subgrade boring location in accordance with IDOT procedures. Special circumstances (trees, slopes, power lines, etc.) may dictate use of a small drill rig where soil samples will be obtained by geo-probe methods. Subgrade borings will be sampled continuously in the upper 5 feet and not exceed 2½-foot intervals below this level, unless unforeseen circumstances present themselves. A representative portion of the split-spoon samples will be placed in a glass jar with screw-type lid for transportation to our laboratory. Groundwater observations will also be made during and following completion of drilling operations, with any boreholes in pavement areas to be backfilled immediately and patched at the surface.

TSC will attempt to minimize damage or ground disturbance (rutting, etc.) with the drill rig. However, ground disturbance is inevitable and should be expected if work is performed while the ground is soft.

Assumptions for Permits:

Rollins Road is under the Lake County jurisdiction and will not require a permit. However, a preconstruction meeting will likely be required before the soil borings are staked and drilled.

Traffic Control:

The borings and cores located along Rollins Road will most likely require lane closures. This proposal includes a provision for lane closures by a professional traffic control firm. If it is determined that traffic control is not needed you will not be charged for this service.

Please note that this proposal assumes that TSC will be able to perform all borings and cores during weekdays (Monday through Friday) beginning no later than 9:00 AM and ending no sooner than 3:00 PM.

It is possible that traffic control will not be needed if there are borings located in grass areas off the existing roadways. However, cones and signs may be required.

Laboratory Testing:

The pavement cores will be examined and described by an experienced laboratory materials technician, with measurements taken of individual bituminous layer thicknesses. The subgrade samples obtained from the borings and cores will be examined by experienced laboratory personnel in order to verify field descriptions as well as to visually classify in accordance with the Unified and AASHTO Soil Classification Systems.

Samples retained from the borings will also be examined by laboratory personnel to verify field descriptions and to estimate soil classifications in accordance with the Unified and AASHTO Soil Classification Systems. Laboratory testing will include moisture content determinations, as well as unconfined compressive strength (Qu) on cohesive soils using a proving ring tester, approved by IDOT. Estimate of unconfined compressive strength using a calibrated pocket penetrometer (Qp) will be obtained on cohesive samples when unconfined compressive strength (Qu) is not possible. Representative subgrade samples will be tested for Atterberg limits and grain size analysis in accordance with IDOT procedures. Other tests deemed to be necessary by TSC's Project Engineer may also be recommended for your approval. Our scope of work does not include any tests for Illinois Bearing Ratio (IBR) on representative subgrade samples.

Engineering Report:

Upon completion of drilling and testing, you will receive an engineering report summarizing field and laboratory test data, including a boring location plan and computer generated boring logs. The report will address anticipated soil and groundwater conditions impacting site development, based upon the information obtained from the borings. It will also provide recommendations to guide design and specification preparation pertaining to geotechnical issues relevant to the structure or purpose described in this proposal. These may include the following:

- General earthwork and construction considerations.
- Remedial work and/or treatment of unstable or unsuitable soil types.
- Fill placement and compaction requirements for foundations and pavements.
- Undercut recommendations for new pavements and widening areas.
- Pavement design parameters.
- Foundation type, capacity and depth/elevation.
- Anticipation and management of groundwater.

The following are **not** a part of or scope of work:

- Illinois Bearing Ratio (IBR).
- Soil profile sheets.

Fees and Scope:

In accordance with the Cost Estimate attached, TSC is proposing a not-to-exceed budget amount of **Fifty-One Thousand Dollars (\$ 51,000.00)** to provide the Geotechnical Exploration outlined above. This scope document is based on the understanding that: the boring locations are accessible to a conventional truck or All-Terrain Vehicle (ATV) mounted drill; none of the borings will be located in standing water; in wooded or landscaped areas or on steeply sloping ground; and that the work can be performed during standard business hours. Our fee is further subject to this proposal being accepted by you on or before December 31, 2023.



The Illinois Department of Labor (IDOL) has taken the position that Core Drilling/Soil Testing is a covered activity under the Illinois Prevailing Wage Act (IPWA). TSC's drill crew is represented by Local 150 IUOE and will receive Prevailing Wage.

Should the study reveal unexpected subsurface conditions requiring a change in the scope of work, you will be contacted before we proceed with any additional work. Our invoice would then be based on our standard unit rates given in the attached Cost Estimate or as otherwise agreed upon. While our quoted fee does not include earthwork, excavation, and/or footing observations during the construction phase, the project budget should include a provision for these services. Plan review, preconstruction meetings and/or other consulting and professional services that are provided subsequent to the delivery of TSC's report would be covered by separate invoice.

