



**INTERGOVERNMENTAL AGREEMENT  
BETWEEN THE COUNTY OF LAKE AND  
THE ROUND LAKE AREA PARK DISTRICT FOR IMPROVEMENTS  
ALONG HAINESVILLE ROAD (COUNTY HIGHWAY 24)  
INCLUDING THE CONSTRUCTION AND MAINTENANCE  
OF DETENTION PONDS WITHIN RENWOOD GOLF COURSE**

THIS AGREEMENT is entered into this \_\_\_\_\_ day of \_\_\_\_\_, A.D. 20\_\_\_\_, by and between the COUNTY OF LAKE, Illinois, an Illinois body politic and corporate, acting by and through its Chair and County Board, hereinafter referred to as the COUNTY, and the ROUND LAKE AREA PARK DISTRICT, an Illinois Unit of Local Government, acting by and through its Board of Commissioners, hereinafter referred to as the PARK DISTRICT. The COUNTY and the PARK DISTRICT are hereinafter referred to collectively as the “parties” to THIS AGREEMENT, and either one is referred to individually as a “party” to THIS AGREEMENT.

**WITNESSETH**

**WHEREAS**, the COUNTY, in order to facilitate the free flow of traffic and ensure the safety of the traveling public, is desirous of making certain permanent roadway and non-motorized facility improvements to Hainesville Road (COUNTY Highway 24) between Washington Street (COUNTY Highway 45) and Rollins Road (COUNTY Highway 31) (hereinafter the IMPROVEMENT). Said IMPROVEMENT shall include, but not be limited to, the reconstruction and widening of Hainesville Road, signage and street lighting, sidewalk and multi-use path, pavement resurfacing, drainage and landscaping. As of this writing, the IMPROVEMENT is assigned COUNTY Section 19-00072-14-WR and the targeted letting date for the IMPROVEMENT is 10/14/2025; and,

**WHEREAS**, the COUNTY is desirous to let an advanced drainage contract ahead of the IMPROVEMENT along Hainesville Road (hereinafter DRAINAGE WORK.) Said DRAINAGE WORK shall include but not be limited to construction of detention ponds, fencing, landscaping, cart paths, and retaining walls. As of this writing the DRAINAGE WORK is assigned COUNTY Section 23-00072-15-DR and the target letting date for the DRAINAGE WORK is 7/09/2024; and,

**WHEREAS**, this DRAINAGE WORK will provide the required stormwater detention for the IMPROVEMENT by modifying and expanding the existing detention ponds within a portion of a PARK DISTRICT-owned parcel (Parcel 0090 PE) (hereinafter DETENTION FACILITY); and,

**WHEREAS**, the real property owned by the PARK DISTRICT that will be affected by the IMPROVEMENT and DRAINAGE WORK is more particularly described and depicted in Exhibit A, attached hereto and incorporated by reference (hereinafter “PARK PROPERTY”); and

**WHEREAS**, said IMPROVEMENT shall be constructed in substantial conformance with the design engineering plans and specifications prepared by V3 Companies, Inc., (hereinafter IMPROVEMENT PLANS), that are identified in the cover sheet for such plans, which is attached to

THIS AGREEMENT as Exhibit B. As of this writing, the current IMPROVEMENT PLANS are those dated 5/3/2024 (preliminary version); and,

**WHEREAS**, said DRAINAGE WORK shall be constructed in substantial conformance with the design engineering plans and specifications prepared by V3 Companies, Inc., (hereinafter DRAINAGE PLANS), that are identified in the cover sheet for such plans, which is attached to THIS AGREEMENT as Exhibit B. As of this writing, the current DRAINAGE PLANS are those dated 5/3/2024 (Prefinal version); and,

**WHEREAS**, the PARK DISTRICT agrees to the construction of the IMPROVEMENT and DRAINAGE WORK on its property as depicted on the IMPROVEMENT PLANS and DRAINAGE PLANS; and,

**WHEREAS**, it has been determined by engineering studies that, in order to construct the IMPROVEMENT and DRAINAGE WORK, the COUNTY requires nine (9) areas of real property abutting Hainesville Road (COUNTY Highway 24) which is presently owned by the PARK DISTRICT to become right-of-way (hereinafter RIGHT-OF-WAY) and five (5) areas of permanent easement (hereinafter PERMANENT EASEMENT) and ten (10) areas of temporary easement (hereinafter TEMPORARY EASEMENT) within the PARK PROPERTY; and,

**WHEREAS**, the Plat of Highways showing the RIGHT-OF-WAY (as Parcel 0090), PERMANENT EASEMENTS (as Parcel 0090PE A, B, C, D & E) and TEMPORARY EASEMENTS (as Parcel 0090TE A, B, C, D, E, F, G, H, I & J) (hereinafter PLAT) is attached as EXHIBIT C to THIS AGREEMENT, which, by reference herein, is hereby made a part hereof; and,

**WHEREAS**, the legal descriptions for the RIGHT-OF-WAY, PERMANENT EASEMENTS and TEMPORARY EASEMENTS are attached as EXHIBIT D to THIS AGREEMENT, which, by reference herein, is hereby made a part hereof; and,

**WHEREAS**, the Local Government Property Transfer Act, 50 ILCS 605/0.01 et seq., (hereinafter the ACT) authorizes units of local government to agree to transfer land between said units of local government; and,

**WHEREAS**, pursuant to the ACT, the PARK DISTRICT may transfer all of its right, title and interest, in the property needed for the IMPROVEMENT and DRAINAGE WORK to the COUNTY upon such terms as may be agreed upon by the corporate authorities of the PARK DISTRICT and the COUNTY and subject to the provisions of such ACT; and,

**WHEREAS**, the PARK DISTRICT agrees to convey to the COUNTY the necessary RIGHT-OF-WAY, PERMANENT EASEMENTS and TEMPORARY EASEMENTS for the IMPROVEMENT and DRAINAGE WORK, at no cost to the COUNTY; and,

**WHEREAS**, the COUNTY agrees to construct or cause to be constructed the IMPROVEMENT and DRAINAGE WORK at no cost to the PARK DISTRICT; and

**WHEREAS**, the COUNTY has maintenance and jurisdictional authority over Hainesville Road (COUNTY Highway 24) and the PARK DISTRICT has ownership and jurisdiction over Renwood Golf Course which comprises the PARK PROPERTY; and,

**WHEREAS**, the COUNTY and the PARK DISTRICT are public agencies and governmental units within the meaning of the Illinois Intergovernmental Cooperation Act, as specified at 5 ILCS 220/1, et seq., and are authorized by Article 7, Section 10 of the Constitution of the State of Illinois to cooperate, contract, and otherwise associate for public purposes; and,

**WHEREAS**, the purpose of the Intergovernmental Cooperation Act and Article 7 of the Constitution of the State of Illinois includes fostering cooperation among governmental bodies; and,

**NOW, THEREFORE**, for and in consideration of the mutual covenants contained herein, made and pursuant to all applicable statutes, local ordinances, and authority, the parties do hereby agree to the following:

**SECTION I.  
Recitals/Headings**

1. It is mutually agreed by and between the parties hereto that the foregoing preambles are hereby incorporated herein as though fully set forth.
2. It is mutually agreed by and between the parties hereto that the "title" and "headings" as contained in THIS AGREEMENT are for reference only, and the actual written provisions, paragraphs and words of THIS AGREEMENT shall control.

**SECTION II.  
The Design and Construction of the IMPROVEMENT and DRAINAGE WORK  
COUNTY Section Number 23-00072-15-DR**

1. The COUNTY agrees to prepare, or cause to be prepared, the necessary surveys, design engineering plans and specifications and contract letting documents for the IMPROVEMENT and DRAINAGE WORK in accordance with Lake County Division of Transportation (LCDOT) policies and standards, without reimbursement from the PARK DISTRICT.

2. As of this writing, the current IMPROVEMENT PLANS are the Preliminary set of plans and specifications prepared by V3 Companies, with a submission date of 5/3/2024. Said IMPROVEMENT PLANS, by reference herein, hereby become a part hereof.

3. As of this writing, the current DRAINAGE PLANS are the Prefinal set of plans and specifications prepared by V3 Companies, with a submission date of 5/3/2024 Said DRAINAGE PLANS, by reference herein, hereby become a part hereof.

4. The PARK DISTRICT shall have the opportunity to review and approve the IMPROVEMENT PLANS and DRAINAGE PLANS with respect to all proposed work on the PARK PROPERTY. Said review and approval of the IMPROVEMENT PLANS and DRAINAGE PLANS by the PARK DISTRICT shall not be unreasonably withheld. The PARK DISTRICT's review and approval of the IMPROVEMENT PLANS and DRAINAGE PLANS shall be solely for programmatic purposes, shall not be construed as a substitute for engineering or other regulatory review, and by such approval the PARK DISTRICT does not waive any claims resulting from the IMPROVEMENT and DRAINAGE WORK.

5. It is mutually agreed by and between the parties hereto that the DRAINAGE WORK needs to be constructed in advance of the IMPROVEMENT to minimize disruption of Renwood Golf Course operations. The anticipated letting date for the DRAINAGE WORK is 7/09/2024 and the anticipated letting date for the IMPROVEMENT is 10/14/2025, both of which are subject to change dependent upon land acquisition, project readiness, and the availability of project funding. The COUNTY will make a good faith effort to keep the PARK DISTRICT apprised of changes to the construction date and letting date(s).

6. The COUNTY agrees to cause the IMPROVEMENT and DRAINAGE WORK to be constructed and to perform, or cause to be performed, the Construction Engineering Supervision in accordance with LCDOT procedures and requirements, without reimbursement from the PARK DISTRICT. Regardless of changes to the letting dates the COUNTY agrees to cause the DRAINAGE WORK to be constructed between October 1 and April 1 to minimize disruptions to Renwood Golf Course operations.

7. The COUNTY shall require the successful bidder for the IMPROVEMENT and DRAINAGE WORK, and all subcontractors thereof, to name the PARK DISTRICT as additional insured on any liability coverage required pursuant to such contracts with respect to any contract work performed on the PARK PROPERTY and require the successful bidder, and all subcontractors thereof, to indemnify and hold harmless the PARK DISTRICT. The scope of insurance and indemnity provided for the benefit of the PARK DISTRICT shall be no less than what is provided for the benefit of the COUNTY. The PARK DISTRICT may refuse entry to the PARK PROEPTY in the event it has not received evidence of the insurance and indemnification hereby required prior to the commencement of work.

8. It has been determined by engineering studies that in order to construct the IMPROVEMENT, stormwater detention is required.

The COUTNY shall cause the DETENTION FACILITY to be designed and constructed as part of this DRAINAGE WORK and as detailed in the DRAINAGE PLANS at no cost to the PARK DISTRICT.

The DETENTION FACILITY is designed as a wet bottom basin with native seed mixes as detailed in the DRAINAGE PLANS. The DETENTION FACILITY is anticipated to provide an additional 5.34 acre-feet of detention storage (2.75 acre-feet of the additional storage south of Shorewood Road and 2.59 acre-feet north of Shorewood Road) beyond what currently exists in the existing PARK DISTRICT detention basins prior to the IMPROVEMENT and DRAINAGE WORK.

It is further mutually agreed by and between the parties hereto that the additional 5.34 acre-feet of detention storage required for the IMPROVEMENT shall be reserved in the DETENTION FACILITY for the COUNTY's sole use. The PARK DISTRICT agrees to and does hereby grant to the COUNTY a permanent easement to provide the COUNTY with the additional 5.34 acre-feet of detention (2.75 acre-feet of additional storage south of Shorewood Road and 2.59 acre-feet of additional storage north of Shorewood Road) required for the IMPROVEMENT and to provide the COUNTY with access the DETENTION FACILITY, as necessary, to ensure proper functionality of any COUNTY storm sewer and conveyance routes attributed to the right-of-way of Hainesville Road (County Highway 24) which is tributary to the DETENTION FACILITY. These permanent easements are referenced as Parcel 0090PE A, B, C, D & E within the documents shown and described in EXHIBIT C and EXHIBIT D attached to THIS AGREEMENT.

9. The COUNTY agrees to construct temporary site access necessary for the construction of the DRAINAGE WORK and to remove and restore said temporary site access upon substantial completion of the DRAINAGE WORK, without reimbursement from the PARK DISTRICT.

10. The COUNTY agrees to remove or cause to be removed any trees and landscape plantings as depicted on the DRAINAGE PLANS and to plant or cause to be planted new replacement trees and landscape plantings as depicted on the DRAINAGE PLANS (hereinafter LANDSCAPE PLANTINGS) without reimbursement from the PARK DISTRICT.

11. The COUNTY agrees to restore all disturbed areas according to the PARK DISTRICT's seeding specifications as incorporated in the PLANS including native seed mix within and around the DETENTION FACILITY (hereinafter NATIVE SEEDING) without reimbursement from the PARK DISTRICT.

12. The COUNTY agrees to construct temporary construction fencing as depicted on the DRAINAGE PLANS and to remove said temporary fencing upon substantial completion of the DRAINAGE WORK at no cost to the PARK DISTRICT.

13. The COUNTY agrees to construct permanent fencing as part of the DRAINAGE WORK as depicted on the PLANS, without reimbursement from the PARK DISTRICT.

14. The removal and replacement of a certain cart path and an existing storage shed is necessary for construction of the DRAINAGE WORK. The COUNTY agrees to remove and reconstruct said cart path and existing storage shed as depicted on the DRAINAGE PLANS without reimbursement from the PARK DISTRICT.

15. The removal and replacement of certain irrigation systems, as depicted on the DRAINAGE PLANS, will be necessary for construction of the DRAINAGE WORK.

The PARK DISTRICT shall remove said irrigation system prior to the COUNTY beginning construction of the DRAINAGE WORK without reimbursement from the COUNTY.

Upon completion of the DRAINAGE WORK by the COUNTY, replacement of the irrigation system shall be the responsibility of the PARK DISTRICT without reimbursement from the COUNTY.

16. The COUNTY agrees to excavate and remove any excess soil from the site, as depicted on the DRAINAGE PLANS, without reimbursement from the PARK DISTRICT.

**SECTION III.**  
**MAINTENANCE of the IMPROVEMENT and DRAINAGE WORK**  
COUNTY Section Number 23-00072-15-DR

1. Upon substantial completion of the IMPROVEMENT and DRAINAGE WORK, the COUNTY shall retain maintenance and jurisdictional authority over Hainesville Road (COUNTY Highway 24) and the PARK DISTRICT shall retain ownership and jurisdiction of the PARK PROPERTY, including Renwood Golf Course and its facilities, including but not limited to the DETENTION FACILITY, reconstructed cart paths, irrigation system, storage shed, permanent fencing and permanent access points completed as part of the DRAINAGE WORK.

2. Upon substantial completion of the DRAINAGE WORK, the COUNTY shall assume ownership and maintenance responsibility of the drainage pipes and manholes constructed as a part of the DRAINAGE WORK and within the DETENTION FACILITY, that are used to convey storm sewer drainage to or from the COUNTY right-of-way, as depicted on the DRAINAGE PLANS, without reimbursement from the PARK DISTRICT. The COUNTY further agrees to indemnify and hold harmless the PARK DISTRICT, its elected officials and its duly appointed officials, agents, officers, employees and representatives from and against any and all claims, suits, settlements, actions, losses, expenses, damages, injuries, judgments and demands (collectively referred to hereinafter as "claims") arising from and relating to the maintenance and operation of the DETENTION FACILITY as heretofore described.

