ADDENDUM NO. 01

Date: October 29, 2026
RVi Project #: 26000793
Project Name: South Park Phase Two

To: Prospective Bidders

FROM: RVi Planning + Landscape Architecture (RVi)

Notice: This addendum forms a part of the contract documents and modifies the original Issue for permit and bid set dated October 28, 2026, as noted below. Bidders shall acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification. This addendum consists of the following changes identified in **bold**:

Specification Revisions:

Add Geotechnical Engineering Services Report to Section 399999 Appendix.
Add CCDD Testing / LPC 662 Report to Section 399999 Appendix.

cc: Corey Wierema, City of Lake Forest
Lacey Lawrence, RVi
Mirandi Berger, RVi

encl: Geotechnical Engineering Services Report, dated October 28, 2026
CCDD Testing / LPC 662 Report, dated October 28, 2026

End of Addendum 01

rubino
ENGINEERING INC.

REPORT TRANSMITTAL

October 28, 2026

To: Lacey Lawrence, PLA, LEED-AP
RVi Planning
22 E Chicago Ave | Suite 200A
Naperville, Illinois 60540
P: 517.775.4483

Re: **Geotechnical Engineering Services Report**
South Park Improvements
150 S Maywood Rd
Lake Forest, Illinois

Rubino Report No. G26.127

Via email: llawrence@rviplanning.com

Dear Ms. Lawrence,

Rubino Engineering, Inc. is pleased to submit our Geotechnical Engineering Services Report for the proposed South Park Improvements in Lake Forest, Illinois.

Report Description

Enclosed is the Geotechnical Engineering Services Report including results of field and laboratory testing, as well as recommendations for foundation design and general site development.

Authorization and Correspondence History

- Rubino Proposal No. Q26.160g_REV2 dated August 12, 2026; Email notice to proceed from Mirandi Berger of RVi Planning + Landscape Architecture on August 31, 2026.

Closing

Rubino appreciates the opportunity to provide geotechnical services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully submitted,
RUBINO ENGINEERING, INC.

Michelle A. Lipinski, PE
President

michelle.lipinski@rubinoeng.com

MAL/file/ Enclosures

Geotechnical Engineering Services Report

Drilling
Laboratory Testing
Geotechnical Analysis

SOUTH PARK IMPROVEMENTS

150 S MAYWOOD RD

LAKE FOREST, ILLINOIS

RUBINO PROJECT NO. G26.127

PREPARED BY:
HOLLY GREGORICH

REVIEWED BY:
MATT KURZ, EI

rubino ENGINEERING INC.

Michelle A. Lipinski, PE
President
IL No. 062-061241, Exp. 11/30/2027

PREPARED FOR:

RVI PLANNING

22 E CHICAGO AVE | SUITE 200A

NAPERVILLE, ILLINOIS 60540

OCTOBER 28, 2026

TABLE OF CONTENTS

PROJECT INFORMATION ..... - 1 -
PURPOSE / SCOPE OF SERVICES ..... - 1 -
Table 1: Drilling Scope ..... - 2 -
DRILLING, FIELD, AND LABORATORY TEST PROCEDURES ..... - 2 -
SITE AND SUBSURFACE CONDITIONS ..... - 3 -
SITE LOCATION AND DESCRIPTION ..... - 3 -
SURFACE CONDITIONS ..... - 4 -
Table 2: Existing Pavement Section Summary ..... - 4 -
SUBSURFACE CONDITIONS ..... - 4 -
Table 3: Subsurface Conditions Summary ..... - 5 -
GROUNDWATER CONDITIONS ..... - 5 -
UNDOCUMENTED FILL DISCUSSION ..... - 6 -
TOPSOIL DISCUSSION ..... - 6 -
SUMMARY OF GEOTECHNICAL CONSIDERATIONS ..... - 6 -
EVALUATION AND RECOMMENDATIONS ..... - 7 -
SITE PREPARATION RECOMMENDATIONS ..... - 7 -
SHALLOW FOUNDATION RECOMMENDATIONS (PICNIC SHELTER) ..... - 8 -
Table 4: Bearing Capacity Recommendations – Spread Footings ..... - 8 -
Table 5: Bearing Capacity Recommendations – Shallow Drilled Piers ..... - 9 -
Table 6: Soil Properties for Lateral Support of Shallow Drilled Piers ..... - 9 -
SEISMIC SITE CLASSIFICATION ..... - 10 -
Table 7: Seismic Site Class Parameters ..... - 10 -
DEWATERING RECOMMENDATIONS ..... - 11 -
RECOMMENDATIONS FOR ADDITIONAL TESTING ..... - 11 -
CLOSING ..... - 11 -

Appendix A – Drilling, Field, and Laboratory Test Procedures
Appendix B – Site Preparation
Appendix C – Fill Recommendations
Appendix D – Foundation Construction Recommendations
Appendix E – Report Limitations
Appendix F – Soil Classification General Notes
Appendix G – Soil Classification Chart
Appendix H – Site Vicinity Map & Boring Location Plan
Appendix I – Pavement Core Summary Table
Appendix J – Boring Logs

PROJECT INFORMATION

Rubino Engineering, Inc. (Rubino) understands that RVi Planning is aiding Lake Forest in Phase II design of the South Park Improvements project. Rubino understands that there will be an open-air picnic shelter, splash pad, and asphalt path as part of the Phase II design. Rubino previously completed a report, G19.137 dated February 25, 2020 as part of Phase I of the proposed improvements.