TSC's geotechnical investigation does not include services required to evaluate the likelihood of the site being contaminated by hazardous materials or other pollutants. Analytical testing which would be required in connection with IEPA Form LPC-663, Uncontaminated Soil Certification is also not included. Should environmental and/or analytical testing be desired, please contact the undersigned for additional details and/or associated costs.

Closure:

The geotechnical engineering services being performed are subject to TSC's attached General Conditions. TSC charges include all state and federal taxes that may be required. However, unless stated otherwise they do not include license, permit or bond fees that local governments may impose, if any to potentially be added to our invoice. The invoice will be sent to the following unless written instructions to the contrary are received:

Mr. Kurt Corrigan, PE
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
Phone: 630.729.6226
Email: kcorrigan@v3co.com

If this proposal meets with your approval, please indicate your acceptance by signing one copy and returning it to our Carol Stream, Illinois office. It would be helpful if you could also complete the attached Project Data form indicating who is to receive copies of TSC's report and other related information.



Your consideration of our proposal is appreciated. We look forward to being of service to you on this project.

Respectfully submitted,

TESTING SERVICE CORPORATION

Timothy R. Peceniak, P.E.
Geotechnical Engineer

Steven R. Koester, P.E.
Vice President

TRP:SRK:dk

Enc: Cost Estimate
General Conditions
Project Data Sheet

Approved and accepted for _____ by:

(NAME)

(TITLE)

(DATE)



COST ESTIMATE
Rollins Road Improvements
Washington St. to Grand Ave.
Lake County, Illinois

ITEM	UNITS	QTY	RATE	COST	
STAKING AND UTILITY CLEARANCE					
1.1	Layout Person to Mark Boring Locations, Obtain Surface Elevations and/or Arrange for Clearance of Underground Utilities	Hour	8.0	110.00	\$ 880.00
1.2	Private Locator to Mark Private and/or Interior Underground Utility Lines	Cost + 10%	0	Est. 750.00	\$0.00
DRILLING AND SAMPLING (Includes time to work with V3 environmental team, i.e. collecting samples during drilling operations)					
2.1	Drill Mounted on Truck and Two Person Crew (Portal to Portal)	Day	5	3,700.00	\$ 18,500.00
OBTAIN PAVEMENT CORES Includes coring with 4 inch diameter barrel, retrieving all pavement materials to maximum depth of 18 inches, taking auger samples of base course/subbase materials and split-spoons of upper subgrade.					
3.1	Core Van and One-Man Crew (Portal to Portal)	Lump Sum	1	2,000.00	\$ 2,000.00
3.2	Bit Wear - Per Inch of Asphalt or PCC Pavement	Inch	60	3.00	\$ 180.00
3.3	Patch Holes with Cold Patch Asphalt or Non-Shrink Grout	Each	10	5.00	\$ 50.00
3.4	Materials Technician to Measure and Describe Core Sample in Laboratory	Each	10	20.00	\$ 200.00
TRAFFIC CONTROL (for Soil Borings and Pavement Cores)					
4.1	2-Man Flagging Crew, Regular Time (Portal to Portal)	Hour	48.0	300.00	\$ 14,400.00
4.2	2-Man Flagging Crew, Overtime	Hour	6.0	385.00	\$ 2,310.00
4.3	TSC Pickup, Arrowboard and/or cones	Day	0	150.00	\$ 0.00
LABORATORY TESTING					
5.1	Examine Samples to Describe by Textural System and Classify Using the Unified Soil Classification System	Each	200	4.00	\$ 800.00
5.2	Water Content Determination (Includes Pocket Penetrometer Reading on Cohesive Samples)	Each	180	8.00	\$ 1,440.00