3. The COUNTY shall include in the PLANS a requirement that the contractor provide a full-replacement guarantee should any of the LANDSCAPE PLANTINGS not remain in a live, healthy condition throughout the construction schedule and for a period of one (1) year thereafter, according to the specification contained within the construction contract without reimbursement from the PARK DISTRICT.

4. The COUNTY agrees to perform, or cause to be performed, two (2) years of maintenance and monitoring of the NATIVE SEEDING planted as part of the DRAINAGE WORK to

ensure proper establishment and to control invasive species. This maintenance and monitoring work will be performed through the COUNTY's annual Native Landscaping Maintenance contract, without reimbursement from the PARK DISTRICT.

5. The PARK DISTRICT agrees, except as described in item 2 above and the above-mentioned two (2) year maintenance and monitoring period described in item 3, to accept full ownership and maintenance responsibility of the DETENTION FACILITY upon completion of construction. The PARK DISTRICT further agrees to indemnify and hold harmless the COUNTY, its elected officials and its duly appointed officials, agents, officers, employees and representatives, and the LCDOT, its duly appointed officials, agents, officers, employees and representatives from and against any and all claims, suits, settlements, actions, losses, expenses, damages, injuries, judgments and demands (collectively referred to hereinafter as "claims") arising from and relating to the maintenance and operation of the DETENTION FACILITY as heretofore described.

6. The PARK DISTRICT agrees to take no action that would prohibit, hinder, interfere with, block, reroute, diminish, or lessen or render ineffective, in any manner or form, the DETENTION FACILITY, including but not limited to grading, buildings, signs, conduits, cables, wires, sewers, pipes, watermains, vaults, transmissions lines, fencing, landscaping, or other such features, facilities or structures.

**SECTION IV.**  
**Conveyance of RIGHT-OF-WAY,**  
**PERMANENT EASEMENTS and TEMPORARY EASEMENTS**  
COUNTY Section Number 19-00072-14-WR and 23-00072-15-DR

1. The parties acknowledge that, pursuant to the ACT, the PARK DISTRICT may transfer all of its right, title and interest, in the property needed for the IMPROVEMENT and DRAINAGE WORK to the COUNTY upon such terms as may be agreed upon by the corporate authorities of the PARK DISTRICT and the COUNTY and subject to the provisions of such ACT.

2. The COUNTY agrees to prepare all necessary land acquisition and related conveyance documents for the conveyance of the RIGHT-OF-WAY and for the granting of the PERMANENT EASEMENTS and TEMPORARY EASEMENTS at no cost to the PARK DISTRICT.

3. The PARK DISTRICT agrees to convey to the COUNTY, at no cost to the COUNTY, for public roadway purposes the RIGHT-OF-WAY, for the purpose of constructing the IMPROVEMENT and DRAINAGE WORK as detailed in the IMPROVEMENT PLANS and DRAINAGE PLANS, pursuant to the PLAT and the necessary land acquisition documents.

4. The PARK DISTRICT agrees to grant the PERMANENT EASEMENTS and TEMPORARY EASEMENTS to the COUNTY, at no cost to the COUNTY, for the purpose of constructing and maintaining the IMPROVEMENT and DRAINAGE WORK as detailed in the IMPROVEMENT PLANS and DRAINAGE PLANS, pursuant to the PLAT and the necessary land acquisition documents. The land acquisition documents will be subject to the mutual agreement of the COUNTY and PARK

DISTRICT.

5. Provided they are consistent with the provisions, paragraphs and words of THIS AGREEMENT, the PARK DISTRICT agrees to execute and return to the COUNTY ENGINEER the necessary land acquisition and/or conveyance documents for said RIGHT-OF-WAY, PERMANENT EASEMENTS and TEMPORARY EASEMENTS within ten (10) working days of the receipt of said documents.

6. The COUNTY agrees to record all right-of-way, permanent easements and temporary easements that may be acquired in connection with the IMPROVEMENT and DRAINAGE WORK.

#### **SECTION V. General Provisions**

1. Nothing contained in THIS AGREEMENT is intended or shall be construed as, in any manner or form, creating or establishing a relationship of co-partners between the parties hereto, or as constituting the PARK DISTRICT (including its elected officials, duly appointed officials, employees and agents), the agent, representative or employee of the COUNTY for any purpose or in any manner, whatsoever. The PARK DISTRICT is to be and shall remain independent of the COUNTY with respect to all services performed under THIS AGREEMENT.

2. THIS AGREEMENT shall not be construed, in any manner or form, to limit the power or authority of the COUNTY or the COUNTY's County Engineer to maintain, operate, improve, construct, reconstruct, repair, manage, widen or expand COUNTY Highways as may be best determined, as provided by law.

3. Each party warrants and represents to the other party and agrees that: (1) THIS AGREEMENT is executed by duly authorized agents or officers of such party and that all such agents and officers have executed the same in accordance with the lawful authority vested in them, pursuant to all applicable and substantive requirements; (2) THIS AGREEMENT is binding and valid and will be specifically enforceable against each party; and (3) THIS AGREEMENT does not violate any presently existing provision of law nor any applicable order, writ, injunction or decree of any court or government department, commission, board, bureau, agency or instrumentality applicable to such party.

4. THIS AGREEMENT shall be deemed to take effect on the first day of the month which follows the date that the last authorized agent of the parties hereto affixes his/her signature.

5. THIS AGREEMENT shall be enforceable in any court of competent jurisdiction by each of the parties hereto by any appropriate action at law or in equity, including any action to



secure the performance of the representations, promises, covenants, agreements and obligations contained herein.

6. The provisions of THIS AGREEMENT are severable. If any provision, paragraph, section, subdivision, clause, phrase or word of THIS AGREEMENT is for any reason held to be contrary to law, or contrary to any rule or regulation having the force and effect of law, such decision shall not affect the remaining portions of THIS AGREEMENT.

7. The agreement of the parties hereto is contained herein, and THIS AGREEMENT supersedes all oral agreements and negotiations between the parties hereto relating to the subject matter hereof.

8. Any alterations, amendments, deletions or waivers of any provision of THIS AGREEMENT shall be valid only when expressed in writing and duly executed by the parties hereto.

9. THIS AGREEMENT shall be binding upon and inure to the benefit of the parties hereto, their successors and assigns. No party hereto may assign, transfer, sell, grant, convey, deed, cede or otherwise give over, in any manner or form, any of its duties, obligations and/or responsibilities as heretofore set forth in THIS AGREEMENT without first obtaining the expressed written consent and permission of the other party, except as provided for in THIS AGREEMENT. Notwithstanding the foregoing, the COUNTY may subcontract the performance of its obligations herein related to the IMPROVEMENT AND DRAINAGE WORK, provided the COUNTY shall remain responsible for the performance of all its obligations despite such subcontracts.

10. THIS AGREEMENT may be executed in multiple identical counterparts, and all of said counterparts shall, individually and taken together, constitute THIS AGREEMENT.

11. It is mutually agreed by and between the parties hereto that any notice required by the provisions of THIS AGREEMENT shall be mailed to:

If to the COUNTY:

Director of Transportation/County Engineer  
Lake County Division of Transportation  
600 West Winchester Road  
Libertyville, IL, 60048-1381

If to the PARK DISTRICT:

Executive Director  
Round Lake Area Park District  
814 Hart Road Road  
Round Lake, IL 60073

12. Except where otherwise provided in THIS AGREEMENT, the terms of THIS AGREEMENT shall be perpetual in nature and terminable only by the mutual written agreement of both parties.

13. THIS AGREEMENT shall be considered null and void in the event that the initial construction contract covering the improvements contemplated herein are not awarded by January 1, 2030.

**ROUND LAKE AREA PARK DISTRICT**

ATTEST: *Kate Gramoth*

*Board Secretary*  
Title:

By:   
President,  
ROUND LAKE AREA PARK DISTRICT

Date: *6/14/24*

**RECOMMENDED FOR EXECUTION**

\_\_\_\_\_  
Shane E. Schneider, P.E.  
Director of Transportation /County Engineer  
Lake County

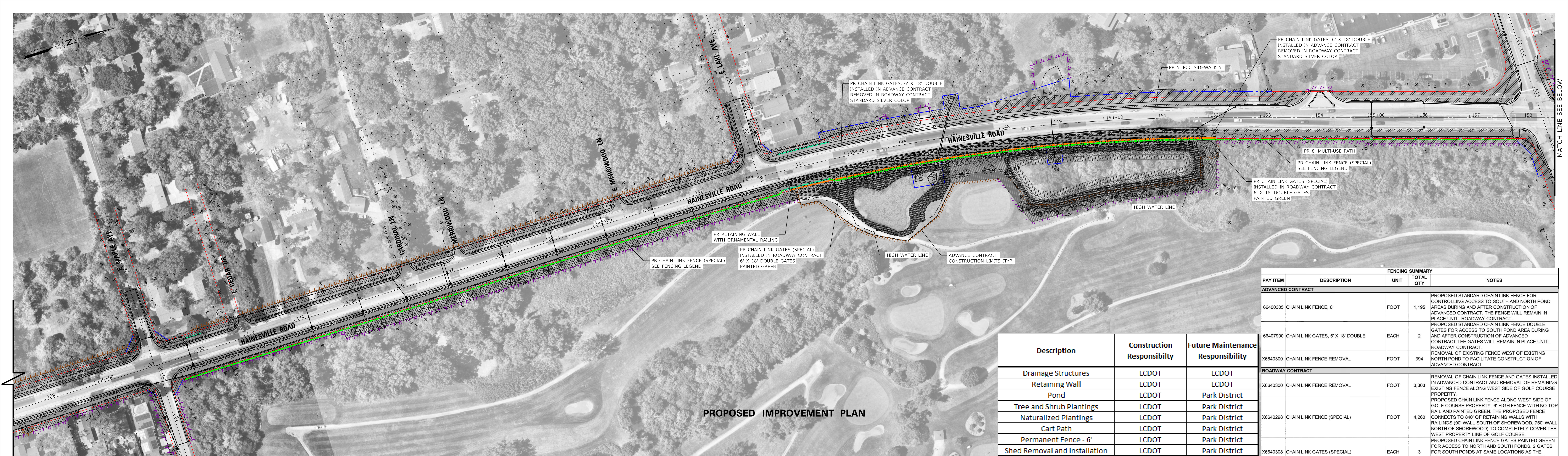
**COUNTY OF LAKE**

ATTEST:  
  
\_\_\_\_\_  
County Clerk

By: \_\_\_\_\_  
Chair  
Lake County Board

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

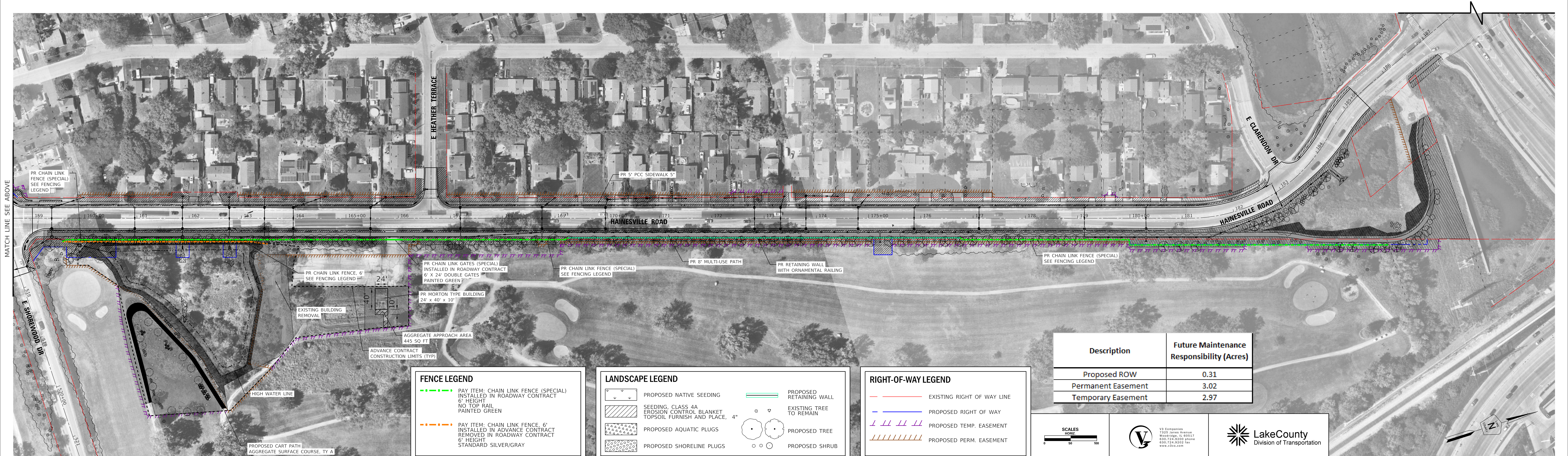
**Exhibit A**  
**Depiction of IMPROVEMENT and DRAINAGE WORK**



**PROPOSED IMPROVEMENT PLAN**

Description	Construction Responsibility	Future Maintenance Responsibility
Drainage Structures	LCDOT	LCDOT
Retaining Wall	LCDOT	LCDOT
Pond	LCDOT	Park District
Tree and Shrub Plantings	LCDOT	Park District
Naturalized Plantings	LCDOT	Park District
Cart Path	LCDOT	Park District
Permanent Fence - 6'	LCDOT	Park District
Shed Removal and Installation	LCDOT	Park District
Irrigation Removal & Installation	Park District	Park District

FENCING SUMMARY				
PAY ITEM	DESCRIPTION	UNIT	TOTAL QTY	NOTES
<b>ADVANCED CONTRACT</b>				
66400305	CHAIN LINK FENCE, 6'	FOOT	1,195	PROPOSED STANDARD CHAIN LINK FENCE FOR CONTROLLING ACCESS TO SOUTH AND NORTH POND AREAS DURING AND AFTER CONSTRUCTION OF ADVANCED CONTRACT. THE FENCE WILL REMAIN IN PLACE UNTIL ROADWAY CONTRACT.
66407900	CHAIN LINK GATES, 6' X 18' DOUBLE	EACH	2	PROPOSED STANDARD CHAIN LINK FENCE DOUBLE GATES FOR ACCESS TO SOUTH POND AREA DURING AND AFTER CONSTRUCTION OF ADVANCED CONTRACT. THE GATES WILL REMAIN IN PLACE UNTIL ROADWAY CONTRACT.
X6840300	CHAIN LINK FENCE REMOVAL	FOOT	394	REMOVAL OF EXISTING FENCE WEST OF EXISTING NORTH POND TO FACILITATE CONSTRUCTION OF ADVANCED CONTRACT.
<b>ROADWAY CONTRACT</b>				
X6840300	CHAIN LINK FENCE REMOVAL	FOOT	3,303	REMOVAL OF CHAIN LINK FENCE AND GATES INSTALLED IN ADVANCED CONTRACT AND REMOVAL OF REMAINING EXISTING FENCE ALONG WEST SIDE OF GOLF COURSE PROPERTY.
X6840288	CHAIN LINK FENCE (SPECIAL)	FOOT	4,260	PROPOSED CHAIN LINK FENCE ALONG WEST SIDE OF GOLF COURSE PROPERTY. 6' HIGH FENCE WITH NO TOP RAIL AND PAINTED GREEN. THE PROPOSED FENCE CONNECTS TO 840' OF RETAINING WALLS WITH RAILINGS (80' WALL SOUTH OF SHOREWOOD, 750' WALL NORTH OF SHOREWOOD) TO COMPLETELY COVER THE WEST PROPERTY LINE OF GOLF COURSE.
X6840308	CHAIN LINK GATES (SPECIAL)	EACH	3	PROPOSED CHAIN LINK FENCE GATES PAINTED GREEN FOR ACCESS TO NORTH AND SOUTH PONDS. 2 GATES FOR SOUTH PONDS AT SAME LOCATIONS AS THE GATES IN THE ADVANCED CONTRACT. 1 GATE FOR NORTH POND AT EXISTING MAINTENANCE ENTRANCE.