Site Grading and Structural Loads were not received but are based on the following:

- Individual column loads not exceeding 30 kips for picnic shelter
- Grade-supported slab live loads not exceeding 100 psf for picnic shelter
- Site grading including cuts and fills being less than 2 feet

Documents received:

- Site Plan : "CLF_Site Dev Plan.pdf" included in RFP email
- Project Location Drawing : "South Park_20260312_soil bornings.pdf" included in RFP email

Project Correspondence:

- RFP email from Lacey Lawrence, PLA, LEED-AP of RVi Planning on March 12th, 2026.
- Meeting on June 24, 2026 with Rubino, RVI, and Poligon the shelter manufacturer
    - Discussion on what information Rubino and Poligon need from each other
- Revision request email on July 27, 2026 from Lacey Lawrence, PLA, LEED-AP of RVi Planning for additional borings for rain garden and synthetic turf areas

The geotechnical recommendations presented in this report are based on the available project information and the subsurface materials described in this report. If any of the information on which this report is based is incorrect, please inform Rubino in writing so that we may amend the recommendations presented in this report (if appropriate, and if desired by the client). Rubino will not be responsible for the implementation of our recommendations if we are not notified of changes in the project.

Purpose / Scope of Services

The purpose of this study was to explore the subsurface conditions at the site in order to prepare geotechnical recommendations for foundation design, pavement design, and general site development for the proposed construction. Rubino's scope of services included the following drilling program:

Table 1: Drilling Scope

NUMBER OF BORINGS	NUMBER OF CORES	DEPTH (FEET BEG*)	LOCATION
1	--	10	Proposed Picnic Shelter (B-01)
1	--	10	Proposed Splash Pad (B-02)
1	--	10	Proposed Asphalt Parking Lot (B-03)
1	--	10	Proposed Synthetic Turf Batting Cage (B-04)
1	--	10	Proposed Rain Garden (B-05)
--	2	2	Existing Asphalt Path

*BEG = Below Existing Grade

Representative soil samples obtained during the field exploration program were transported to the laboratory for additional classification and laboratory testing.

This report briefly outlines the following:

- *Summary of client-provided project information and report basis*
- *Overview of encountered subsurface conditions*
- *Overview of field and laboratory tests performed including results*
    - *Pavement Core Table showing pavement and subbase stone thicknesses*
- *Geotechnical recommendations pertaining to:*
    - *Subgrade preparation and cut / fill recommendations (Picnic Shelter & Splash Pad)*
    - *Shallow Foundations, including suitable foundation type(s), vertical allowable bearing pressure(s), and estimated settlement (Picnic Shelter)*
        - *Option 1: Square spread footing Foundation*
            - *Vertical allowable bearing capacity*
            - *Coefficient of friction between concrete spread footing and subgrade*
        - *Option 2: Shallow Drilled Pier Foundation*
            - *Vertical end bearing capacity*
            - *Skin friction between soil and concrete drilled pier*
            - *Lpile soil properties for lateral design by others*
    - *Seismic design site classification parameters (Picnic Shelter)*
- *Construction considerations, including temporary excavation and construction control of water*

DRILLING, FIELD, AND LABORATORY TEST PROCEDURES

RVi Planning selected the number of borings and the boring depths. Rubino located the borings in the field by measuring distances from known fixed site features. The borings were advanced utilizing 2 ¼ inch inside-diameter, hollow stem auger drilling methods and soil samples were

routinely obtained during the drilling process. The pavement cores were performed with a Milwaukee Drill and Diamond-bit core barrel.

Selected soil samples were tested in the laboratory to determine material properties for this report. Drilling, sampling, and laboratory tests performed by Rubino were accomplished in general accordance with ASTM procedures. The following items are further described in the Appendix of this report.