ITEM		UNITS	QTY	RATE	COST
5.3	Unconfined Compressive Strength of Cohesive Soils (or Torvane Shear Strength Measurement)	Each	110	16.00	\$ 1,760.00
5.4	Dry Unit Weight Determination	Each	20	8.00	\$ 160.00
5.5	Atterberg Limit Determination	Each	6	125.00	\$ 750.00
5.6	Sieve Analysis with #200 Wash	Each	0	100.00	\$ 0.00
5.7	Sieve Analysis with Hydrometer	Each	6	140.00	\$ 840.00
5.8	Loss-On-Ignition and Wet Combustion (Organic Content)	Each	5	125.00	\$ 625.00
ENGINEERING SERVICES					
6.1	Prepare Roadway Geotechnical Report with Boring Logs and Location Plan	Lump Sum	1	5,500.00	\$ 5,500.00
6.2	Geotechnical Engineer to Attend Pre-Boring Meeting at Lake County DOT Office	Hour	4.0	150.00	\$ 600.00
6.3	Geotechnical Engineer to Perform Special Calculations or Run Slope Stability Analyses	Hour	0.0	150.00	\$ 0.00
6.4	Senior Engineer to Consult or Attend Project Meetings	Hour	0.0	200.00	\$ 0.00
ESTIMATED TOTAL:					\$ 50,995.00
RECOMMENDED BUDGET:					\$ 51,000.00



TESTING SERVICE CORPORATION

GENERAL CONDITIONS

Geotechnical and Construction Services

1. PARTIES AND SCOPE OF WORK: If Client is ordering the services on behalf of another, Client represents and warrants that Client is the duly authorized agent of said party for the purpose of ordering and directing said services, and in such case the term "Client" shall also include the principal for whom the services are being performed. Prices quoted and charged by TSC for its services are predicated on the conditions and the allocations of risks and obligations expressed in these General Conditions. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services ordered by Client are adequate and sufficient for Client's intended purpose. Unless otherwise expressly assumed in writing, TSC's services are provided exclusively for client. TSC shall have no duty or obligation other than those duties and obligations expressly set forth in this Agreement. TSC shall have no duty to any third party. Client shall communicate these General Conditions to each and every party to whom the Client transmits any report prepared by TSC. Ordering services from TSC shall constitute acceptance of TSC's proposal and these General Conditions.

2. SCHEDULING OF SERVICES: The services set forth in this Agreement will be accomplished in a timely and workmanlike manner. If TSC is required to delay any part of its services to accommodate the requests or requirements of Client, regulatory agencies, or third parties, or due to any cause beyond its reasonable control, Client agrees to pay such additional charges, if any, as may be applicable.

3. ACCESS TO SITE: TSC shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as a result of its services or the use of its equipment; however, TSC has not included in its fee the cost of restoration of damage which may occur. If Client desires or requires TSC to restore the site to its former condition, TSC will, upon written request, perform such additional work as is necessary to do so and Client agrees to pay to TSC the cost thereof plus TSC's normal markup for overhead and profit.

4. CLIENT'S DUTY TO NOTIFY ENGINEER: Client represents and warrants that Client has advised TSC of any known or suspected hazardous materials, utility lines and underground structures at any site at which TSC is to perform services under this Agreement. Unless otherwise agreed in writing, TSC's responsibility with respect to underground utility locations is to contact the Illinois Joint Utility Locating Information for Excavators for the location of public, but not private, utilities.

5. DISCOVERY OF POLLUTANTS: TSC's services shall not include investigation for hazardous materials as defined by the Resource Conservation Recovery Act, 42 U.S.C. § 6901, et, seq., as amended ("RCRA") or by any state or Federal statute or regulation. In the event that hazardous materials are discovered and identified by TSC, TSC's sole duty shall be to notify Client.

6. MONITORING: If this Agreement includes testing construction materials or observing any aspect of construction of improvements, Client's construction personnel will verify that the pad is properly located and sized to meet Client's projected building loads. Client shall cause all tests and inspections of the site, materials and work to be timely and properly performed in accordance with the plans, specifications, contract documents, and TSC's recommendations. No claims for loss, damage or injury shall be brought against TSC unless all tests and inspections have been so performed and unless TSC's recommendations have been followed.

TSC's services shall not include determining or implementing the means, methods, techniques or procedures of work done by the contractor(s) being monitored or whose work is being tested. TSC's services shall not include the authority to accept or reject work or to in any manner supervise the work of any contractor. TSC's services or failure to

perform same shall not in any way operate or excuse any contractor from the performance of its work in accordance with its contract. "Contractor" as used herein shall include subcontractors, suppliers, architects, engineers and construction managers.

Information obtained from borings, observations and analyses of sample materials shall be reported in formats considered appropriate by TSC unless directed otherwise by Client. Such information is considered evidence, but any inference or conclusion based thereon is, necessarily, an opinion also based on engineering judgment and shall not be construed as a representation of fact. Subsurface conditions may not be uniform throughout an entire site and ground water levels may fluctuate due to climatic and other variations. Construction materials may vary from the samples taken. Unless otherwise agreed in writing, the procedures employed by TSC are not designed to detect intentional concealment or misrepresentation of facts by others.