**FENCE LEGEND**

	PAY ITEM: CHAIN LINK FENCE (SPECIAL) INSTALLED IN ROADWAY CONTRACT 6' HEIGHT NO TOP RAIL PAINTED GREEN
	PAY ITEM: CHAIN LINK FENCE, 6' INSTALLED IN ADVANCED CONTRACT REMOVED IN ROADWAY CONTRACT 6' HEIGHT STANDARD SILVER/GRAY

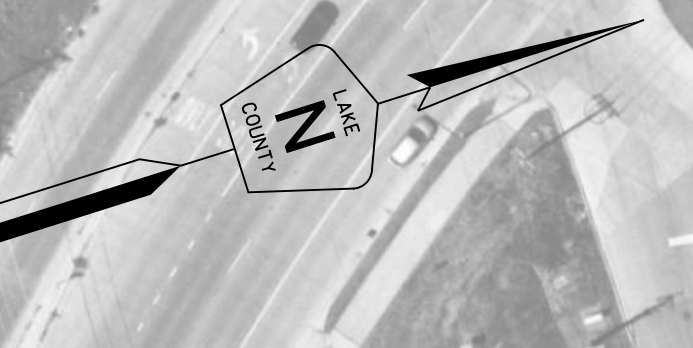
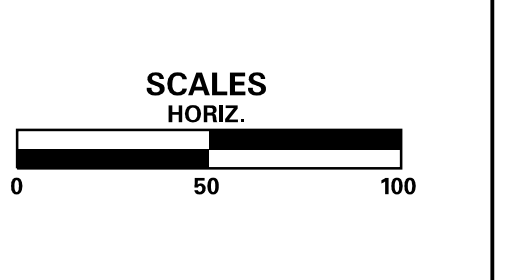
**LANDSCAPE LEGEND**

	PROPOSED NATIVE SEEDING		PROPOSED RETAINING WALL
	SEEDING, CLASS 4A EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 4"		EXISTING TREE TO REMAIN
	PROPOSED AQUATIC PLUGS		PROPOSED TREE
	PROPOSED SHORELINE PLUGS		PROPOSED SHRUB

**RIGHT-OF-WAY LEGEND**

	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY
	PROPOSED TEMP. EASEMENT
	PROPOSED PERM. EASEMENT

Description	Future Maintenance Responsibility (Acres)
Proposed ROW	0.31
Permanent Easement	3.02
Temporary Easement	2.97

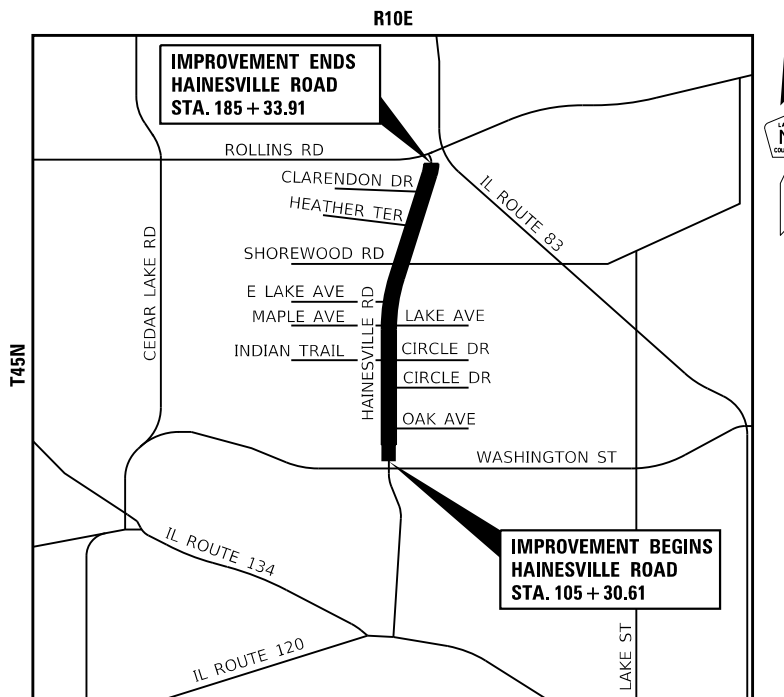


**Exhibit B**  
**Cover Sheet of PLANS for IMPROVEMENT and DRAINAGE WORK**

# STATE OF ILLINOIS COUNTY OF LAKE PLANS FOR PROPOSED HAINESVILLE ROAD IMPROVEMENTS FROM WASHINGTON STREET TO ROLLINS ROAD SECTION 19-00072-14-WR

05/03/2024

### PROJECT LOCATION



### DESIGN DESIGNATION:

HAINESVILLE ROAD (V66) CO HWY 24 MINOR ARTERIAL (B-01482)

### FLEXIBLE PAVEMENT DESIGN:

DATE = 2021/03/10  
 PROJECT = HAINESVILLE ROAD  
 2021 ADT = 14,000  
 2050 ADT = 16,200  
 DESIGN PERIOD IN YEARS = 25  
 CONSTRUCTION YEAR = 2024  
 STRUCTURAL DESIGN TRAFFIC (SDT) = 15,030  
 PC = 97.5% = 14,654  
 SU = 1.5% = 226  
 MU = 1% = 150  
 LOAD LIMIT (73,280 STANDARD) OR 80,000 = 80,000  
 CLASS ROAD (1,2,3,4) = 2  
 SUBGRADE SUPPORT RATING = POOR  
 FLEXIBLE TRAFFIC FACTOR (TF) = 2.83  
 SELECTED DESIGN AC TYPE = 64-22  
 DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 73  
 DESIGN HOT-MIX ASPHALT CONCRETE MODULES = 760  
 DESIGN AC MICROSTRAIN = 89  
 PAVEMENT THICKNESS REQUIRED (INCHES) = 9.5  
 SUBGRADE = 12  
 DESIGN SPEED = 35 MPH; 40 MPH

### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	VOIDS
PAVEMENT WIDENING & RECONSTRUCTION, HAINESVILLE ROAD		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	PG 64-22	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	PG 64-22	4% @ 70 GYR
PAVEMENT RESURFACING, HAINESVILLE ROAD		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	PG 64-22	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.5"	PG 64-22	4% @ 70 GYR
PAVEMENT RECONSTRUCTION, SIDE ROADS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	PG 64-22	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	PG 64-22	4% @ 70 GYR
MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"	PG 64-22	4% @ 50 GYR
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2.5"	PG 64-22	4% @ 50 GYR
PAVEMENT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0); 12"	PG 64-22	4% @ 70 GYR
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 8"	PG 64-22	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

ROAD	STATION	STATION	LENGTH (FT.)	LENGTH (MI.)
HAINESVILLE ROAD	108+17.64	185+33.91	7,716.27	1.46
OAK AVENUE	10+00.00	11+99.39	199.39	0.04
CIRCLE DRIVE	20+00.00	21+50.00	150.00	0.03
INDIAN TRAIL	31+25.00	35+31.67	406.67	0.08
MAPLE AVE	43+48.00	45+00.00	152.00	0.03
LAKE AVE	50+00.00	51+57.80	157.80	0.03
E LAKE AVENUE	62+45.00	64+00.00	155.00	0.03
SHOREWOOD ROAD	515+50.32	517+75.00	224.68	0.04
HEATHER TERRACE	72+22.78	73+19.77	96.99	0.02
NET LENGTH OF IMPROVEMENT			9,258.62	1.75

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

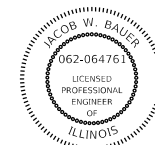
## EXHIBIT B

FOR UNDERGROUND UTILITY  
LOCATIONS, CALL

**J. U. L. I. E.**

TOLL FREE  
800-892-0123

V3 COMPANIES



JACOB W. BAUER, P.E.  
 NO. 062-064761  
 EXP. DATE: 11/30/2025  
 APPLY TO DRAWINGS:  
 1-447, 457-612

V3 COMPANIES



WILLIAM J. VEGRZYN, S.E.  
 NO. 081-004983  
 EXP. DATE: 11/30/2024  
 APPLY TO DRAWINGS:  
 448-456

Plans Prepared By:



Signature: \_\_\_\_\_  
 Date: 05/03/2024  
 Illinois License No: 062-064761  
 Expiration Date: 11/30/2025  
 Field: CIVIL  
 Approved By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 County Engineer

REVISIONS / REMARKS				
NO.	DESCRIPTION	DATE	BY	SURVEYOR:

FILE NAME: N:\2022\220770\Drawings\Mstr\CADD.Sheets\01220770-sht-cover01.dgn



HAINESVILLE ROAD

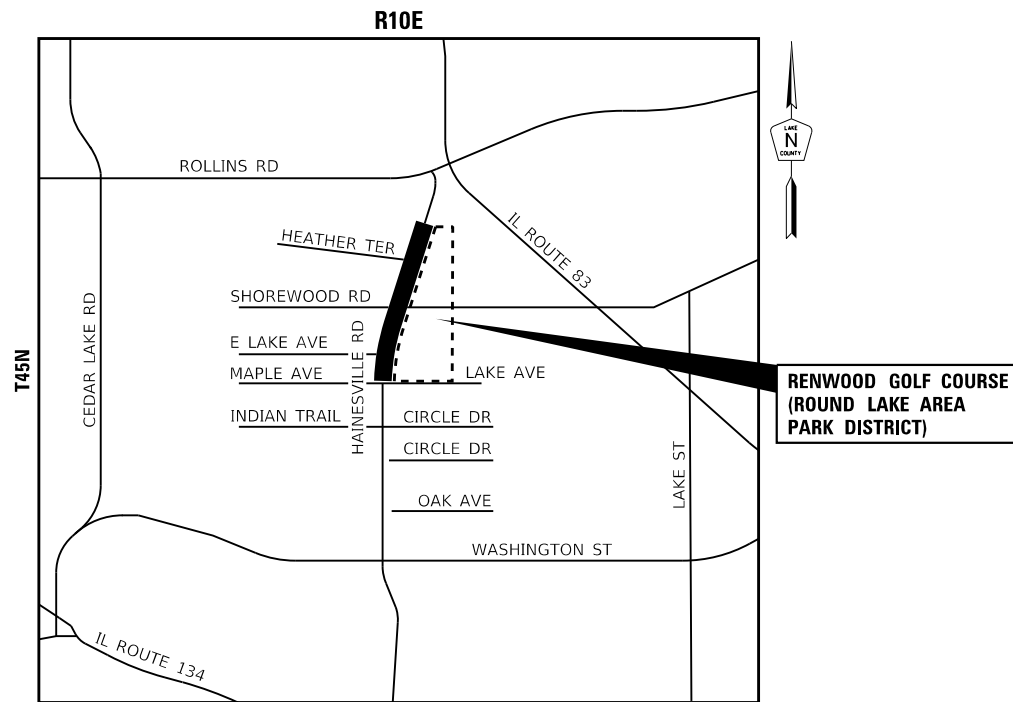
COVER SHEET

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH24	72	19-00072-14-WR	1	614

# STATE OF ILLINOIS COUNTY OF LAKE PLANS FOR PROPOSED HAINESVILLE ROAD IMPROVEMENTS ADVANCE GRADING AND DRAINAGE IMPROVEMENTS SECTION 23-00072-15-DR

05/03/2024

### PROJECT LOCATION



### DESIGN DESIGNATION:

HAINESVILLE ROAD (V66) CO HWY 24 MINOR ARTERIAL (B-01482)

### INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	COVER SHEET
2 - 3	GENERAL NOTES
4 - 7	SUMMARY OF QUANTITIES
8 - 13	SCHEDULE OF QUANTITIES
14	EARTHWORK SCHEDULE
15	EARTHWORK AREAS
16 - 18	SOIL BORINGS
19 - 20	DETENTION BASIN REPRESENTATIVE SECTIONS
21 - 26	ALIGNMENT, TIES, AND BENCHMARKS
27 - 35	PLAT OF HIGHWAYS
36	MAINTENANCE OF TRAFFIC NOTES
37	MAINTENANCE OF TRAFFIC PLAN
38	SOIL EROSION AND SEDIMENT CONTROL NOTES
39	SOIL EROSION, SEDIMENT CONTROL AND ACCESS PLAN
40	SOIL EROSION AND SEDIMENT CONTROL DETAILS
41 - 49	REMOVAL PLAN
50 - 53	PROPOSED SITE PLAN
54 - 55	DETENTION BASIN DRAINAGE AND GRADING PLAN
56	SOUTH POND SILT DETAIL
57 - 58	DRAINAGE DETAILS
59 - 62	LANDSCAPE PLAN
63 - 64	LANDSCAPE DETAILS
65 - 71	CROSS SECTIONS - HAINESVILLE ROAD
72 - 80	LCDOT STANDARD DETAILS
81 - 113	IDOT STANDARD DETAILS
114	IDOT DISTRICT I DETAILS

### HOT-MIX ASPHALT MIXTURE REQUIREMENTS


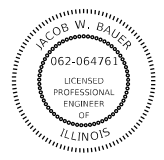

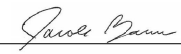
MIXTURE TYPE	AC TYPE	VOIDS
CLASS D PATCHES, 12" (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	PG 64-22	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	PG 64-22	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.



THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

**FOR UNDERGROUND UTILITY  
LOCATIONS, CALL  
J. U. L. I. E.  
TOLL FREE  
800-892-0123**

 <b>V3 COMPANIES</b>  <b>JACOB W. BAUER, P.E.</b> NO. 062-064761 EXP. DATE: 11/30/2025 APPLY TO DRAWINGS: 1 - 114	<b>Plans Prepared By:</b> 
	<b>Signature:</b>  <b>Date:</b> 05/03/2024 <b>Illinois License No:</b> 062-064761 <b>Expiration Date:</b> 11/30/2025 <b>Field:</b> CIVIL <b>Approved By:</b> _____ County Engineer <b>Date:</b> _____

**EXHIBIT B**

REVISIONS / REMARKS						 Lake County Division of Transportation	HAINESVILLE ROAD ADVANCE GRADING & DRAINAGE IMPROVEMENTS				ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
NO.	DESCRIPTION	DATE	BY	SURVEYOR:			COVER SHEET								



**Exhibit C  
Plat of Highways**

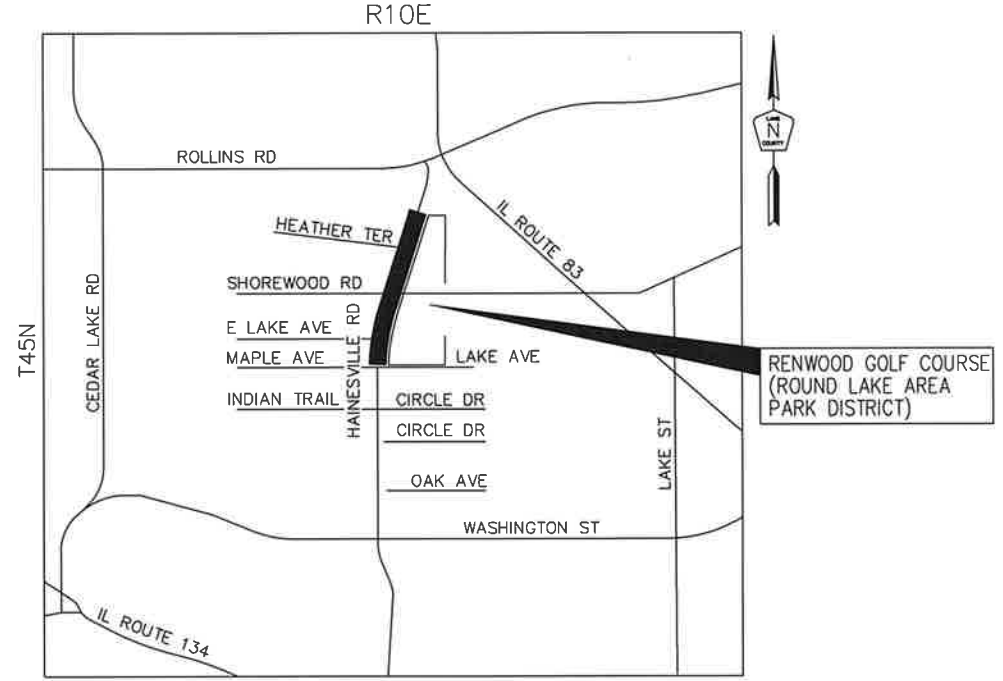
# LAKE COUNTY DIVISION OF TRANSPORTATION RIGHT OF WAY PLANS

**ROUTE: HAINESVILLE ROAD (V66) (COUNTY HIGHWAY 24)  
SECTION: 23-00072-15-DR  
COUNTY: LAKE  
LIMITS: LAKE AVENUE TO ROLLINS ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V66	23-00072-15-DR	LAKE		1
F.H.W.A. REC.	ILLINOIS	PROJECT		



**PROJECT LOCATION**



PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0090	Round Lake Area Park District	2-9	

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF LAKE    )

I, \_\_\_\_\_ COUNTY ENGINEER OF LAKE COUNTY, ILLINOIS, DO HEREBY APPROVE THE PLAT HEREON, PART OF HAINESVILLE ROAD, COUNTY HIGHWAY \_\_\_\_\_ IN SAID COUNTY, PREPARED BY V3 COMPANIES AT MY DIRECTION.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D., 20\_\_\_\_

\_\_\_\_\_  
COUNTY ENGINEER

REVISION DATE: \_\_\_\_\_

APPROVED \_\_\_\_\_ 20\_\_\_\_  
LOCAL AGENCY OFFICIAL

APPROVED \_\_\_\_\_ 20\_\_\_\_  
ENGINEER OF LAND ACQUISITION

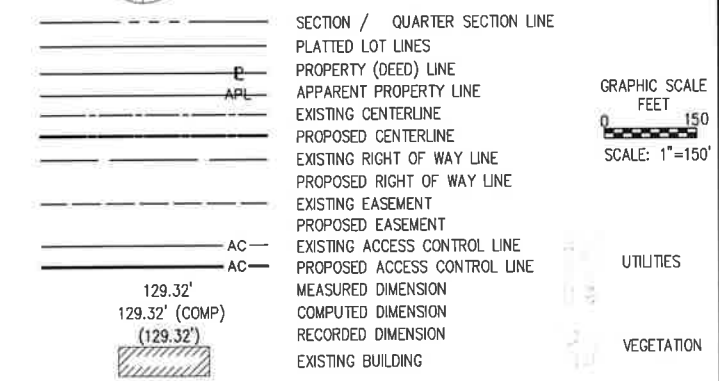
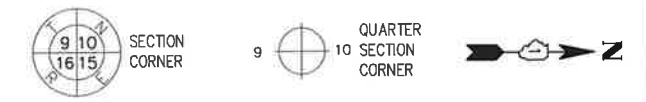
APPROVED \_\_\_\_\_ 20\_\_\_\_  
ENGINEER OF LOCAL ROADS & STREETS

APPROVED \_\_\_\_\_ 20\_\_\_\_  
DISTRICT ENGINEER

LAKE COUNTY  
DIVISION OF TRANSPORTATION

PART OF S.E. 1/4 OF SECTION 16 AND THE S.E. 1/4 AND N.E. 1/4 OF SECTION 21, TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROUND FOUND      ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET        ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "AJ3601".
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999487058.
  - AREAS SHOWN ON THIS PLAT ARE "GROUND".
  - FIELD SURVEY COMPLETED ON 09/29/20.

STATE OF ILLINOIS )  
 )SS  
 COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16 AND SECTION 21, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DIVISION OF TRANSPORTATION, COUNTY OF LAKE.

DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

FOR REVIEW

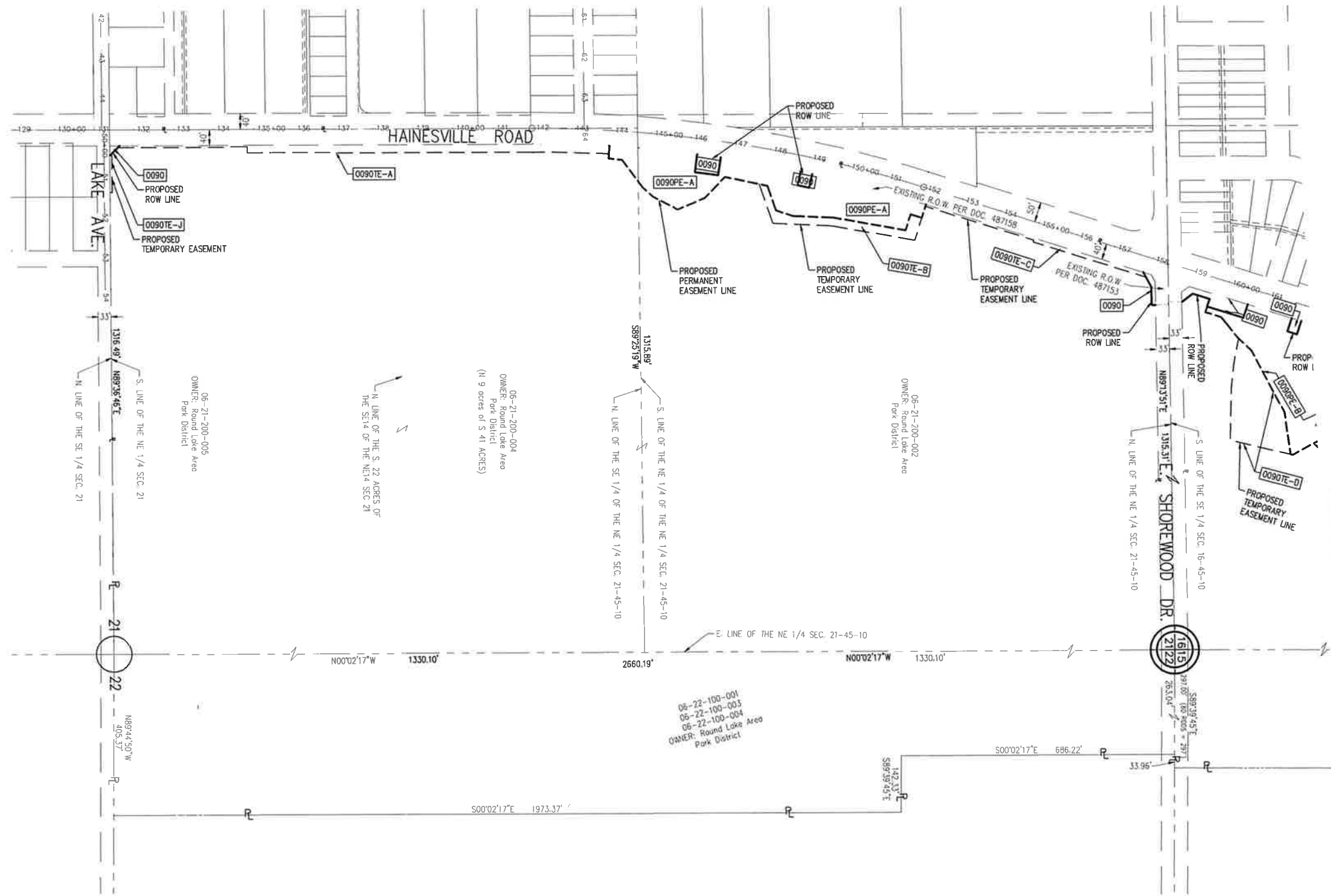
CHARLES W. BARTOSZ  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
 LICENSE EXPIRES ON NOVEMBER 30, 2024.  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
 cbartosz@v3co.com

**V** Engineers 7325 Janes Avenue, Suite 100  
 Scientists Woodridge, IL 60517  
 Surveyors 630.724.9200 voice  
 630.724.0384 fax  
 v3co.com

**PLAT OF HIGHWAYS**  
**LAKE COUNTY**  
**DIVISION OF TRANSPORTATION**  
**HAINESVILLE ROAD**

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
 SECTION: 23-00072-15-DR JOB NO.:  
 STA. 129+00 TO STA. 161+00  
 SCALE: 1" = 150' SHEET 2 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
 600 WEST WINCHESTER ROAD  
 LIBERTYVILLE, ILLINOIS 60048



SEE SHEET 3

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0090	148.1	0.397	5.000	142.703			06-22-100-001 06-22-100-003 06-22-100-004 06-21-200-002 06-21-200-004 06-21-200-005 06-16-400-005 06-15-300-005 06-15-300-009
0090PE-A					1.499	N/A	06-21-200-004
0090TE-A					0.454	N/A	06-21-200-005
0090TE-B					0.244	N/A	06-21-200-002
0090TE-C					0.100	N/A	06-21-200-002
0090TE-J					0.011	N/A	06-21-200-005

REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_



SECTION CORNER  
9 10 SECTION CORNER



- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE  
0 FEET 150  
SCALE: 1"=150'

- UTILITIES
- VEGETATION
- SIGN
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET

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STATE OF ILLINOIS )  
                                  )SS  
COUNTY OF DUPAGE )

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DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

**FOR REVIEW**

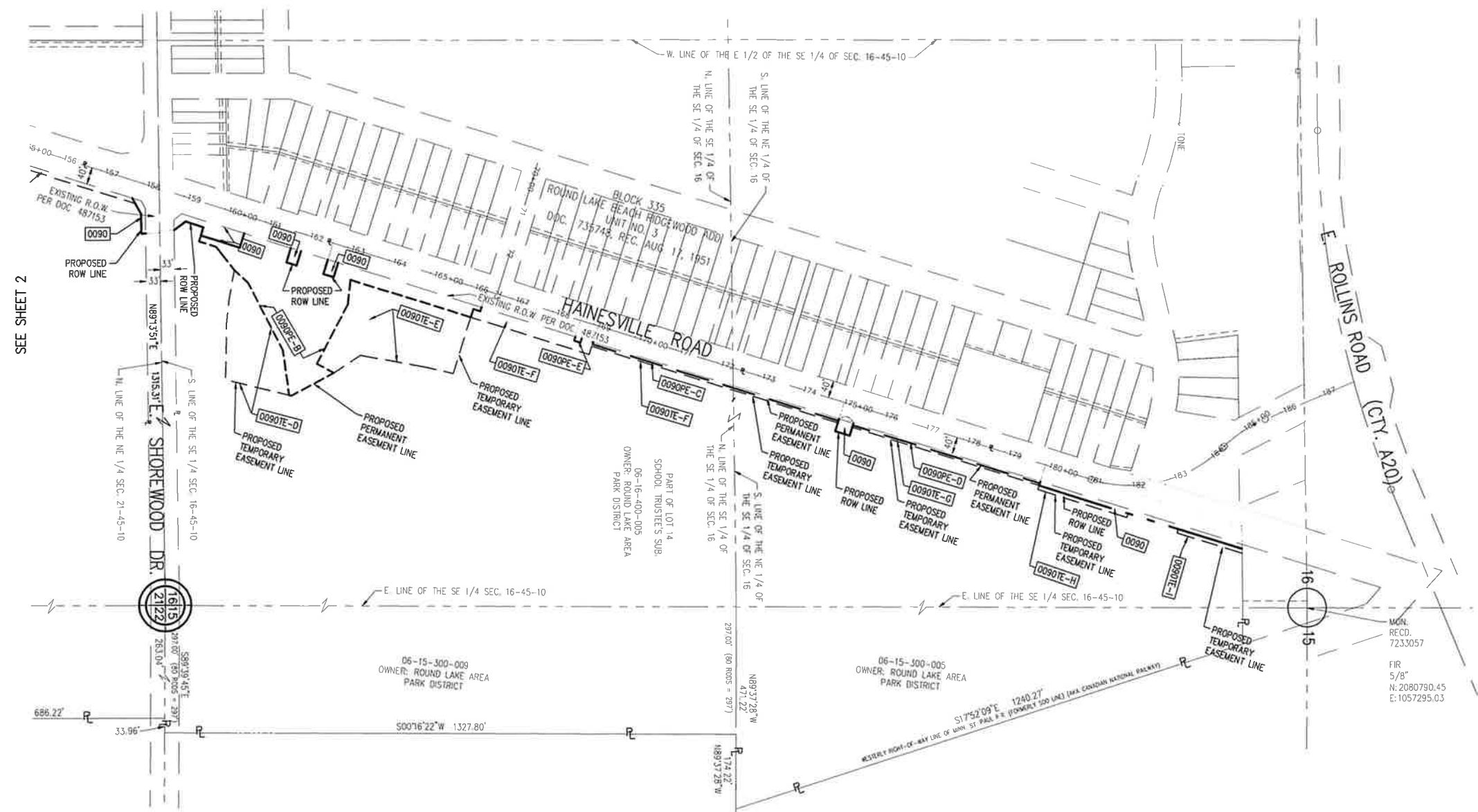
CHARLES W. BARTOSZ  
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cbartosz@v3co.com

**V** Engineers 7325 Janes Avenue, Suite 100  
Scientists 630.724.9200 voice  
Surveyors 630.724.0384 fax  
v3co.com

**PLAT OF HIGHWAYS**  
**LAKE COUNTY**  
**DIVISION OF TRANSPORTATION**  
**HAINESVILLE ROAD**

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
SECTION: 23-00072-15-DR JOB NO.:  
STA. 156+00 TO STA. 187+00  
SCALE: 1"= 150' SHEET 3 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
600 WEST WINCHESTER ROAD  
LIBERTYVILLE, ILLINOIS 60048

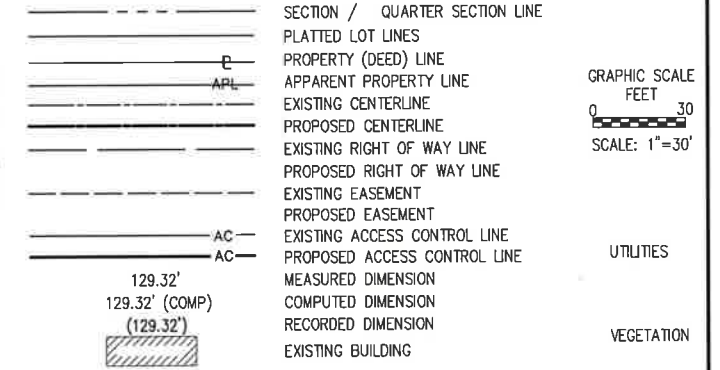
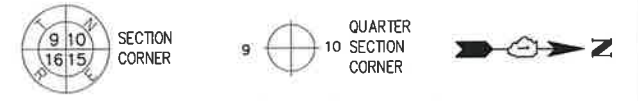


PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
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0090PE-B 0090PE-C 0090PE-D 0090PE-E 0090TE-D 0090TE-E 0090TE-F 0090TE-G 0090TE-H 0090TE-I					1.490 0.069 0.052 0.003 0.612 1.077 0.261 0.052 0.050 0.036	N/A N/A N/A 150 SQ.FT. N/A N/A N/A N/A N/A N/A	06-16-400-005

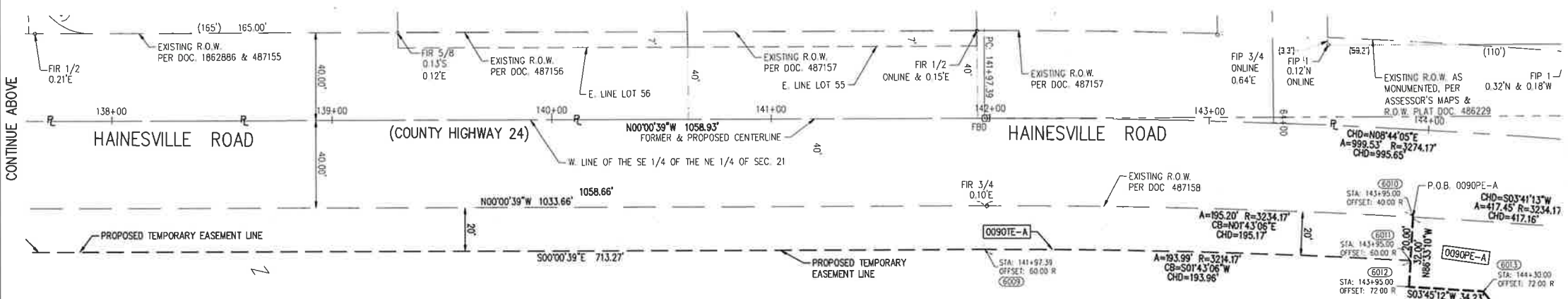
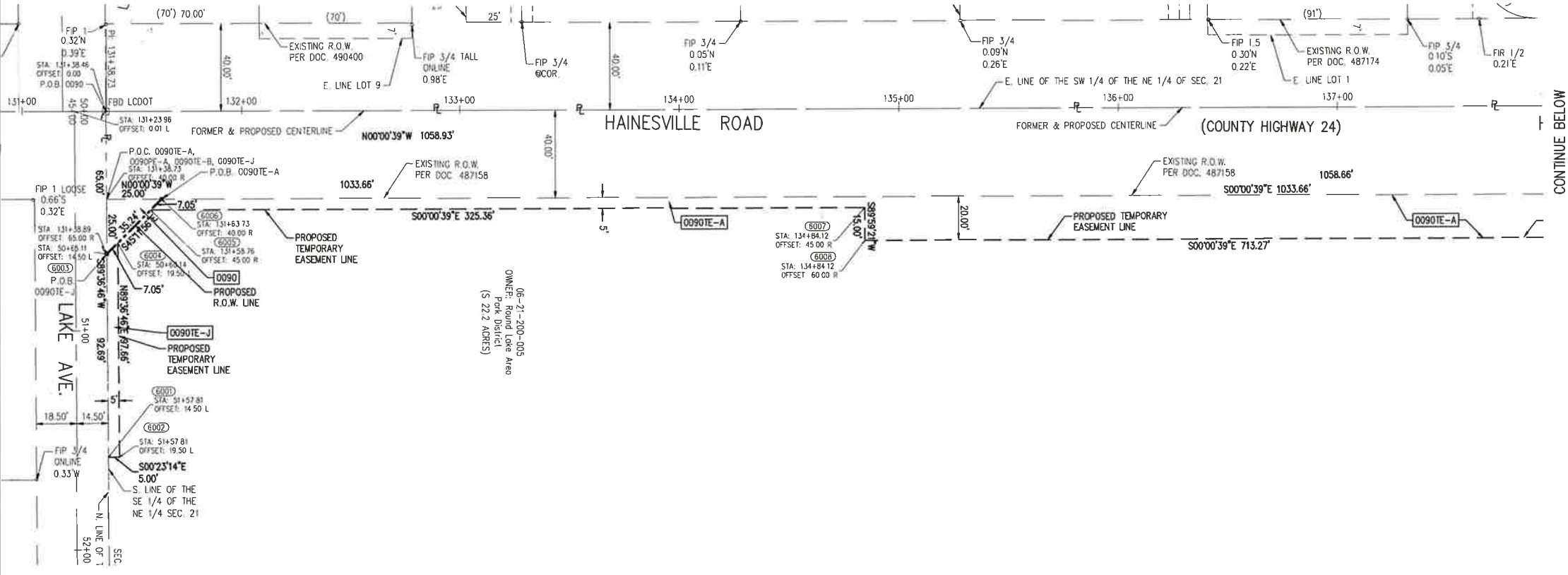
REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_

PART OF S.E. 1/4 OF SECTION 16 AND THE S.E. 1/4 AND N.E. 1/4 OF SECTION 21, TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET      ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS )  
 )SS  
 COUNTY OF DUPAGE )

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DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

**FOR REVIEW**

CHARLES W. BARTOSZ  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
 LICENSE EXPIRES ON NOVEMBER 30, 2024.  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
 cbartosz@v3co.com

**V** Engineers 7325 Janes Avenue, Suite 100  
 Scientists Woodridge, IL 60517  
 Surveyors 630.724.9200 voice  
 630.724.0384 fax  
 v3co.com

**PLAT OF HIGHWAYS**  
**LAKE COUNTY**  
**DIVISION OF TRANSPORTATION**  
**HAINESVILLE ROAD**

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
 SECTION: 23-00072-15-DR JOB NO.:  
 STA. 131+38.73 TO STA. 144+30  
 SCALE: 1" = 30' SHEET 4 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
 600 WEST WINCHESTER ROAD  
 LIBERTYVILLE, ILLINOIS 60048

PROJECT COORDINATES  
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6001	2075466.296	1056100.569	131+39.34	132.88'
6002	2075471.464	1056125.347	131+44.50	157.56'
6003	2075465.838	1056032.688	131+38.89	65.00'
6004	2075470.804	1056027.687	131+43.86	60.00'
6005	2075485.702	1056012.685	131+58.76	45.00'
6006	2075490.669	1056007.684	131+63.73	40.00'
6007	2075811.062	1056012.624	134+84.12	45.00'
6008	2075811.065	1056027.624	134+84.12	60.00'
6009	2076524.337	1056027.489	141+97.39	60.00'
6010	2076719.411	1056013.341	143+95	40.00'
6011	2076718.208	1056033.305	143+95	60.00'
6012	2076717.487	1056045.283	143+95	72.00'
6013	2076751.643	1056047.524	144+30	72.00'

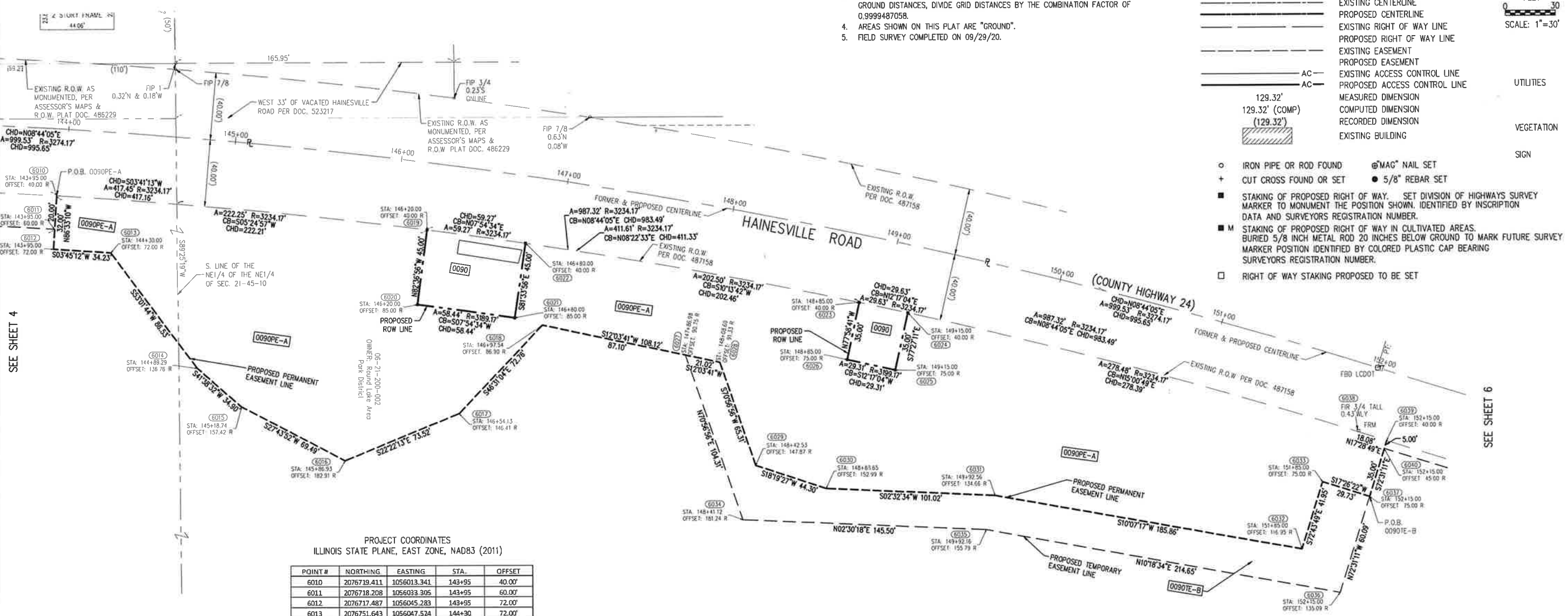
REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_

LEGEND

- SECTION CORNER
- QUARTER CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- UTILITIES
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- VEGETATION
- SIGN
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "AJ3601".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999487058.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- FIELD SURVEY COMPLETED ON 09/29/20.



PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6010	2076719.411	1056013.341	143+95	40.00'
6011	2076718.208	1056033.305	143+95	60.00'
6012	2076717.487	1056045.283	143+95	72.00'
6013	2076751.643	1056047.524	144+30	72.00'
6014	2076803.686	1056116.66	144+89.29	136.76'
6015	2076829.765	1056139.848	145+18.74	157.42'
6016	2076891.275	1056172.184	145+86.93	182.91'
6017	2076959.265	1056144.202	146+54.13	146.41'
6018	2077009.334	1056091.407	146+97.54	86.90'
6019	2076940.626	1056034.314	146+20	40.00'
6020	2076934.843	1056078.941	146+20	85.00'
6021	2076992.728	1056086.983	146+80	85.00'
6022	2076999.329	1056042.469	146+80	40.00'
6023	2077198.574	1056078.421	148+85	40.00'
6024	2077227.529	1056084.726	149+15	40.00'
6025	2077219.925	1056118.89	149+15	75.00'
6026	2077191.284	1056112.653	148+85	75.00'
6027	2077094.51	1056109.608	147+86.98	90.75'
6028	2077115.071	1056114.001	148+08.60	91.33'
6029	2077136.387	1056175.773	148+42.53	147.87'
6030	2077178.442	1056189.658	148+88.65	152.99'
6031	2077279.364	1056194.14	149+92.56	134.66'
6032	2077462.334	1056226.802	151+85	116.95'
6033	2077474.787	1056186.747	151+85	75.00'
6034	2077128.558	1056208.204	148+41.12	181.24'
6035	2077273.916	1056214.562	149+92.16	155.79'
6036	2077485.096	1056252.976	152+15	135.09'
6037	2077503.147	1056195.656	152+15	75.00'
6038	2077496.416	1056156.842	151+96.92	40.00'
6039	2077513.66	1056162.273	152+15	40.00'
6040	2077512.159	1056167.042	152+15	45.00'

STATE OF ILLINOIS )  
COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16 AND SECTION 21, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DIVISION OF TRANSPORTATION, COUNTY OF LAKE.

DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

FOR REVIEW

CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
LICENSE EXPIRES ON NOVEMBER 30, 2024.  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
cbartosz@v3co.com

REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_

**V** Engineers 7325 Janes Avenue, Suite 100  
Scientists Woodridge, IL 60517  
Surveyors 630.724.9200 voice  
630.724.0384 fax  
v3co.com

**PLAT OF HIGHWAYS**  
**LAKE COUNTY**  
**DIVISION OF TRANSPORTATION**  
**HAINESVILLE ROAD**

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
SECTION: 23-00072-15-DR JOB NO.:  
STA. 143+95 TO STA. 152+15  
SCALE: 1" = 30' SHEET 5 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
600 WEST WINCHESTER ROAD  
LIBERTYVILLE, ILLINOIS 60048

PART OF S.E. 1/4 OF SECTION 16 AND THE S.E. 1/4 AND N.E. 1/4 OF SECTION 21, TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE  
FEET  
0 30  
SCALE: 1"=30'

UTILITIES

VEGETATION

SIGN

- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "A13601".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999487058.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 09/29/20.

STATE OF ILLINOIS )

COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16 AND SECTION 21, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DIVISION OF TRANSPORTATION, COUNTY OF LAKE.

DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

FOR REVIEW

CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
LICENSE EXPIRES ON NOVEMBER 30, 2024.  
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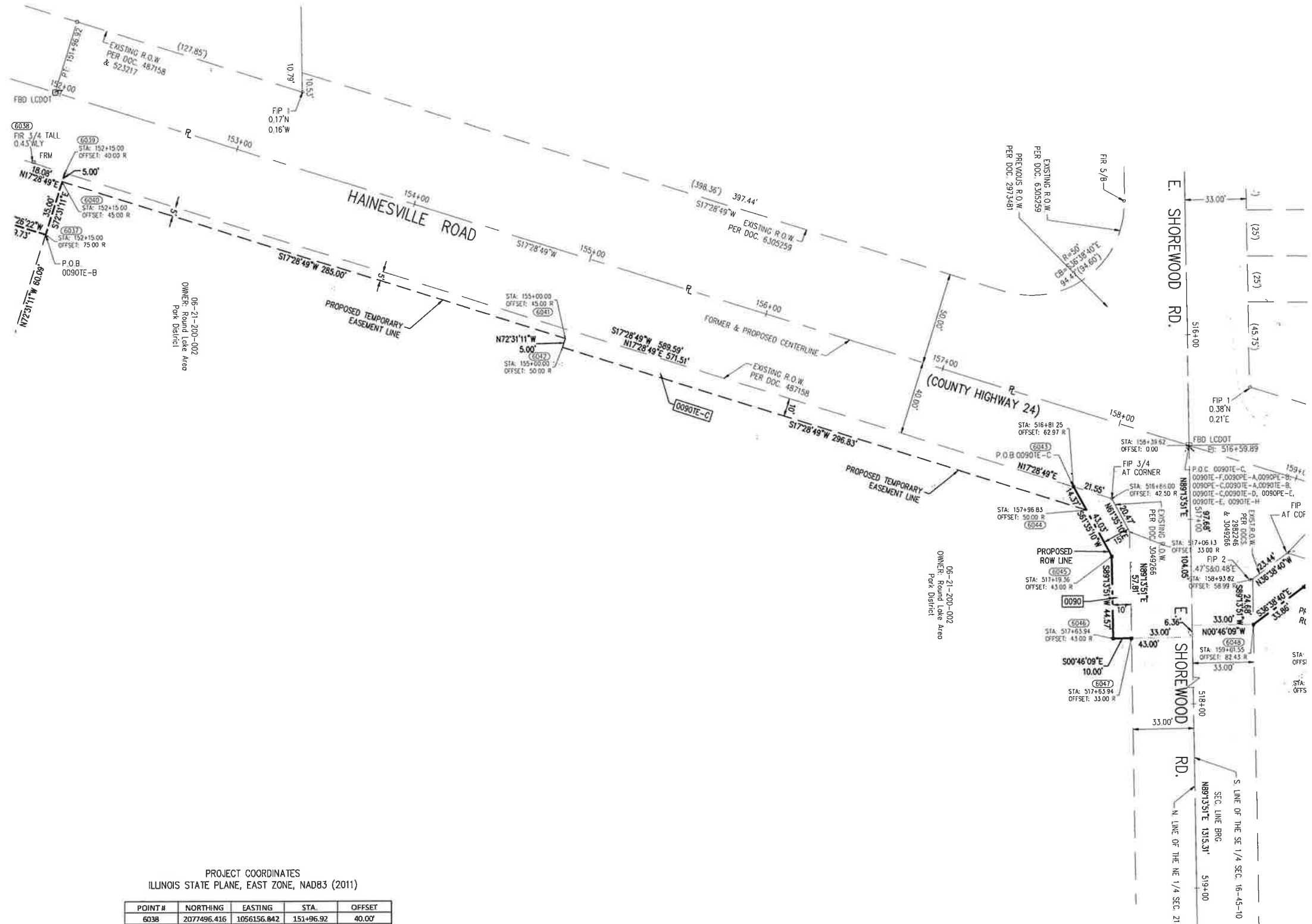
**PLAT OF HIGHWAYS**  
LAKE COUNTY  
DIVISION OF TRANSPORTATION  
HAINESVILLE ROAD