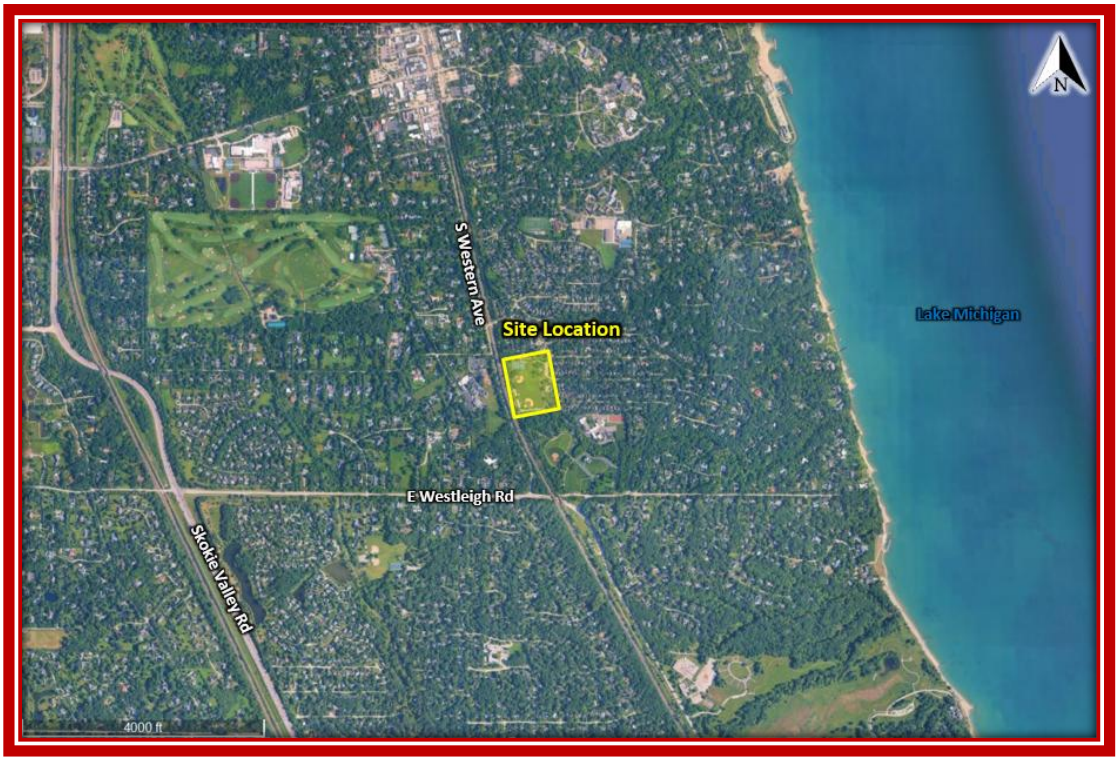
- *Field Penetration Tests and Split-Barrel Sampling of Soils (ASTM D1586)*
- *Field Water Level Measurements*
- *Laboratory Determination of Water (Moisture) Content of Soil by Mass (ASTM D2216)*
- *Laboratory Organic Content by Loss on Ignition (ASTM D2974)*

The laboratory testing program was conducted in general accordance with applicable ASTM specifications. The results of these tests are to be found on the accompanying boring logs located in the Appendix.

SITE AND SUBSURFACE CONDITIONS

Site Location and Description

The project site is South Park located at 150 S Maywood Road in Lake Forest, Illinois.



The midpoint of the park has an approximate latitude and longitude of 42.2372° and -87.8335°, respectively.

Surface Conditions

Soil boring B-03 and pavement cores C-01 & C-02 were taken within the pavement of the existing access road adjacent to the baseball fields at South Park and the surface conditions are as follows:

Table 2: Existing Pavement Section Summary

CORE NUMBER	TOTAL OBSERVED PAVEMENT THICKNESS	TOTAL OBSERVED BASE STONE THICKNESS
C-01	2 ½ INCHES OF ASPHALT	6 INCHES OF SUBBASE STONE
B-03	2 INCHES OF ASPHALT	9 INCHES OF SUBBASE STONE
C-02	3 INCHES OF ASPHALT	6 INCHES OF SUBBASE STONE

Please note that the above referenced thicknesses are considered approximate and based on visual observations and hand measurements. Pavement and sub-base type and thickness may vary between boring or core locations. Physical pavement cores were obtained for C-01 and C-02; however, at B-03, visual observations down the borehole were used to estimate the pavement and base stone thickness. More specific pavement thickness at B-03 would need to be determined by obtaining a physical pavement core.

Subsurface Conditions

Beneath the existing surficial pavement or topsoil, subsurface conditions generally consisted of undocumented fill soils, brown and gray silty clay, and brown and/or gray clayey silt.

- The **topsoil** thickness ranged between approximately 6 and 8 inches
- The **undocumented fill** soils were both cohesive and granular in nature
  - Deleterious materials were found in the undocumented fill materials
- The native **silty clay** soils were generally medium stiff to very stiff in consistency

Table 3: Subsurface Conditions Summary

Approximate Depth Range (feet BEG*)	Soil Description	SPT N-values (blows per foot)	Moisture Content (%)	Estimated Shear Strength
1 – 6	FILL: brown and black silty clay, with gravel *(B-01)* *glass fragments, asphalt grindings, and slag observed*	2 – 3	38 – 42	--
1 – 2 ½	FILL: brown, gray, and black silty clay, with gravel *(B-03)* *pink pieces of insulation observed*	3	22	--
1 – 6 ½	FILL: brown and black gravelly sand *(B-04)* *asphalt grindings, pieces of brick, pieces of glass, and slag observed*	2 – 5	15 – 26	--
1 – 10	Medium stiff to stiff, brown and/or gray silty CLAY to clayey SILT *(B-01, B-02, B-04, B-05)*	4 – 14	15 – 25	c ≅ 600 – 2,100 psf
3 ½ – 10	Very stiff, brown and/or gray silty CLAY or clayey SILT *(B-02, B-03, B-05)*	15 – 26	15 – 20	c ≅ 2,100 – 3,750 psf

*BEG = Below Existing Grade

The native soils were visually classified as silty clay (CL) and clayey-silt (CL-ML) according to the Unified Soil Classification System (USCS). The above table is a general summary of subsurface conditions. Please refer to the boring logs for more detailed information.

Estimated shear strength of clay soils is based on empirical correlations using N-values, moisture content, and unconfined compressive strength, as applicable.