7. DOCUMENTS AND SAMPLES: Client is granted an exclusive license to use findings and reports prepared and issued by TSC and any sub-consultants pursuant to this Agreement for the purpose set forth in TSC's proposal provided that TSC has received payment in full for its services. TSC and, if applicable, its sub-consultant, retain all copyright and ownership interests in the reports, boring logs, maps, field data, field notes, laboratory test data and similar documents, and the ownership and freedom to use all data generated by it for any purpose. Unless otherwise agreed in writing, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed sixty (60) days after submission of TSC's report.

8. TERMINATION: TSC's obligation to provide services may be terminated by either party upon (7) seven days prior written notice. In the event of termination of TSC's services, TSC shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses. The terms and conditions of these General Conditions shall survive the termination of TSC's obligation to provide services.

9. PAYMENT: Client shall be invoiced periodically for services performed. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to in writing for valid cause within sixty (60) days at the rate of twelve (12%) per annum (or the maximum interest rate permitted by applicable law, whichever is the lesser) until paid and TSC's costs of collection of such accounts, including court costs and reasonable attorney's fees.

10. WARRANTY: TSC's professional services will be performed, its findings obtained and its reports prepared in accordance with these General Conditions and with generally accepted principles and practices. In performing its professional services, TSC will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. In performing physical work in pursuit of its professional services, TSC will use that degree of care and skill ordinarily used under similar circumstances. This warranty is in lieu of all other warranties or representations, either express or implied. Statements made in TSC reports are opinions based upon engineering judgment and are not to be construed as representations of fact.

Should TSC or any of its employees be found to have been negligent in performing professional services or to have made and breached any express or implied warranty, representation or contract, Client, all parties claiming through Client and all parties claiming to have in any way relied upon TSC's services or work agree that the maximum aggregate amount of damages for which TSC, its officers, employees and agents shall be liable is limited to \$50,000 or the total amount of the fee paid to TSC for its services performed with respect to the project, whichever amount is greater.

In the event Client is unwilling or unable to limit the damages for which TSC may be liable in accordance with the provisions set forth in the preceding paragraph, upon written request of Client received within five days of Client's acceptance of TSC's proposal together with payment of an additional fee in the amount of 5% of TSC's estimated cost for its services (to be adjusted to 5% of the amount actually billed by TSC for its services on the project at time of completion), the limit on damages shall be increased to \$500,000 or the amount of TSC's fee, whichever is the greater. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the exposure to an award of greater damages.

11. INDEMNITY: Subject to the provisions set forth herein, TSC and Client hereby agree to indemnify and hold harmless each other and their respective shareholders, directors, officers, partners, employees, agents, subsidiaries and division (and each of their heirs, successors, and assigns) from any and all claims, demands, liabilities, suits, causes of action, judgments, costs and expenses, including reasonable attorneys' fees, arising, or allegedly arising, from personal injury, including death, property damage, including loss of use thereof, due in any manner to the negligence of either of them or their agents or employees or independent contractors. In the event both TSC and Client are found to be negligent or at fault, then any liability shall be apportioned between them pursuant to their pro rata share of negligence or fault. TSC and Client further agree that their liability to any third party shall, to the extent permitted by law, be several and not joint. The liability of TSC under this provision shall not exceed the policy limits of insurance carried by TSC. Neither TSC nor Client shall be bound under this indemnity agreement to liability determined in a proceeding in which it did not participate represented by its own independent counsel. The indemnities provided hereunder shall not terminate upon the termination or expiration of this Agreement, but may be modified to the extent of any waiver of subrogation agreed to by TSC and paid for by Client.

12. SUBPOENAS: TSC's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay TSC pursuant to TSC's then current fee schedule for any TSC employee(s) subpoenaed by any party as an occurrence witness as a result of TSC's services.