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
SECTION: 23-00072-15-DR JOB NO.:  
STA. 152+15 TO STA. 159+00  
SCALE: 1"= 30' SHEET 6 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
600 WEST WINCHESTER ROAD  
LIBERTYVILLE, ILLINOIS 60048

SEE SHEET 5

SEE SHEET 7

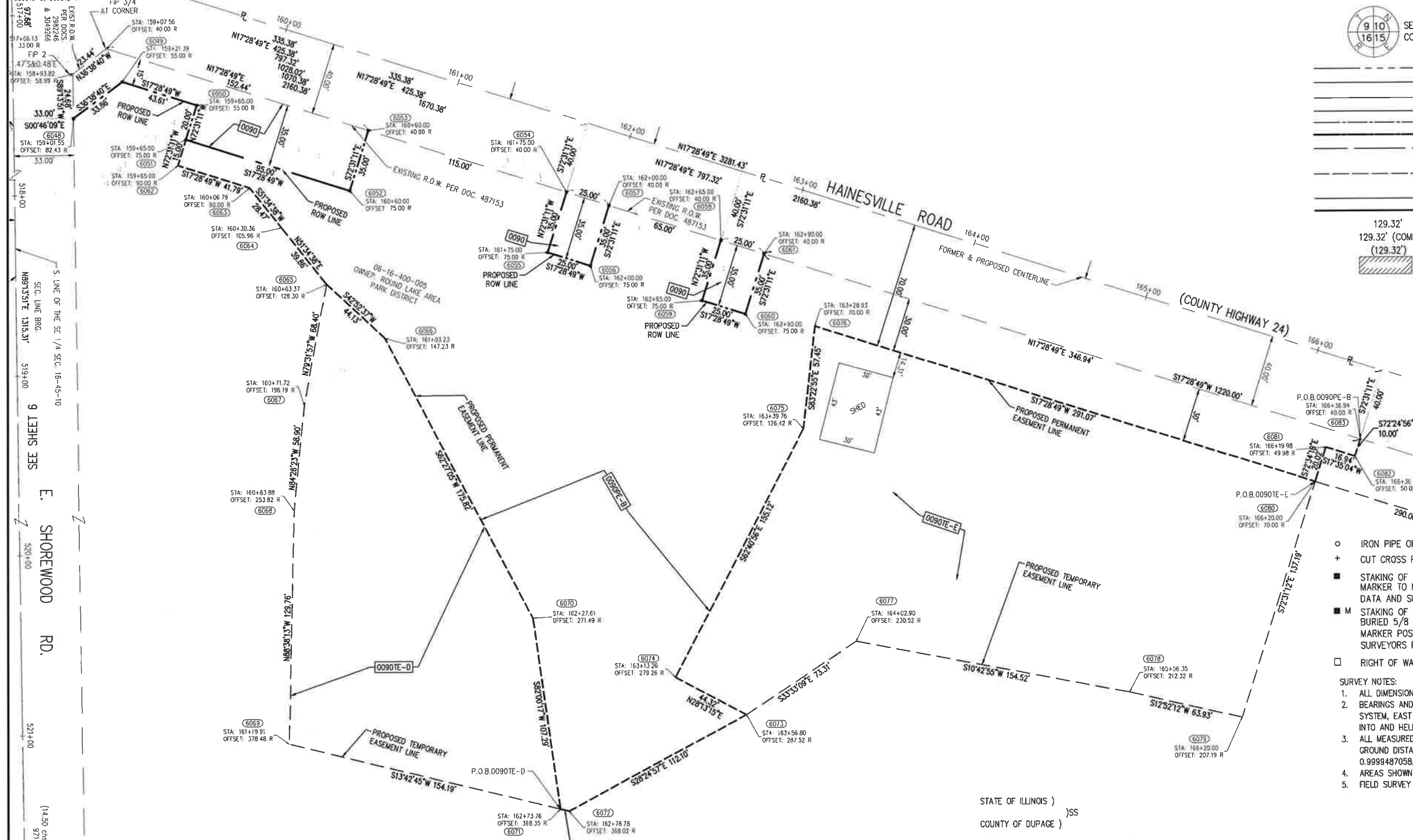


PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6038	2077496.416	1056156.842	151+96.92	40.00'
6039	2077513.66	1056162.273	152+15	40.00'
6040	2077512.159	1056167.042	152+15	45.00'
6041	2077783.997	1056252.649	155+00	45.00'
6042	2077782.496	1056257.418	155+00	50.00'
6043	2078058.781	1056333.942	157+86.51	40.00'
6044	2078065.618	1056346.58	157+86.83	50.00'
6045	2078079.256	1056371.788	158+17.41	69.95'
6046	2078079.855	1056416.357	158+31.37	112.28'
6047	2078089.854	1056416.222	158+40.87	109.15'
6048	2078155.762	1056408.973	159+01.55	82.43'

REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_

PART OF S.E. 1/4 OF SECTION 16 AND THE S.E. 1/4 AND N.E. 1/4 OF SECTION 21, TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



**LEGEND**

SECTION CORNER: 9 10 16 15

QUARTER SECTION CORNER: 9 10

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

UTILITIES

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

VEGETATION

SIGN

GRAPHIC SCALE: 0 FEET 30 FEET

SCALE: 1"=30'

S. LINE OF THE SE 1/4 SEC. 16-45-10

SEC. LINE BRG.

N89°13'51"E 1315.37'

S19+00

9 SHEETS SEE

E. SHOREWOOD RD.

S21+00

(14.50 CHG. = 95')

S22+00

PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6048	2078155.762	1056408.973	159+01.55	82.43'
6049	2078182.929	1056388.765	159+21.39	55.00'
6050	2078224.52	1056401.863	159+65	55.00'
6051	2078218.513	1056420.94	159+65	75.00'
6052	2078309.125	1056449.475	160+60	75.00'
6053	2078319.639	1056416.092	160+60	40.00'
6054	2078429.328	1056450.635	161+75	40.00'
6055	2078418.815	1056484.019	161+75	75.00'
6056	2078442.66	1056491.528	162+00	75.00'
6057	2078453.174	1056458.145	162+00	40.00'
6058	2078515.172	1056477.669	162+65	40.00'
6059	2078504.659	1056511.053	162+65	75.00'
6060	2078528.504	1056518.562	162+90	75.00'
6061	2078539.017	1056485.179	162+90	40.00'
6062	2078214.007	1056435.247	159+65	90.00'
6063	2078253.866	1056447.799	160+06.79	90.00'
6064	2078271.556	1056470.101	160+30.36	105.96'
6065	2078296.327	1056501.328	160+63.37	128.30'

PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6066	2078328.663	1056531.353	161+03.23	147.23'
6067	2078296.327	1056501.328	160+63.37	128.30'
6068	2078278.194	1056627.209	160+83.88	253.82'
6069	2078275.107	1056756.936	161+19.91	378.48'
6070	2078409.978	1056687.235	162+27.61	271.49'
6071	2078424.902	1056793.486	162+73.76	368.35'
6072	2078429.328	1056794.678	162+78.78	368.02'
6073	2078528.378	1056741.333	163+56.80	287.52'
6074	2078489.331	1056720.378	163+13.26	279.26'
6075	2078560.52	1056582.556	163+39.76	126.42'
6076	2078567.141	1056525.488	163+28.93	70.00'
6077	2078589.477	1056700.812	164+02.90	230.52'
6078	2078741.307	1056729.542	165+56.35	212.32'
6079	2078803.56	1056743.769	166+20	207.19'
6080	2078844.767	1056612.918	166+20	70.00'
6081	2078850.762	1056593.82	166+19.98	49.98'
6082	2078866.914	1056598.998	166+36.93	50.01'
6083	2078869.935	1056589.406	166+36.94	40.01'

- IRON PIPE OR ROD FOUND
  - ⊕ CUT CROSS FOUND OR SET
  - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - RIGHT OF WAY STAKING PROPOSED TO BE SET
  - ⊙ "MAG" NAIL SET
  - 5/8" REBAR SET
- SURVEY NOTES:**
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "AJ3601".
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999487058.
  - AREAS SHOWN ON THIS PLAT ARE "GROUND".
  - FIELD SURVEY COMPLETED ON 09/29/20.

STATE OF ILLINOIS )  
COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 184000902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16 AND SECTION 21, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DIVISION OF TRANSPORTATION, COUNTY OF LAKE.

DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

**FOR REVIEW**

CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
LICENSE EXPIRES ON NOVEMBER 30, 2024.  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
cbartosz@v3co.com

REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_

**V** Engineers 7325 Janes Avenue, Suite 100  
Scientists Woodridge, IL 60517  
Surveyors 630.724.9200 voice  
630.724.0384 fax  
v3co.com

**PLAT OF HIGHWAYS**  
LAKE COUNTY  
DIVISION OF TRANSPORTATION  
HAINESVILLE ROAD

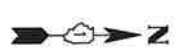
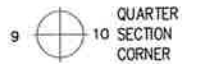
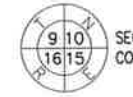
LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
SECTION: 23-00072-15-DR JOB NO:  
STA. 158+93.52 TO STA. 166+36.93  
SCALE: 1"= 30' SHEET 7 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
600 WEST WINCHESTER ROAD  
LIBERTYVILLE, ILLINOIS 60048

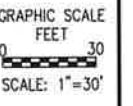


PART OF S.E. 1/4 OF SECTION 16 AND THE S.E. 1/4 AND N.E. 1/4 OF SECTION 21, TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING



- UTILITIES
- VEGETATION
- SIGN
- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- ⊙ MAG NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "AJ3601".
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  - FIELD SURVEY COMPLETED ON 09/29/20.

STATE OF ILLINOIS )  
                                  )SS  
COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, VJ COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16 AND SECTION 21, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DIVISION OF TRANSPORTATION, COUNTY OF LAKE.

DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

FOR REVIEW  
CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
LICENSE EXPIRES ON NOVEMBER 30, 2024.  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
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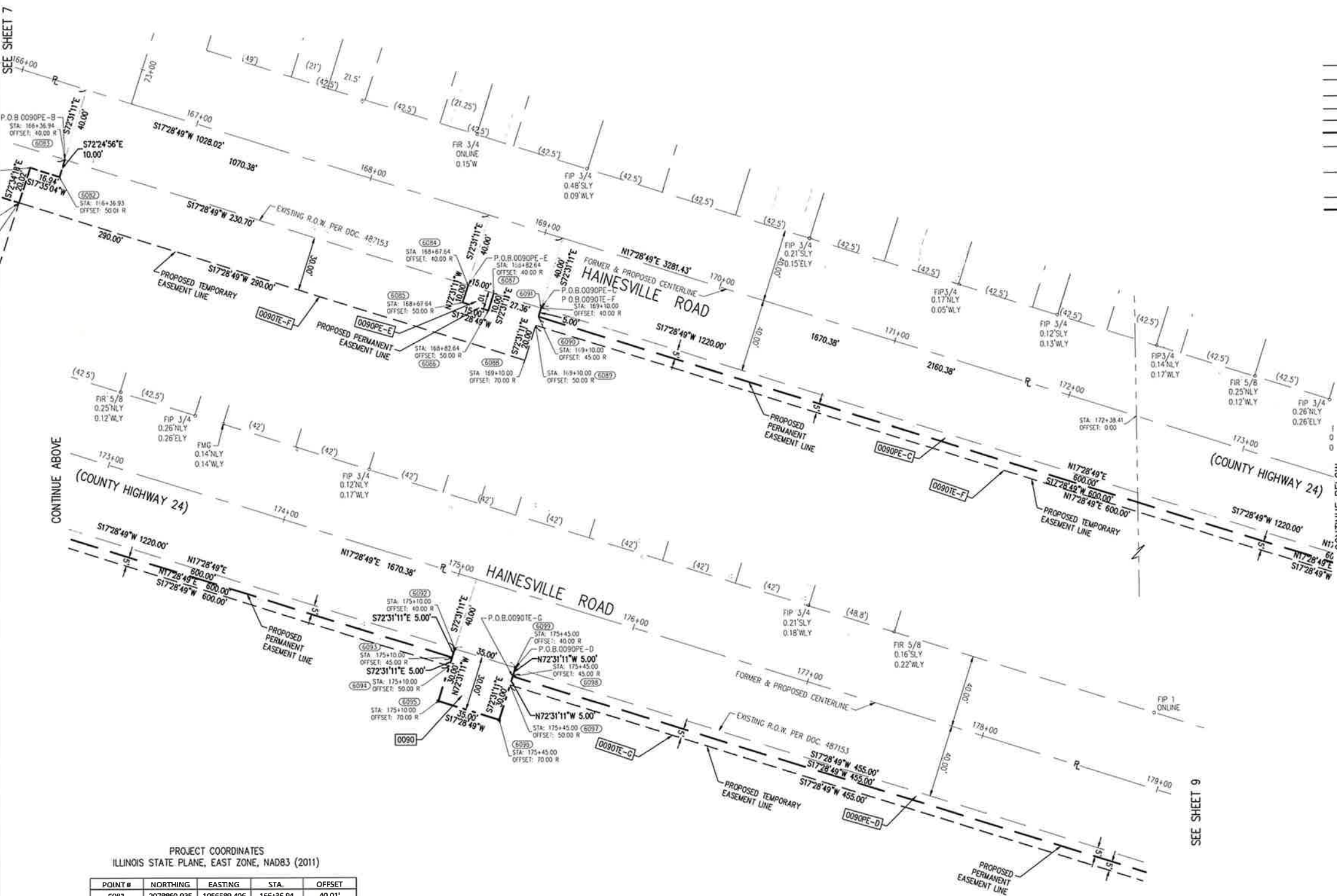


Engineers 7325 Janes Avenue, Suite 100  
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**PLAT OF HIGHWAYS**  
LAKE COUNTY  
DIVISION OF TRANSPORTATION  
HAINESVILLE ROAD

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
SECTION: 23-00072-15-DR JOB NO.:  
STA. 166+36.93 TO STA. 179+00  
SCALE: 1"=30' SHEET 8 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
600 WEST WINCHESTER ROAD  
LIBERTYVILLE, ILLINOIS 60048



PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6083	2078869.935	1056589.406	166+36.94	40.01'
6084	2079089.984	1056658.689	168+67.64	40.00'
6085	2079086.98	1056668.227	168+67.64	50.00'
6086	2079101.288	1056672.733	168+82.64	50.00'
6087	2079104.292	1056663.195	168+82.64	40.00'
6088	2079121.375	1056700.027	169+10	70.00'
6089	2079127.382	1056680.951	169+10	50.00'
6090	2079128.884	1056676.182	169+10	45.00'
6091	2079130.386	1056671.413	169+10	40.00'
6092	2079702.678	1056851.639	175+10	40.00'
6093	2079701.176	1056856.408	175+10	45.00'
6094	2079699.674	1056861.177	175+10	50.00'
6095	2079693.667	1056880.254	175+10	70.00'
6096	2079727.051	1056890.767	175+45	70.00'
6097	2079733.058	1056871.691	175+45	50.00'
6098	2079734.56	1056866.922	175+45	45.00'
6099	2079736.062	1056862.152	175+45	40.00'

REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE FEET

SCALE: 1"=30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- UTILITIES
- VEGETATION
- SIGN

- IRON PIPE OR ROD FOUND
- MAG<sup>®</sup> NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID", TIED INTO AND HELD N.G.S. MONUMENT "AJ3601".
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999487058.
  - AREAS SHOWN ON THIS PLAT ARE "GROUND".
  - FIELD SURVEY COMPLETED ON 09/29/20.