Groundwater Conditions

Groundwater was not observed in the borings during the drilling operations. However, it should be noted that fluctuations in the groundwater level should be anticipated throughout the year depending on variations in climatological conditions and other factors not apparent at the time the borings were performed. Groundwater may not have been observed in some areas due to the low permeability of soils. Additionally, discontinuous zones of perched water may exist within the soils. The possibility of groundwater level fluctuation should be considered when developing the design and construction plans for the project.

Undocumented Fill Discussion

Undocumented fill was observed in the Proposed Picnic Shelter Boring, Proposed Asphalt Parking Lot Boring, and the Proposed Synthetic Turf Batting Cage Boring to depths ranging from about 2 ½ to 6 ½ feet below existing grade.

Undocumented fill is defined as fill that has been placed without being documented as to its placed density and moisture content.

Deleterious materials could include, but are not limited to, bricks, asphalt, concrete, metal, wood, or other building debris.

Where existing fill is encountered, Rubino recommends that structure foundations extend through the fill materials and be supported on suitable soils, intermediate foundations, cured flowable fill, or compacted and documented structural fill. See the *Shallow Foundation Recommendations (Picnic Shelter)* section for more details.

Undocumented fill materials should be carefully evaluated by proof-rolling and subgrade stability testing (as recommended herein) at the time of construction to document the in-place consistency of these materials prior to placing materials for structures or parking lots.

Deleterious materials such as glass fragments, asphalt grindings, pieces of brick, pieces of insulation, and slag were observed within the undocumented fill materials during the drilling operations. When encountered during construction, fill with deleterious materials should be removed and replaced with structural fill at the geotechnical field engineer's discretion at the time of construction.

Topsoil Discussion

Topsoil materials as described in this report have not been analyzed for quality according to any minimum specifications. If topsoil is to be imported to or exported from this site, Rubino recommends that it meet the minimum specifications defined in Section 1081.05 of the IDOT Standard Specifications for Road and Bridge Construction, adopted by the Illinois Department of Transportation, January 1st, 2022.

Rubino has reported topsoil thicknesses at each boring based on visual observation of surficial soils. Surficial topsoil thickness was visually observed to be between approximately 6 and 8 inches. Rubino recommends adding additional topsoil quantity to the bid documents to account for topsoil thickness variability at the time of construction.

SUMMARY OF GEOTECHNICAL CONSIDERATIONS

The main geotechnical design and construction considerations at this site are:

- In general, the **asphalt thicknesses** observed at pavement cores C-01 & C-02 and soil boring B-03 ranged between approximately 2 and 3 inches. See the *Surface Conditions* section for more information.

- In general, the **subbase stone thicknesses** observed at core locations were approximately 6 to 9 inches. See the *Surface Conditions* section for more detailed information.
- **Subgrade soils** generally consisted of undocumented fill, brown and/or gray silty clay, and brown and/or gray clayey silt soils. See the *Subsurface Conditions* and *Undocumented Fill Discussion* sections for more detailed information.
- **Shallow Square Foundations and Shallow Pier Foundations** are possible foundation design options at this site. See the *Shallow Foundation Recommendations (Picnic Shelter)* section for more detailed information.
    - **Undercuts** are recommended for shallow square foundations.

The geotechnical-related recommendations in this report are presented based on the subsurface conditions encountered and Rubino's understanding of the project. Should changes in the project criteria occur, a review must be made by Rubino to determine if modifications to our recommendations will be necessary.

EVALUATION AND RECOMMENDATIONS

The geotechnical-related recommendations in this report are presented based on the subsurface conditions encountered and Rubino's understanding of the project. Should changes in the project criteria occur, a review must be made by Rubino to determine if modifications to our recommendations will be necessary.

Site Preparation Recommendations

The following comments are considered site-specific. To reference general subgrade preparation recommendations and compaction recommendations, please refer to the Appendix of this report.

- During construction, the site should be stripped of existing concrete, foundations, abandoned utilities, and pavement sections including asphalt, subbase, and curbs if applicable.
- Please note that clay subgrade soils are sensitive to moisture and can be easily disturbed by precipitation, groundwater, or construction equipment. Therefore, extra care should be used to avoid disturbing these soils during construction activities.
- Careful evaluation of the subgrade soils at the time of construction by the Geotechnical Engineer is recommended for the picnic shelter slab, asphalt parking lot pavement, and synthetic turf batting cage.
    - The subgrade soils in this area consisted of undocumented fill and deleterious materials with low N-values and high moisture contents.
    - The subgrade soils should be proof rolled and tested with a dynamic or static cone penetrometer to determine if undercuts are warranted.
    - Rubino recommends that a 12-inch undercut be budgeted for 30% of the project areas for the aforementioned locations along with geotextile fabric at the base of the undercut and IDOT CA-06 for backfill. The IDOT CA-06 backfill should be tested and documented per the recommendations in the Appendix of this report.

Shallow Foundation Recommendations (Picnic Shelter)

Rubino evaluated two shallow foundation options for the proposed picnic shelter at the request of RVi Planning which includes:

1. Square spread footing foundations
2. Shallow drilled pier foundations

Option 1) Square Spread Footing Foundations

The proposed Picnic Shelter can be supported on shallow, square spread footing foundations; however, undercuts are recommended due to the presence of undocumented fill soils.