13. OTHER AGREEMENTS: TSC shall not be bound by any provision or agreement (i) requiring or providing for arbitration of disputes or controversies arising out of this Agreement or its performance, (ii) wherein TSC waives any rights to a mechanics lien or surety bond claim; (iii) that conditions TSC's right to receive payment for its services upon payment to Client by any third party or (iv) that requires TSC to indemnify any party beyond its own negligence. These General Conditions are notice, where required, that TSC shall file a lien whenever necessary to collect past due amounts. This Agreement contains the entire understanding between the parties. Unless expressly accepted by TSC in writing prior to delivery of TSC's services, Client shall not add any conditions or impose conditions which are in conflict with those contained herein, and no such additional or conflicting terms shall be binding upon TSC. The unenforceability or invalidity of any provision or provisions shall not render any other provision or provisions unenforceable or invalid. This Agreement shall be construed and enforced in accordance with the laws of the State of Illinois. In the event of a dispute arising out of or relating to the performance of this Agreement, the breach thereof or TSC's services, the parties agree to try in good faith to settle the dispute by mediation under the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to filing any demand for arbitration, or any petition or complaint with any court. Paragraph headings are for convenience only and shall not be construed as limiting the meaning of the provisions contained in these General Conditions.



TESTING SERVICE CORPORATION

General Information: _____

Project Name: _____

Project Address: _____

City/State/Zip: _____

County: _____

Project Manager: _____

Email: _____

Telephone: _____

Site Contact: _____

Email: _____

Telephone: _____

Send Invoice to: _____

Purchase Order Number: _____

Attention: _____

Company: _____

Address: _____

City/State/Zip: _____

Email: _____

Telephone: _____

Cell Phone: _____

If waivers are required, please provide the Owner's name here _____

IMPORTANT NOTES: _____

Completed by: _____

Signature: _____

Name: _____

Date: _____

Distribute Reports as Follows:

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Email: _____

Telephone: _____

Cell Phone: _____

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Email: _____

Telephone: _____

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Email: _____

Telephone: _____

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Email: _____

Telephone: _____

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	V3 Companies	Lake	22-00116-09-WR

EXHIBIT E
Disclosure Statements, Certificate of Insurance

SEE ATTACHED.



VENDOR DISCLOSURE STATEMENT

Vendor Name:	V3 Companies, Ltd.		
Address:	7325 Janes Avenue Woodridge, Illinois 60517		
Contact Person:	Kurt Corrigan	Contact Phone #:	847-417-0072
Bid/RFP/SOI/Contract/Renewal:	March 2023 SOI/SOQ Item 2 - Section No. 22-00116-09-WR		

Vendors wishing to contract with Lake County for goods and services in an amount greater than \$30,000 shall submit this form in advance of award. This disclosure statement is not required for utility companies regulated by the Illinois Commerce Commission or local units of government. Vendors shall disclose:

- A familial relationship between a Lake County elected official, department director, deputy director and manager and owners, principals, executives, officers, account managers or other similar managerial positions of the vendor's company. Familial relationship is defined as a spouse (including civil partner), child, stepchild, parent, stepparent, grandparent, in-laws (including parent, grandparent, sibling, or child), relatives and non-relatives living in the same residence, and offspring born to any aforementioned person.
- All political campaign contributions made by the vendor or an owner, principal, executive, officer, account manager, or other similar managerial position of the vendor to any county board member, county board chair, or countywide elected official within the last five years.

If there is nothing to report in a section, please state none in the appropriate space.

FAMILIAL RELATIONSHIPS

List names and departments/agencies of Lake County employees or public officials with whom owners, principals, or officers of the vendor's company have a familial relationship and the nature of the relationship. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Name and Department/Agency of Lake County Employee/Public Official	Familial Relationship
None	

CAMPAIGN CONTRIBUTIONS

List campaign contributions that have been made within the last five years that exceed \$150 annually. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Recipient	Donor	Description (e.g., cash, type of item, in-kind service, etc.)	Amount/Value	Date Made
None				

Continuing disclosure is required if information changes. Vendor Disclosure Statements are available at doingbusiness.lakecountyil.gov

The full text of the County's Ethics and Procurement policies and ordinances are available at www.lakecountyil.gov.

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these disclosure requirements, and that I agree to update this information if there are any related changes by submitting a new Vendor Disclosure Statement.

Authorized Signature:		Title:	Vice President
Printed Name:	Vincent J. Del Medico	Date:	June 7, 2023

Vendors must insert "x" in the following box indicating exception and provide a brief narrative for exception.