STATE OF ILLINOIS )  
 )SS  
 COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16 AND SECTION 21, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DIVISION OF TRANSPORTATION, COUNTY OF LAKE.

DATED AT WOODRIDGE, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

FOR REVIEW

CHARLES W. BARTOSZ  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
 LICENSE EXPIRES ON NOVEMBER 30, 2024.  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.  
 cbartosz@v3co.com



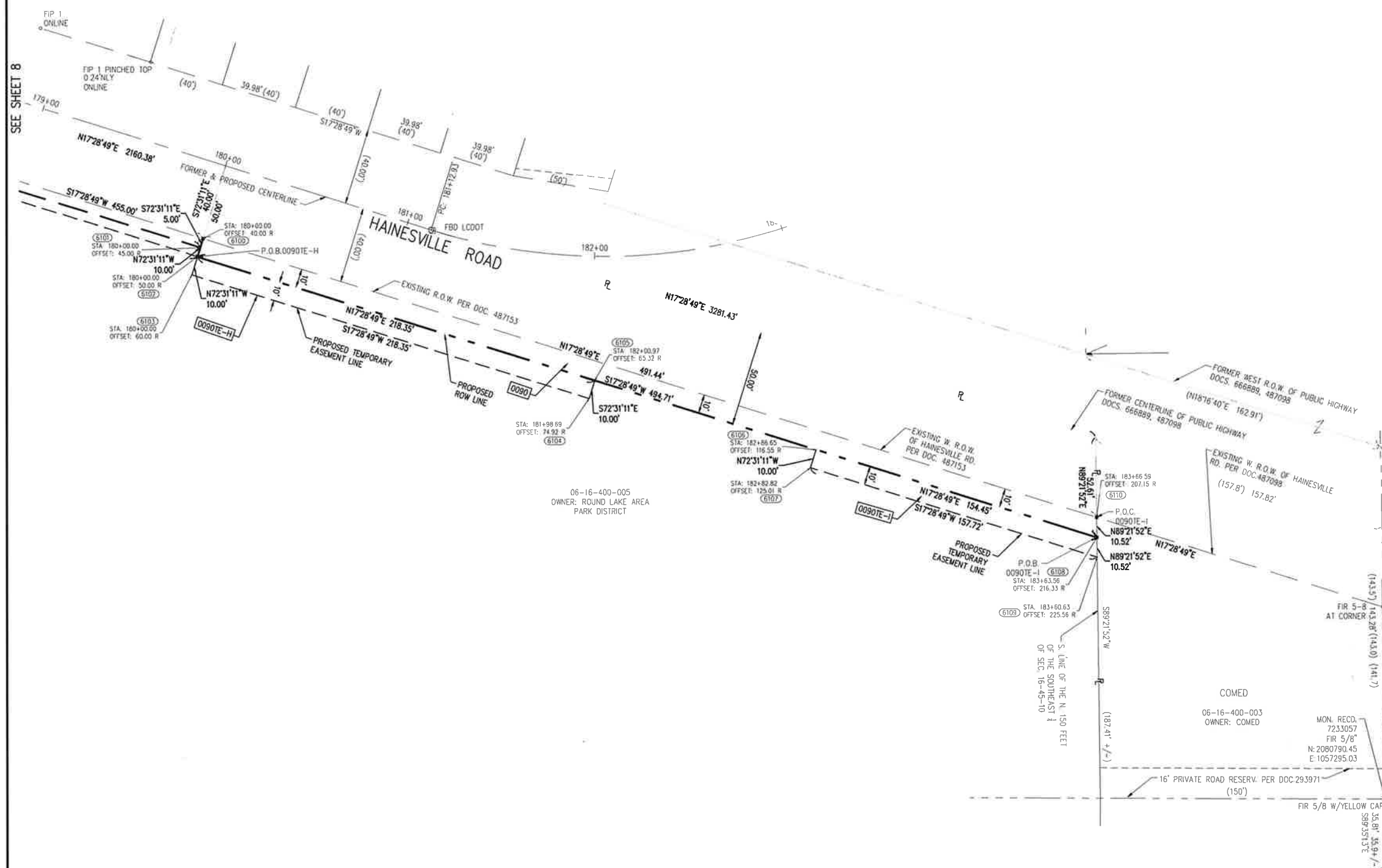
Engineers 7325 Janes Avenue, Suite 100  
 Scientists Woodridge, IL 60517  
 Surveyors 630.724.9200 voice  
 630.724.0384 fax  
 v3co.com

**PLAT OF HIGHWAYS**  
 LAKE COUNTY  
 DIVISION OF TRANSPORTATION  
 HAINESVILLE ROAD

LIMITS: LAKE AVENUE TO ROLLINS ROAD COUNTY: LAKE  
 SECTION: 23-00072-15-DR JOB NO.:  
 STA. 179+00 TO STA. 183+66.59  
 SCALE: 1"= 30' SHEET 9 OF 9 SHEETS

LAKE COUNTY DIVISION OF TRANSPORTATION  
 600 WEST WINCHESTER ROAD  
 LIBERTYVILLE, ILLINOIS 60048

REVISION DATE: \_\_\_\_\_ REVISION MADE BY: \_\_\_\_\_



PROJECT COORDINATES  
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT #	NORTHING	EASTING	STA.	OFFSET
6100	2080170.05	1056998.824	180+00	40.00'
6101	2080168.548	1057003.593	180+00	45.00'
6102	2080167.046	1057008.362	180+00	50.00'
6103	2080164.043	1057017.901	180+00	60.00'
6104	2080372.308	1057083.488	181+98.69	74.92'
6105	2080375.312	1057073.949	182+00.97	65.32'
6106	2080491.593	1057110.569	182+86.65	116.55'
6107	2080488.589	1057120.107	182+82.82	125.01'
6108	2080639.026	1057167.483	183+60.63	225.56'
6109	2080638.91	1057156.962	183+63.56	216.33'
6110	2080638.793	1057146.441	183+66.59	207.15'

**Exhibit D**  
**Legal Description of Parcels**

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090  
Station: 131+38.46 to 183+63.56  
Index No.: 06-16-400-005  
06-21-200-002  
06-21-200-004  
06-21-200-005

That part of the East Half of the Southeast Quarter of Section 16 and the East Half of the Northeast Quarter of Section 21, Township 45 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Beginning at the Southwest corner of the East Half of the Northeast Quarter of said Section 21; thence North 00 degrees 00 minutes 39 seconds West the west line of said East Half of the Northeast Quarter being also the centerline of Hainesville Road, 1058.93 to a point of curvature; thence northerly along an arc of a curve concave to the east being said centerline, having a radius of 3274.17 feet, having a chord bearing of North 08 degrees 44 minutes 05 seconds East, 999.53 feet to a point of tangency; thence North 17 degrees 28 minutes 49 seconds East along said centerline, 3281.43 feet to the south line of the north 150 feet of said east half of the Southeast Quarter of Section 16; thence North 89 degrees 21 minutes 52 seconds East, 52.61 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 50.00 feet easterly of and parallel with the centerline of said Hainesville Road, 494.71 feet; thence North 72 degrees 31 minutes 11 seconds West, 10.00 feet to the easterly right-of-way line of Hainesville Road per Document Number 487153; thence South 17 degrees 28 minutes 49 seconds West along said easterly right-of-way line, 455.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 30.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 30.00 feet easterly of and parallel with said easterly right-of-way line, 35.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 30.00 feet to said easterly right-of-way line; thence South 17 degrees 28 minutes 49 seconds West said easterly right-of-way line, 1220.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 35.00 feet easterly of and parallel with said easterly right-of-way line, 25.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 35.00 feet to said easterly right-of-way line; thence South 17 degrees 28 minutes 49 seconds West along said easterly right-of-way line, 65.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 35.00 feet easterly of and parallel with said easterly right-of-way line, 25.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 35.00 feet to said easterly right-of-way line; thence South 17 degrees 28 minutes 49 seconds West along said easterly right-of-way line, 115.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 35.00 feet easterly of and parallel with said easterly right-of-way line, 95.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 20.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 15.00 feet easterly of and parallel with said easterly right-

of-way line, 43.61 feet; thence South 36 degrees 38 minutes 40 seconds East, 33.86 feet; thence South 00 degrees 46 minutes 09 seconds East, 33.00 feet to the south line of the Southeast Quarter of Section 16; thence North 89 degrees 13 minutes 51 seconds East along said south line, 6.36 feet; thence South 00 degrees 46 minutes 09 seconds East, 43.00 feet; thence South 89 degrees 13 minutes 51 seconds West, 44.57 feet; thence South 61 degrees 35 minutes 10 seconds West, 43.03 feet to the easterly right-of-way line of Hainesville Road per Document Number 487158; thence South 17 degrees 28 minutes 49 seconds West along said easterly right-of-way line, 589.59 feet to a point of curvature; thence southerly along an arc of a curve concave to the east being also said easterly right-of-way line, having a radius of 3234.17 feet, having a chord bearing of South 15 degrees 00 minutes 49 seconds West, 278.48 feet to a point of non-tangency; thence South 77 degrees 32 minutes 26 seconds East, 35.00 feet; thence southerly along an arc of a curve concave to the east being concentric to and 35.00 feet easterly of said easterly right-of-way line, having a radius of 3199.17 feet, having a chord bearing of South 12 degrees 17 minutes 04 seconds West, 29.31 feet to a point of non-tangency; thence North 77 degrees 58 minutes 41 seconds West, 35.00 feet to said easterly right-of-way line of Hainesville Road; thence southerly along said easterly right-of-way line being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of South 10 degrees 13 minutes 42 seconds West, 202.50 feet to a point of non-tangency; thence South 81 degrees 33 minutes 56 seconds East, 45.00 feet; thence southerly along an arc of a curve concave to the east being concentric to and 45.00 feet easterly of said easterly right-of-way line, having a radius of 3189.17 feet, having a chord bearing of South 07 degrees 54 minutes 34 seconds West, 58.44 feet to a point of non-tangency; thence North 82 degrees 36 minutes 56 seconds West, 45.00 feet to said easterly right-of-way line of Hainesville Road; thence southerly along said easterly right-of-way line being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of South 03 degrees 41 minutes 13 seconds West, 417.45 feet to a point of tangency; thence South 00 degrees 00 minutes 39 seconds East along said easterly right-of-way line, 1033.66 feet; thence South 45 degrees 11 minutes 56 seconds East, 35.24 feet to the south line of the East Half of the Northeast Quarter of said Section 21; thence South 89 degrees 36 minutes 46 seconds West along said south line, 65.00 feet to the place of beginning, in Lake County, Illinois.

Said parcel containing 5.397 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090PE-A  
Station: 143+95.00 to 152+15.00  
Index No.: 06-21-200-002

That part of the East Half of the Northeast Quarter of Section 21, Township 45 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the south line of the Northeast Quarter of said Section 21 with the east right-of-way line of Hainesville Road per Document Number 487158; thence North 00 degrees 00 minutes 39 seconds west along said east right-of-way line, 1058.66 feet to a point of curvature; thence northerly along the easterly right-of-way line of said Hainesville Road, being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of North 01 degrees 43 minutes 06 seconds East, with a chord length of 195.17 feet, for a distance of 195.20 feet for the place of beginning; thence continuing northerly along said easterly right-of-way line being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of North 05 degrees 24 minutes 57 seconds East, with a chord length of 222.21 feet, for a distance 222.25 feet; thence South 82 degrees 36 minutes 56 seconds East, 40.00 feet; thence northerly along an arc of a curve concave to the east being 40.00 feet easterly of and concentric to said easterly right-of-way line of Hainesville Road, having a radius of 3194.17 feet, having a chord bearing of North 07 degrees 54 minutes 34 seconds East, with a chord length of 58.53 feet, for a distance of 58.53 feet; thence North 81 degrees 33 minutes 56 seconds West, 40.00 feet to said easterly right-of-way line of Hainesville Road; thence northerly along said easterly right-of-way line being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of North 10 degrees 11 minutes 04 seconds East, with a chord length of 197.56 feet, for a distance of 197.56 feet; thence South 78 degrees 03 minutes 56 seconds East, 35.00 feet; thence northerly along an arc of a curve concave to the east being 35.00 feet easterly of and concentric to said easterly right-of-way line of Hainesville Road, having a radius of 3199.17 feet, having a chord bearing of North 12 degrees 11 minutes 49 seconds East, with a chord length of 29.31 feet, for a distance of 29.31 feet; thence North 77 degrees 32 minutes 26 seconds West, 35.00 feet to said easterly right-of-way line of Hainesville Road; thence northerly along said easterly right-of-way line being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of North 14 degrees 58 minutes 11 seconds East, with a chord length of 283.32 feet, for a distance of 283.42 feet to a point of tangency; thence North 17 degrees 28 minutes 49 seconds East, 18.08 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet; thence South 17 degrees 26 minutes 22 seconds West, 29.73 feet; thence South 72 degrees 43 minutes 49 seconds East, 41.95 feet; thence South 10 degrees 07 minutes 17 seconds West, 185.86 feet; thence South 02 degrees 32 minutes 34 seconds West, 101.02 feet; thence South 18 degrees 19 minutes 27 seconds West, 44.30 feet; thence South 70 degrees 56 minutes 56 seconds West, 65.31 feet; thence South 12 degrees 03 minutes 41 seconds West, 108.12 feet; thence South 46 degrees 31

minutes 04 seconds East, 72.76 feet; thence South 22 degrees 22 minutes 13 seconds East, 73.52 feet; thence South 27 degrees 43 minutes 52 seconds West, 69.49 feet; thence South 41 degrees 38 minutes 32 seconds West, 34.90 feet; thence South 53 degrees 01 minutes 44 seconds West, 86.53 feet; thence South 03 degrees 45 minutes 12 seconds West, 34.23 feet; thence North 86 degrees 33 minutes 10 seconds West, 32.00 feet to the place of beginning.