Table 4: Bearing Capacity Recommendations – Spread Footings

DESCRIPTION	PROPOSED FOUNDATION RECOMMENDATIONS	
Anticipated Foundation Type:	Square Spread Footing	
Max Net Allowable Bearing Pressure:	2,000 psf*	
Minimum Dimensions:	3ft x 3ft	
Foundation Minimum Bearing Depth:	3 ½ feet (frost depth) Undercuts to a depth of 6 feet are anticipated based on the presence of undocumented fill.	
Anticipated Bearing Soil Classification and Depth Below Existing Grade:	Native Brown Silty CLAY with a $Q_p \approx 2.5$ tsf Suitable native soils were encountered at approximately 6 feet below existing grade.	
Undercut Excavation and Backfill Recommendations:	Please refer to Appendix D herein	
Coefficient of Friction Between Concrete Spread Footing and:	Native Silty Clay	0.35
	Well Graded Gravel	0.50
Boring Number Referenced:	B-01	

*Settlement controlled.

Option 2) Shallow Pier Foundations

The proposed Picnic Shelter can be supported on shallow pier foundations. The shallow piers should extend through undocumented fill soils into native silty clay soils. The following recommendations are presented based on direct contact between the concrete and the native clay soils. Temporary casing should be utilized within the zone of the fill to mitigate cave in.

Table 5: Bearing Capacity Recommendations – Shallow Drilled Piers

DESCRIPTION	PROPOSED FOUNDATION RECOMMENDATIONS
Anticipated Foundation Type:	Circular Shallow Drilled Pier
Max Net Allowable End Bearing Pressure:	2,000 psf
Minimum Dimensions:	1 ft Diameter
Foundation Bearing Depth:	At least 6 feet Foundations should extend through undocumented fill and be supported on suitable bearing soils as described below.
Anticipated Bearing Soil Classification and Depth Below Existing Grade:	Brown Silty CLAY with a $Q_p \approx 2.5$ tsf Suitable soils were encountered at approximately 6 feet below existing grade.
Boring Number Referenced:	B-01

Table 6: Soil Properties for Lateral Support of Shallow Drilled Piers

SOIL TYPE	APPROXIMATE DEPTH BEG* (FEET)	ESTIMATED TOTAL UNIT WEIGHT OF SOIL (PCF)	AVERAGE UNDRAINED SHEAR STRENGTH (PSF)	ALLOWABLE SKIN FRICTION FS=2 (PSF)	ESTIMATED STATIC LATERAL MODULUS (PCI)	ESTIMATED CYCLIC LATERAL MODULUS (PCI)	STRAIN FACTOR, E_{50}
Undocumented Fill	3 ½ – 6	110 – 115	n/a	n/a	n/a	n/a	n/a
Medium Stiff Silty Clay	6 – 8	120 – 125	1,000	275	240	95	0.008

*BEG = Below existing grade.

If design requires deeper bearing than 8 feet to satisfy uplift requirements, Rubino recommends performing deeper borings to document the soil profile below the bottom of the pier.

Uplift Capacity – Picnic Shelter

The uplift capacity for the shallow foundations is equal to the weight of the foundation plus the weight of the soil sitting on top of the shallow foundation. The effective weight of the concrete (at 145 pcf) and the soil (at 120 pcf) should be included in the uplift calculations. Skin friction can be utilized in native soils as resistance to uplift.

Settlement – Picnic Shelter

Based on the known subsurface conditions, laboratory testing, and past experience, Rubino anticipates that properly designed and constructed footings supported on the recommended, observed and documented natural clay soils, or properly compacted structural fill should experience maximum total settlement of less than 1 inch.

Frost Protection for Foundations

Exterior footings should be located at a depth of at least 3 ½ feet below the outside final exterior grades to provide adequate frost protection. If the building is constructed during winter months or if the footings will likely be subjected to freezing temperatures after construction is completed, then the footings should be protected from freezing.

- Fine-grained soils such as silts and clays are susceptible to moisture fluctuations and freezing weather, therefore concrete for the foundations should be ideally poured right after the foundations have been dug and formed if rain is being predicted. Otherwise, foundations that have already been excavated should be protected from rain or surface runoff water.

Seismic Site Classification

The International Building Code requires a site class for the calculation of earthquake design forces. This class is a function of soil type (i.e., depth of soil and strata types). Based on the estimated depth to rock and the estimated shear strength of the soil at the boring locations, Site Class "D" is recommended.

This site class is recommended based on Rubino's opinion and experience in the area that the consistency of the soils below the depth explored remain consistent or improve in density.

The SEAOC/OSHPD probabilistic ground motion values near latitude 42.2372° and longitude –87.8335° are shown in the table below.

Table 7: Seismic Site Class Parameters

Design Code Reference Document	ASCE7-22
Risk Category	II
Site Class	D

Type	Value	Description (Data)
S_S	0.13	The MCE_R spectral response acceleration at 0.2 seconds for Site Class BC, in units of g.
S_1	0.065	The MCE_R spectral response acceleration at 1 second for Site Class BC, in units of g.
S_{MS}	0.17	S_{MS} = 1.5 x S_{DS}, the Risk-Targeted Maximum Considered Earthquake (MCE_R) spectral response acceleration for short periods (of the two-period spectrum) and the user-specified Site Class.
S_{M1}	0.14	S_{M1} = 1.5 x S_{D1}, the MCE_R spectral response acceleration for 1 second (of the two-period spectrum) and the user-specified Site Class.
S_{DS}	0.12	The design spectral response acceleration for short periods (of the two-period spectrum) and the user-specified Site Class, in units of g.
S_{D1}	0.092	The design spectral response acceleration for 1 second (of the two-period spectrum) and the user-specified Site Class, in units of g