VENDOR CERTIFICATION FORM

Bid/RFP/SOI Number:	Section No. 22-00095-20-CH		
Vendor Name:	V3 Companies, Ltd.		
Address:	7325 Janes Avenue, Woodridge, IL 60517		
Primary Contact Name:	Kurt Corrigan		
Primary Contact Email Address:	kcorrigan@v3co.com		
Primary Contact Phone Number:	847.417.0072		
Project Manager Name:	Elora Hsu		
Project Manager Email Address:	ehsu@v3co.com		
Project Manager Phone Number:	630.212.3264		
# Years in Business:	40	Number of Employees:	340
Annual Sales:	\$ 72,637,000.00	Dunn & Bradstreet #:	12-129-0530
Vendor Certification Statement: Please identify all of the following that apply to the ownership of this firm. This information is collected for reporting purposes only and not vendor selection. Please include a copy of the certification. (Definitions are included on the second page of Vendor Certification Form).			
	Contractor certifies as a Minority – Business Enterprise (MBE)		
	Contractor certifies as a Women Business Enterprise (WBE)		
	Contractor certifies as a Veteran-Owned (VBE) Business Enterprise		
	Contractor certifies as a Persons with Disabilities Owned Business Enterprise (PDBE)		
	Contractor certifies as a Service-Disabled Veteran-Owned (SDVBE) Business Enterprise		
	Contractor certifies as a Business Enterprise Program (BEP)		
	Contractor certifies as a Small Disadvantaged Businesses (SDB)		
	Contractor certifies as a Veteran-Owned Small Business (VOSB)		
	Local Business		
<i>VSD</i>	None		
Other (Specify)			
Certification Number:			
Certified by (Agency):			

I certify that this information is accurate to the best of my knowledge and that I am authorized to provide this information on behalf of my company.

Vincent J. Del Medico

 Signature, Title

Vincent J. Del Medico, Vice President

 Printed Name, Title

June 6, 2023

 Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

06/05/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


PRODUCER DSP Insurance Services, Inc. 1900 E Golf Rd Suite 650 Schaumburg IL 60173	CONTACT NAME: John E Adams	
	PHONE (A/C, No. Ext): (847) 934-6100	FAX (A/C, No): (847) 934-6186
E-MAIL ADDRESS: mvera@dspins.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: National Fire Insurance Company		20478
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** Cert ID 39171 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			7011433078	10/26/2022	01/01/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
							\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 The following are included as Additional Insured when required by written contract to the Auto Liability: Lake County

CERTIFICATE HOLDER Purchasing@lakecountyil.gov Lake County Purchasing Division 18 N. County 9th Floor Attn: RuthAnne Hall, Lake Coun Waukegan IL 60085	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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CONTRACTORS EXTENDED COVERAGE ENDORSEMENT - BUSINESS AUTO PLUS

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

I. LIABILITY COVERAGE

A. Who Is An Insured

The following is added to **Section II, Paragraph A.1., Who Is An Insured:**

1. a. Any incorporated entity of which the Named Insured owns a majority of the voting stock on the date of inception of this Coverage Form; provided that,
 - b. The insurance afforded by this provision **A.1.** does not apply to any such entity that is an **insured** under any other liability "policy" providing **auto** coverage.
2. Any organization you newly acquire or form, other than a limited liability company, partnership or joint venture, and over which you maintain majority ownership interest.

The insurance afforded by this provision **A.2.:**

- a. Is effective on the acquisition or formation date, and is afforded only until the end of the policy period of this Coverage Form, or the next anniversary of its inception date, whichever is earlier.
- b. Does not apply to:
 - (1) **Bodily injury or property damage** caused by an **accident** that occurred before you acquired or formed the organization; or
 - (2) Any such organization that is an **insured** under any other liability "policy" providing **auto** coverage.
3. Any person or organization that you are required by a written contract to name as an additional insured is an **insured** but only with respect to their legal liability for acts or omissions of a person, who qualifies as an **insured** under **SECTION II – WHO IS AN INSURED** and for whom Liability Coverage is afforded under this policy. If required by written contract, this insurance will be primary and non-contributory to insurance on which the additional insured is a Named Insured.
4. An **employee** of yours is an **insured** while operating an **auto** hired or rented under a contract or agreement in that **employee's** name, with your permission, while performing duties related to the conduct of your business.

"Policy", as used in this provision **A. Who Is An Insured**, includes those policies that were in force on the inception date of this Coverage Form but:

1. Which are no longer in force; or
2. Whose limits have been exhausted.

B. Bail Bonds and Loss of Earnings

Section II, Paragraphs A.2. (2) and A.2. (4) are revised as follows:

1. In **a.(2)**, the limit for the cost of bail bonds is changed from \$2,000 to \$5,000; and
2. In **a.(4)**, the limit for the loss of earnings is changed from \$250 to \$500 a day.