Said permanent easement containing 1.499 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090PE-B  
Station: 159+65.00 to 166+36.94  
Index No.: 06-16-400-005

That part of lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the southeast quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 797.32 feet; thence South 72 degrees 31 minutes 11 seconds East, 40.00 feet to the easterly right-of-way line of Hainesville Road Per Document Number 487153 for the place of beginning; thence continuing South 72 degrees 24 minutes 56 seconds East, 10.00 feet; thence South 17 degrees 35 minutes 04 seconds West, 16.94 feet; thence South 72 degrees 34 minutes 18 seconds East, 20.02 feet; thence South 17 degrees 28 minutes 49 seconds West, 291.07 feet; thence South 83 degrees 22 minutes 55 seconds East, 57.45 feet; thence South 62 degrees 40 minutes 56 seconds East, 155.12 feet; thence North 28 degrees 13 minutes 15 seconds East, 44.32 feet; thence South 28 degrees 24 minutes 57 seconds East, 112.10 feet; thence South 13 degrees 42 minutes 45 seconds West, 5.03 feet; thence South 82 degrees 00 minutes 17 seconds West, 107.29 feet; thence South 62 degrees 27 minutes 05 seconds West, 175.82 feet; thence South 42 degrees 52 minutes 37 seconds West, 44.13 feet; thence South 51 degrees 34 minutes 38 seconds West, 39.86 feet; thence South 51 degrees 34 minutes 38 seconds West, 28.47 feet; thence South 17 degrees 28 minutes 49 seconds West, 41.79 feet; thence North 72 degrees 31 minutes 11 seconds West, 15.00 feet; thence North 17 degrees 28 minutes 49 seconds East, 95.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 35.00 feet to said easterly right-of-way line of Hainesville Road; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 115.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet; thence North 17 degrees 28 minutes 49 seconds East, 25.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 35.00 feet to said easterly right-of-way line; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 65.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet; thence North 17 degrees 28 minutes 49 seconds East, 25.00 feet; thence North 72 degrees 31 minutes 11 seconds West to said easterly right-of-way line, 35.00 feet; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 346.94 feet to the place of beginning.

Said permanent easement containing 1.490 acres, more or less.



Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090PE-C  
Station: 169+10.00 to 175+10.00  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 1070.38 feet; thence South 72 degrees 31 minutes 11 seconds East, 40.00 feet to the easterly right-of-way line of Hainesville Road per Document Number 487153 for the place of beginning; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 600.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 5.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 5.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville Road, 600.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 5.00 feet to the place of beginning.

Said permanent easement containing 0.069 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090PE-D  
Station: 175+45.00 to 180+00.00  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 1670.38 feet; thence South 72 degrees 31 minutes 11 seconds East, 40.00 feet to the easterly right-of-way line of Hainesville Road per document number 487153; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 35.00 feet for the place of beginning; thence continuing North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 455.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 5.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 5.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville Road, 455.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 5.00 feet to the place of beginning.

Said permanent easement containing 0.052 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090PE-E  
Station: 168+67.64 to 168+82.64  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 1028.02 feet; thence South 72 degrees 31 minutes 11 seconds East, 40.00 feet to the easterly right-of-way line of Hainesville Road per Document Number 487153 for the place of beginning; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 15.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 10.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 10.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville Road, 15.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 10.00 feet to the place of beginning.

Said permanent easement containing 0.003 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-A  
Station: 131+58.76 to 143+95.00  
Index No.: 06-21-200-005  
06-21-200-004

That part of the Southeast Quarter of the Northeast Quarter of Section 21, Township 45 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the south line of the Northeast Quarter of said Section 21 with the east right-of-way line of Hainesville Road per Document Number 487158; thence North 00 degrees 00 minutes 39 seconds West along said east right-of-way line, 25.00 feet for the place of beginning; thence continuing North 00 degrees 00 minutes 39 seconds West along said east right-of-way line, 1033.66 feet to a point of curvature; thence northerly along said easterly right-of-way line, being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of North 01 degrees 43 minutes 06 seconds East, with a chord length of 195.17 feet, for a distance of 195.20 feet; thence South 86 degrees 33 minutes 10 seconds East, 20.00 feet; thence southerly being 20.00 feet easterly concentric to and parallel with said easterly right-of-way line of Hainesville Road the following two (2) courses and distances: 1) along an arc of a curve concave to the east, having a radius of 3214.17 feet, having a chord bearing South 01 degrees 43 minutes 06 seconds West, with a chord length of 193.96 feet, for a distance of 193.99 feet to a point of tangency; 2) South 00 degrees 00 minutes 39 seconds East, 713.27 feet; thence South 89 degrees 59 minutes 21 seconds West, 15.00 feet; thence South 00 degrees 00 minutes 39 seconds East along a line 5.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville Road, 325.36 feet; thence North 45 degrees 11 minutes 56 seconds West, 7.05 feet to the place of beginning.

Said temporary easement containing 0.454 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-B  
Station: 147+86.98 to 152+15.00  
Index No.: 06-21-200-002

That part of the East Half of the Northeast Quarter of Section 21, Township 45 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances based on the Illinois state plane coordinate system, east zone, nad83 (2011 adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the south line of the Northeast Quarter of said Section 21 with the east right-of-way line of Hainesville road per Document Number 487158; thence North 00 degrees 00 minutes 39 seconds West along said east right-of-way line, 1058.66 feet to a point of curvature; thence northerly along the easterly right-of-way line of said Hainesville Road, being an arc of a curve concave to the east, having a radius of 3234.17 feet, having a chord bearing of North 08 degrees 44 minutes 05 seconds East, with a chord length of 983.49 feet, for a distance of 987.32 feet to a point of tangency; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 18.08 feet; thence South 72 degrees 31 minutes 11 seconds East, 35.00 feet for the place of beginning; thence South 17 degrees 26 minutes 22 seconds West, 29.73 feet; thence South 72 degrees 43 minutes 49 seconds East, 41.95 feet; thence South 10 degrees 07 minutes 17 seconds West, 185.86 feet; thence South 02 degrees 32 minutes 34 seconds West, 101.02 feet; thence South 18 degrees 19 minutes 27 seconds West, 44.30 feet; thence South 70 degrees 56 minutes 56 seconds West, 65.31 feet; thence South 12 degrees 03 minutes 41 seconds West, 21.02 feet; thence North 70 degrees 56 minutes 56 seconds East, 104.31 feet; thence North 02 degrees 30 minutes 18 seconds East, 145.50 feet; thence North 10 degrees 18 minutes 34 seconds East, 214.65 feet; thence North 72 degrees 31 minutes 11 seconds West, 60.09 feet to the place of beginning.

Said temporary easement containing 0.244 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-C  
Station: 152+15.00 to 157+96.83  
Index No.: 06-21-200-002

That part of the Northeast Quarter of Section 21, Township 45 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the north line of the Northeast Quarter of said Section 21; thence North 89 degrees 13 degrees 51 minutes east along said north line of the Northeast Quarter of Section 21, a distance of 104.05 feet; thence South 00 degrees 46 minutes 09 seconds East, 33.00 feet to the existing south right-of-way line of Shorewood Road as monumented and occupied; thence South 89 degrees 13 minutes 51 seconds West along said south right-of-way line, 57.81 feet; thence South 61 degrees 35 minutes 10 seconds West along the south right-of-way line per Document Number 3049266, a distance of 20.47 feet to the easterly right-of-way line of Hainesville Road per Document Number 487158; thence South 17 degrees 28 minutes 49 seconds West along said easterly right-of-way line, 21.55 feet for the place of beginning; thence North 61 degrees 35 minutes 10 seconds East, 14.37 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 10.00 easterly of and parallel with said easterly right-of-way line of Hainesville Road, 296.83 feet; thence North 72 degrees 31 minutes 11 seconds West, 5.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 5.00 easterly of and parallel with said easterly right-of-way line of Hainesville Road, 285.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 5.00 feet to said easterly right-of-way line of Hainesville Road; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 571.51 feet to the place of beginning.

Said temporary easement containing 0.100 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-D  
Station: 160+63.37 to 162+73.76  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds east along the centerline of said Hainesville Road, 797.32 feet; thence South 72 degrees 31 minutes 11 seconds East, 50.00 feet; thence South 17 degrees 35 minutes 04 seconds West, 16.94 feet; thence South 72 degrees 34 minutes 18 seconds East, 20.02 feet; thence South 17 degrees 28 minutes 49 seconds West, 291.07 feet; thence South 83 degrees 22 minutes 55 seconds East, 57.45 feet; thence South 62 degrees 40 minutes 56 seconds East, 155.12 feet; thence North 28 degrees 13 minutes 15 seconds East, 44.32 feet; thence South 28 degrees 24 minutes 57 seconds East, 112.10 feet; thence South 13 degrees 42 minutes 45 seconds West, 5.03 feet; for the place of beginning; thence South 13 degrees 42 minutes 45 seconds West, 154.19 feet; thence North 88 degrees 38 minutes 13 seconds West, 129.76 feet; thence North 84 degrees 26 minutes 23 seconds West, 58.90 feet; thence North 79 degrees 31 minutes 57 seconds West, 68.40 feet; thence North 42 degrees 52 minutes 37 seconds East, 44.13 feet; thence North 62 degrees 27 minutes 05 seconds East, 175.82 feet; thence North 82 degrees 00 minutes 17 seconds East, 107.29 feet to the place of beginning.

Said temporary easement containing 0.612 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-E  
Station: 163+13.26 to 166+20.00  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds east along the centerline of said Hainesville Road, 797.32 feet; thence South 72 degrees 31 minutes 11 seconds East, 50.00 feet; thence South 17 degrees 35 minutes 04 seconds West, 16.94 feet; thence South 72 degrees 34 minutes 18 seconds East, 20.02 feet for the place of beginning; thence South 72 degrees 31 minutes 12 seconds East, 137.19 feet; thence South 12 degrees 52 minutes 21 seconds West, 63.86 feet; thence South 10 degrees 42 minutes 55 seconds West, 154.52 feet; thence South 33 degrees 33 minutes 09 seconds East, 73.31 feet; thence South 28 degrees 13 minutes 15 seconds West, 44.32 feet; thence North 62 degrees 40 minutes 56 seconds West, 155.12 feet; thence North 83 degrees 22 minutes 55 seconds West, 57.45 feet; thence North 17 degrees 28 minutes 49 seconds East, 291.07 feet to the place of beginning.

Said temporary easement containing 1.077 acres, more or less.



Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-F  
Station: 166+20 to 175+10.00  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 1070.38 feet; thence South 72 degrees 31 minutes 11 seconds East, 40.00 feet for the place of beginning; thence continue South 72 degrees 31 minutes 11 seconds East, 5.00 feet; thence North 17 degrees 28 minutes 49 seconds East along a line 5.00 feet easterly of and parallel with the easterly right-of-way line of Hainesville Road per Document Number 487153, a distance of 600.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 5.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 10.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville Road, 600.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 20.00 feet; thence South 17 degrees 28 minutes 49 seconds West, 290.00 feet; thence North 72 degrees 34 minutes 18 seconds West, 20.02 feet; thence North 17 degrees 35 minutes 04 seconds East, 16.94 feet; thence North 72 degrees 24 minutes 56 seconds West, 10.00 feet; thence North 17 degrees 28 minutes 49 seconds East, 230.70 feet; thence South 72 degrees 31 minutes 11 seconds East, 10.00 feet; thence North 17 degrees 28 minutes 49 seconds East, 15.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 10.00 feet; thence North 17 degrees 28 minutes 49 seconds East, 27.36 feet to the place of beginning.

Said temporary easement containing 0.261 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-G  
Station: 175+45.00 to 180+00.00  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 1670.38 feet; thence South 72 degrees 31 minutes 11 seconds East, 40.00 feet to the easterly right-of-way line of Hainesville road per Document Number 487153; thence North 17 degrees 28 minutes 49 seconds East along said easterly right-of-way line, 35.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 5.00 feet for the place of beginning; thence North 17 degrees 28 minutes 49 seconds East along a line 5.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville road, 455.00 feet; thence South 72 degrees 31 minutes 11 seconds East, 5.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 10.00 feet easterly of and parallel with said easterly right-of-way line, 455.00 feet; thence North 72 degrees 31 minutes 11 seconds West, 5.00 feet to the place of beginning.

Said temporary easement containing 0.052 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-H  
Station: 180+00.00 to 181+98.69  
Index No.: 06-16-400-005

That part of Lot 14 of School Trustee's Subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the centerline of Hainesville Road with the south line of the Southeast Quarter of said Section 16; thence North 17 degrees 28 minutes 49 seconds East along the centerline of said Hainesville Road, 2160.38 feet; thence South 72 degrees 31 minutes 11 seconds East, 50.00 feet for the place of beginning; thence North 17 degrees 28 minutes 49 seconds East along a line 10.00 feet easterly of and parallel with the easterly right-of-way line of Hainesville Road per Document Number 487153, a distance of 218.35; thence South 72 degrees 31 minutes 11 seconds East, 10.00 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 20.00 feet easterly of and parallel with said easterly right-of-way line of Hainesville Road, 218.35 feet; thence North 72 degrees 31 minutes 11 seconds West, 10.00 feet to the place of beginning.

Said temporary easement containing 0.050 acres, more or less.

Route: C.H. 24 Hainesville Road  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-I  
Station: 182+82.82 to 183+63.56  
Index No.: 06-16-400-005

That part of Lot 14 of school trustee's subdivision of Section 16, Township 45 North, Range 10, East of the Third Principal Meridian, which falls in the Southeast Quarter of said Section (except the north 150 feet thereof), in Lake County, Illinois, bearings and distances based on the Illinois State Plane coordinate system, East Zone, NAD83 (2011 adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the south line of said north 150 feet of the Southeast Quarter with the easterly right-of-way line of Hainesville Road per Document Number 487153; thence North 89 degrees 21 minutes 52 seconds East along said south line of the north 150 feet, a distance of 10.52 feet for the place of beginning; thence continuing North 89 degrees 21 minutes 52 seconds East along said south line, 10.52 feet; thence South 17 degrees 28 minutes 49 seconds West along a line 20.00 feet easterly of and parallel with the easterly right-of-way line of said Hainesville Road, 157.72 feet; thence North 72 degrees 31 minutes 11 seconds West, 10.00 feet; thence North 17 degrees 28 minutes 49 seconds East along a line 10.00 feet easterly of and parallel with the easterly right-of-way line of said Hainesville Road, 154.45 feet to the place of beginning.

Said temporary easement containing 0.036 acres, more or less.

Route: Lake Avenue  
Section: 23-00072-15-DR  
County: Lake  
Job No.:  
Parcel No: 0090TE-J  
Station: 50+60.14 to 51+57.81  
Index No.: 06-21-200-005

That part of the Southeast Quarter of the Northeast Quarter of Section 21, Township 45 North, Range 10 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances based on the Illinois State Plane Coordinate System, East Zone, NAD83 (2011 Adjustment), with a combined factor of 0.9999487058, described as follows:

Commencing at the intersection of the south line of the East Half of the Northeast Quarter of said Section 21 with the east right-of-way line of Hainesville Road per Document Number 487158; thence North 89 degrees 36 minutes 46 seconds East along said south line, a distance of 25.00 feet for the place of beginning; thence North 45 degrees 11 minutes 56 seconds West, 7.05 feet; thence North 89 degrees 36 minutes 46 seconds East along a line 5.00 feet north of and parallel with said south line of Half Quarter Section, a distance of 97.66 feet; thence South 00 degrees 23 minutes 14 seconds East, 5.00 feet to said south line; thence South 89 degrees 36 minutes 46 seconds West along said south line, 92.69 feet to the place of beginning.

Said temporary easement containing 0.011 acres, more or less.