Type	Value	Description (Data Contd.)
SDC	B	Seismic design category
PGA_M	0.071	PGA_M, the Geometric-Mean Maximum Considered Earthquake (MCE_G) peak ground acceleration for the user-specified Site Class, in units of g
T_S	0.796	T_S = S_{D1}/S_{DS}, in seconds, for construction of the two-period design spectrum
T_0	0.159	T_0 = 0.2 x T_S, in seconds, for construction of the two-period design response spectrum
T_L	12	T_L, the long-period transition period, in seconds, for construction of the two-period design response spectrum

Dewatering Recommendations

Dewatering may be necessary during excavation of soils due to precipitation, surficial runoff, and the presence of sand seams or other conditions not apparent at the time of drilling. Shoring or trench boxes may be required where the soils are granular, saturated, or have low shear strengths. Please reference the anticipated groundwater levels on the attached boring logs and in the *Groundwater Conditions* section of this report.

Recommendations for Additional Testing

During construction, Rubino recommends that one of our representatives be onsite for typical **observations and documentation** of exposed subgrade for foundations and slabs, including proofrolling and penetrometer testing.

CLOSING

The recommendations submitted are based on the available subsurface information obtained by Rubino Engineering, Inc. and design details furnished by RVi Planning for the proposed project. If there are any revisions to the plans for this project or if deviations from the subsurface conditions noted in this report are encountered during construction, Rubino should be notified immediately to determine if changes in the recommendations are required. If Rubino is not retained to perform these functions, we will not be responsible for the impact of those conditions on the project.

The scope of services did not include an environmental assessment to determine the presence or absence of wetlands, or hazardous or toxic materials in the soil, bedrock, surface water, groundwater or air on, below, or around this site. Any statements in this report and/or on the boring logs regarding odors, colors, and/or unusual or suspicious items or conditions are strictly for informational purposes.

After the plans and specifications are more complete, the geotechnical engineer should be retained and provided the opportunity to review the final design plans and specifications to check that our engineering recommendations have been properly incorporated into the design documents. At this time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of RVi Planning and their consultants for the specific application to the proposed South Park Improvements in Lake Forest, Illinois.

Appendix A – Drilling, Field, and Laboratory Test Procedures

ASTM D1586 Penetration Tests and Split-Barrel Sampling of Soils

During the sampling procedure, Standard Penetration Tests (SPT's) were performed at regular intervals to obtain the standard penetration (N-value) of the soil. The results of the standard penetration test are used to estimate the relative strength and compressibility of the soil profile components through empirical correlations to the soils' relative density and consistency. The split-barrel sampler obtains a soil sample for classification purposes and laboratory testing, as appropriate for the type of soil obtained.

Water Level Measurements

Water level observations were attempted during and upon completion of the drilling operation using a 100-foot tape measure. The depths of observed water levels in the boreholes are noted on the boring logs presented in the appendix of this report. In the borings where water is unable to be observed during the field activities, in relatively impervious soils, the accurate determination of the groundwater elevation may not be possible even after several days of observation. Seasonal variations, temperature and recent rainfall conditions may influence the levels of the groundwater table and volumes of water will depend on the permeability of the soils.

Ground Surface Elevations

At this time, no site-specific elevations were available to Rubino. The depths indicated on the attached boring logs are relative to the existing ground surface for each individual boring at the time of the exploration. Copies of the boring logs are located in the Appendix of this report.

ASTM D2216 Water (Moisture) Content of Soil by Mass (Laboratory)

The water content is an important index property used in expressing the phase relationship of solids, water, and air in a given volume of material and can be used to correlate soil behavior with its index properties. In fine grained cohesive soils, the behavior of a given soil type often depends on its natural water content. The water content of a cohesive soil along with its liquid and plastic limits as determined by Atterberg Limit testing are used to express the soil's relative consistency or liquidity index.

ASTM D2974 Standard Test Method for Organic Soils using Loss on Ignition (Laboratory)

These test methods cover the measurement of moisture content, ash content, and organic matter in peats and other organic soils, such as organic clays, silts, and mucks. Ash content of a peat or organic soil sample is determined by igniting the oven-dried sample from the moisture content determination in a muffle furnace at 440°C (Method C) or 750°C (Method D). The substance remaining after ignition is the ash. The ash content is expressed as a percentage of the mass of the oven-dried sample. 2.4 Organic matter is determined by subtracting percent ash content from 100.

Appendix B – Site Preparation

Rubino recommends that unsuitable soils or fill be removed from the site, as applicable. Unsuitable soils or fills can be described as, but are not limited to:

- organic soil / topsoil / plants / trees / shrubs / grass
- frozen soil
- existing asphalt or concrete pavement sections
- existing foundations
- building debris
- existing curbs

Stripping operations should extend a minimum of: **10** feet beyond proposed building limits and **5** feet beyond proposed pavement limits

Exceptions: where property limits allow. Notify geotechnical engineer if there are property boundary limitations. Stripping operations should be monitored and documented by a representative of the geotechnical engineer at the time of construction.