Form No: CNA63359XX (04-2012)

Endorsement Effective Date:

Endorsement No: 14; Page: 1 of 4

Underwriting Company: National Fire Insurance Company of Hartford, 151 N Franklin St, Chicago, IL
60606

Policy No: BUA 7011433078

Policy Effective Date: 10/26/2022

Policy Page: 70 of 336



- (4) Your **employees** may know of an **accident** or **loss**. This will not mean that you have such knowledge, unless such **accident** or **loss** is known to you or if you are not an individual, to any of your executive officers or partners or your insurance manager.

The following is added to **Section IV, Paragraph A.2.b.:**

- (6) Your **employees** may know of documents received concerning a claim or **suit**. This will not mean that you have such knowledge, unless receipt of such documents is known to you or if you are not an individual, to any of your executive officers or partners or your insurance manager.

B. Transfer Of Rights Of Recovery Against Others To Us

The following is added to **Section IV, Paragraph A.5. Transfer Of Rights Of Recovery Against Others To Us:**

We waive any right of recovery we may have, because of payments we make for injury or damage, against any person or organization for whom or which you are required by written contract or agreement to obtain this waiver from us.

This injury or damage must arise out of your activities under a contract with that person or organization.

You must agree to that requirement prior to an **accident** or **loss**.

C. Concealment, Misrepresentation or Fraud

The following is added to **Section IV, Paragraph B.2.:**

Your failure to disclose all hazards existing on the date of inception of this Coverage Form shall not prejudice you with respect to the coverage afforded provided such failure or omission is not intentional.

D. Other Insurance

The following is added to **Section IV, Paragraph B.5.:**

Regardless of the provisions of Paragraphs **5.a.** and **5.d.** above, the coverage provided by this policy shall be on a primary non-contributory basis. This provision is applicable only when required by a written contract.

That written contract must have been entered into prior to **Accident** or **Loss**.

E. Policy Period, Coverage Territory

Section IV, Paragraph B. 7.(5).(a). is revised to provide:

- a. 45 days of coverage in lieu of 30 days.

V. DEFINITIONS

Section V. paragraph C. is deleted and replaced by the following:

Bodily injury means bodily injury, sickness or disease sustained by a person, including mental anguish, mental injury or death resulting from any of these.



ADDITIONAL REMARKS SCHEDULE

AGENCY Willis Towers Watson Midwest, Inc.	NAMED INSURED V3 Companies Ltd. 7325 Janes Avenue, Suite 100 Woodridge, IL 60517
POLICY NUMBER See Page 1	EFFECTIVE DATE: See Page 1
CARRIER See Page 1	
NAIC CODE See Page 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Waiver of Subrogation applies in favor of Additional Insureds with respects to Workers Compensation policies as permitted by law.
 Umbrella/Excess Liability policy is follow-form

**Blanket Additional Insured - Owners, Lessees or Contractors - with Products-Completed Operations Coverage Endorsement**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

It is understood and agreed as follows:

I. WHO IS AN INSURED is amended to include as an **Insured** any person or organization whom you are required by **written contract** to add as an additional insured on this **coverage part**, but only with respect to liability for **bodily injury, property damage or personal and advertising injury** caused in whole or in part by your acts or omissions, or the acts or omissions of those acting on your behalf:

A. in the performance of your ongoing operations subject to such **written contract**; or

B. in the performance of **your work** subject to such **written contract**, but only with respect to **bodily injury or property damage** included in the **products-completed operations hazard**, and only if:

1. the **written contract** requires you to provide the additional insured such coverage; and
2. this **coverage part** provides such coverage.

II. But if the **written contract** requires:

A. additional insured coverage under the 11-85 edition, 10-93 edition, or 10-01 edition of CG2010, or under the 10-01 edition of CG2037; or

B. additional insured coverage with "arising out of" language; or

C. additional insured coverage to the greatest extent permissible by law;

then paragraph **I.** above is deleted in its entirety and replaced by the following:

WHO IS AN INSURED is amended to include as an **Insured** any person or organization whom you are required by **written contract** to add as an additional insured on this **coverage part**, but only with respect to liability for **bodily injury, property damage or personal and advertising injury** arising out of **your work** that is subject to such **written contract**.