Proofrolling:

After stripping and excavating to the proposed subgrade level, as required, the paved parking and slab areas should be proof-rolled and scarified and compacted to at least 95 percent of the standard Proctor maximum dry density ASTM D 698 for a depth of at least 8 inches below the surface during a period of dry weather.

Proofrolling Equipment:

Tandem-axle dump truck or similar rubber-tired vehicles are acceptable and should be loaded with at least 9 tons per axle.

Benefits of Proofrolling:

- Aids in providing a firm base for compaction of fill soils
- Helps to delineate soft, loose, or disturbed areas that may exist below subgrade level.

Subgrade Stability:

Soils which are observed to rut or deflect excessively (typically greater than 1 inch) under the moving load should either be scarified and re-compacted, or undercut and replaced.

Subgrade soils may be **stabilized** by one of the following **options**:

- **Scarifying and re-compacting** the existing subgrade soil to at least 95% compaction per ASTM D698 Standard Proctor (12-inch depth).
- **Remove and replace** with non-woven filter fabric and 3-inch stone capped with CA-06 stone.
  - A layer of non-woven filter geotextile should be placed between silty clay soil and an open-graded stone.
  - The contractor can also attempt to stabilize the existing subgrade in place by “losing” 3-inch stone into the subgrade until the until the voids of the 3-inch stone are filled with the soft soil and the subgrade “locks up,” showing minimal deflection under a proofroll.
- **Geogrid and a stone mat** per manufacturer’s installation specifications could reduce the amount of stone required and provide additional lateral support for foundation loads in service.

Appendix C – Fill Recommendations

In general, fill materials should meet the following:

- Standard Proctor maximum dry density >100 pcf
- Free of organic or other deleterious materials
- Have a maximum particle size no greater than 3 inches
- Have a liquid limit <45 and plasticity index <25
- Testing should include areas at least 5 feet outside the parking area perimeters, if applicable
- Each lift of compacted, engineered fill should be tested and documented by a representative of the geotechnical engineer prior to placement of subsequent lifts

Suitable Soil Classifications:

CL, SC, GW, and SW will generally be suitable for use as structural fill under pavements.

Unsuitable Soil Classifications:

OL, OH, MH, ML, SM, CH and PT should be considered unsuitable.

- If a fine-grained clay soil is used for fill (CL), close moisture content control will be essential to achieve the recommended degree of compaction
- If water must be added, it should be uniformly applied and thoroughly mixed into the soil by disking or scarifying

Structural fill added to the site shall be evaluated in accordance with the following table:

Material Tested	Proctor Type*-1	Min % Dry Density	Placement Moisture Content Range	Frequency of Testing*-2	Maximum Loose Lift Height
Structural Fill (Cohesive & Well-graded Granular)	Standard	98%	-2 to +3 %	1 per 2,500 yd^2 of fill placed	8 inches
Random Fill (non-load bearing)	Standard	95%	-3 to +3 %	1 per 5,000 yd^2 of fill placed	8 inches
Utility Trench Backfill	Standard	95%	-2 to +2 %	1 per 200 LF of fill placed	4 – 6 inches

*-1 The test frequency for the laboratory reference shall be one laboratory Proctor or Relative Density test for each material used on the site. If the borrow or source of fill material changes, a new reference moisture/density test should be performed.

*-2A minimum of one test per lift is recommended unless otherwise specified.

Tested fill materials that do not achieve either the required dry density or moisture content range shall be recorded, the location noted, and reported to the Contractor and Owner. A re-test of that area should be performed after the Contractor performs remedial measures. The above test frequencies should be discussed with the contractor prior to starting the work.

The geotechnical engineer of record can only certify work that was performed under their direct observation, or under the observation of a competent person under their specific direction.

Appendix D – Foundation Construction Recommendations

Rubino recommends that soils at the bottom of the footing design elevation be observed, documented, and tested by a representative of Rubino prior to concrete placement to evaluate the consistency of the soils in the field with the geotechnical report findings. The remedial procedures described in the following paragraph can be used to provide suitable foundation support where unsuitable material such as soft or loose soils, existing fill, or organic soils are encountered.