III. Subject always to the terms and conditions of this policy, including the limits of insurance, the Insurer will not provide such additional insured with:

A. coverage broader than required by the **written contract**; or

B. a higher limit of insurance than required by the **written contract**.

IV. The insurance granted by this endorsement to the additional insured does not apply to **bodily injury, property damage, or personal and advertising injury** arising out of:

A. the rendering of, or the failure to render, any professional architectural, engineering, or surveying services, including:

1. the preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
2. supervisory, inspection, architectural or engineering activities; or

B. any premises or work for which the additional insured is specifically listed as an additional insured on another endorsement attached to this **coverage part**.

V. Under **COMMERCIAL GENERAL LIABILITY CONDITIONS**, the Condition entitled **Other Insurance** is amended to add the following, which supersedes any provision to the contrary in this Condition or elsewhere in this **coverage part**:

CNA75079XX (10-16)

Page 1 of 2

Policy No: 6045653373

Endorsement No: 5

Insured Name: V3 COMPANIES, LTD



**Blanket Additional Insured - Owners, Lessees or Contractors - with Products-Completed Operations Coverage Endorsement****Primary and Noncontributory Insurance**

With respect to other insurance available to the additional insured under which the additional insured is a named insured, this insurance is primary to and will not seek contribution from such other insurance, provided that a **written contract** requires the insurance provided by this policy to be:

1. primary and non-contributing with other insurance available to the additional insured; or
2. primary and to not seek contribution from any other insurance available to the additional insured.

But except as specified above, this insurance will be excess of all other insurance available to the additional insured.

VI. Solely with respect to the insurance granted by this endorsement, the section entitled COMMERCIAL GENERAL LIABILITY CONDITIONS is amended as follows:

The Condition entitled **Duties In The Event of Occurrence, Offense, Claim or Suit** is amended with the addition of the following:

Any additional insured pursuant to this endorsement will as soon as practicable:

1. give the Insurer written notice of any **claim**, or any **occurrence** or offense which may result in a **claim**;
2. send the Insurer copies of all legal papers received, and otherwise cooperate with the Insurer in the investigation, defense, or settlement of the **claim**; and
3. make available any other insurance, and tender the defense and indemnity of any **claim** to any other insurer or self-insurer, whose policy or program applies to a loss that the Insurer covers under this **coverage part**. However, if the **written contract** requires this insurance to be primary and non-contributory, this paragraph 3. does not apply to insurance on which the additional insured is a named insured.

The Insurer has no duty to defend or indemnify an additional insured under this endorsement until the Insurer receives written notice of a **claim** from the additional insured.

VII. Solely with respect to the insurance granted by this endorsement, the section entitled DEFINITIONS is amended to add the following definition:

Written contract means a written contract or written agreement that requires you to make a person or organization an additional insured on this **coverage part**, provided the contract or agreement:

- A. is currently in effect or becomes effective during the term of this policy; and
- B. was executed prior to:
 1. the **bodily injury or property damage**; or
 2. the offense that caused the **personal and advertising injury**;for which the additional insured seeks coverage.

Any coverage granted by this endorsement shall apply solely to the extent permissible by law.

All other terms and conditions of the Policy remain unchanged.

This endorsement, which forms a part of and is for attachment to the Policy issued by the designated Insurers, takes effect on the effective date of said Policy at the hour stated in said Policy, unless another effective date is shown below, and expires concurrently with said Policy.



WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Any person or organization for which the employer has agreed by written contract, executed prior to loss, may execute a waiver of subrogation. However, for purposes of work performed by the employer in Missouri, this waiver of subrogation does not apply to any construction group of classifications as designated by the waiver of right to recover from others (subrogation) rule in our manual.

Schedule

Any Person or Organization on whose behalf you are required to obtain this waiver of our right to recover from under a written contract or agreement.

The premium charge for the endorsement is reflected in the Schedule of Operations.

All other terms and conditions of the policy remain unchanged.

This endorsement, which forms a part of and is for attachment to the policy issued by the designated Insurers, takes effect on the Policy Effective Date of said policy at the hour stated in said policy, unless another effective date (the Endorsement Effective Date) is shown below, and expires concurrently with said policy unless another expiration date is shown below.

Form No: WC 00 03 13 (04-1984)

Endorsement Effective Date: 1/1/2023

Endorsement No: 5; Page: 1 of 1

Underwriting Company: Transportation Insurance Company, 151 N Franklin St, Chicago, IL 60606

Policy No: 6045653423

Policy Page: 22 of 27