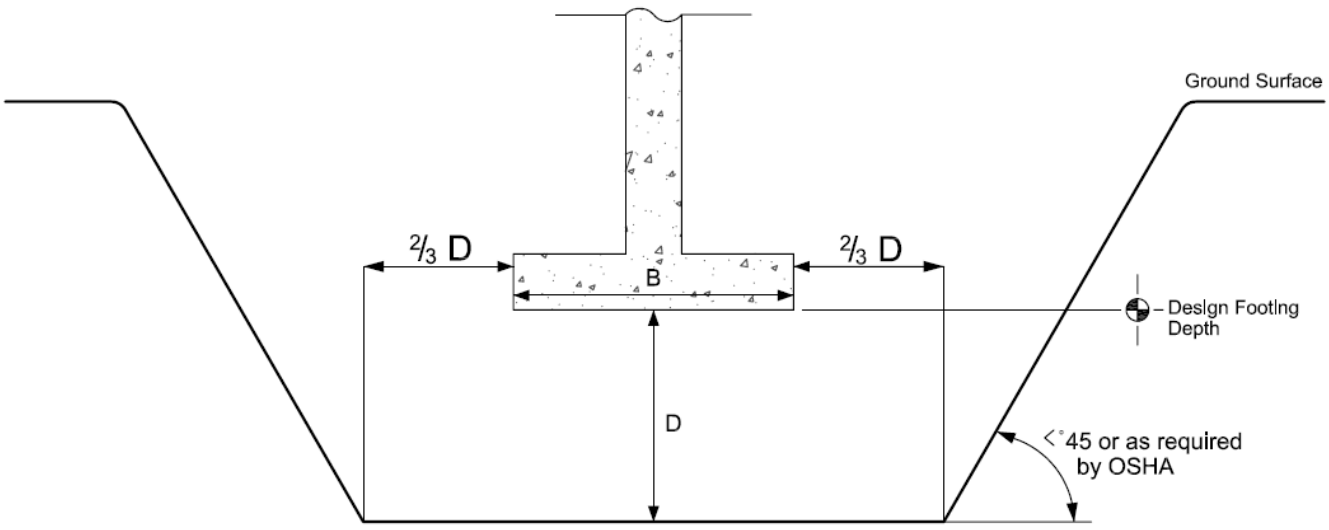
After opening, footing excavations should be observed and concrete placed as quickly as possible to avoid exposure of the footing bottoms to wetting and drying. Surface runoff water should be drained away from the excavations and not be allowed to pond. If possible, the foundation concrete should be placed during the same day the excavation is made. If it is required that footing excavations be left open for more than one day, the soils in the excavation should be protected to reduce evaporation or entry of moisture.

If unsuitable bearing soils are encountered in a footing excavation, the footing should be deepened to competent bearing soil and the footing could be lowered, or an over excavation and backfill procedure could be performed. If an over excavation and backfill procedure will be utilized, it would require widening the deepened excavation in all directions at least 8 inches beyond the edges of the footing for each 12 inches of over excavation depth (See "Over Excavation and Backfill Procedure" diagram below).

The over excavation should then be backfilled in a maximum of 8-inches thick loose lifts with suitable granular fill material, such as ¾ -inch stone with fines (CA-6), compacted to at least 98% of the maximum Standard Proctor dry density (ASTM D 698).

Another alternative is to undercut and refill the unsuitable area with flowable mortar up to the design elevation of the footings. The flowable mortar would serve as a protection to the subgrade during construction of the foundations. In this case, widening the footings is not necessary.

Over Excavation and Backfill Procedure



* Drawing not to scale

Appendix E – Report Limitations

Subsurface Conditions:

The subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The boring logs included in the appendix should be reviewed for specific information at individual boring locations. These records include soil descriptions, stratifications, penetration resistances, locations of the samples and laboratory test data as well as water level information. The stratifications shown on the boring logs represent the conditions only at the actual boring locations. Variations may occur and should be expected between boring locations. The stratifications represent the approximate boundary between subsurface materials and the actual transition between layers may be gradual. The samples, which were not altered by laboratory testing, will be retained for up to 60 days from the date of this report and then will be discarded.

Geotechnical Risk:

The concept of risk is an important aspect of the geotechnical evaluation. The primary reason for this is that the analytical methods used to develop geotechnical recommendations do not comprise an exact science. The analytical tools that geotechnical engineers use are generally empirical and must be used in conjunction with engineering judgment and experience. Therefore, the solutions and recommendations presented in the geotechnical evaluation should not be considered risk-free, and more importantly, are not a guarantee that the interaction between the soils and the proposed structure will perform as planned. The engineering recommendations, presented in the preceding section, constitute Rubino's professional estimate of the necessary measures for the proposed structure to perform according to the proposed design based on the information generated and reference during this evaluation, and Rubino's experience in working with these conditions.

Warranty:

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

Federal Excavation Regulations:

In Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, part 1926, Subpart P". This document was issued to better ensure the safety of workmen entering trenches or excavations. This federal regulation mandates that all excavations, whether they be utility trenches, basement excavation or footing excavations, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced and if they are not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person," as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations. Rubino is providing this information solely as a service to our client. Rubino is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred.

Appendix F – Soil Classification General Notes

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1 3/8" I.D., 2" O.D., unless otherwise noted	PS:	Piston Sample
ST:	Thin-Walled Tube - 3" O.D., Unless otherwise noted	WS:	Wash Sample
PM:	Pressuremeter	HA:	Hand Auger
RB:	Rock Bit	HS:	Hollow Stem Auger
DB:	Diamond Bit - 4", N, B	BS:	Bulk Sample

Standard "N" Penetration: Blows per foot of a 140-pound hammer falling 30 inches on a 2-inch O.D. split spoon sampler (SS), except where noted.

WATER LEVEL MEASUREMENT SYMBOLS:
Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of ground water levels is not possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION:
Soil Classification is based on the Unified Soil Classification System as defined in ASTM D-2487 and D-2488. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; they are described as: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are described as: clays, if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse grained soils are defined on the basis of their relative in-place density and fine-grained soils on the basis of their consistency. Example: Lean clay with sand, trace gravel, stiff (CL); silty sand, trace gravel, medium dense (SM).

CONSISTENCY OF FINE-GRAINED SOILS:

Unconfined Compressive Strength, Qu (tsf)			N-Blows/ft.			Consistency
	<	0.25	< 2			Very Soft
0.25	-	0.5	2	-	4	Soft
0.5	-	1	4	-	8	Medium Stiff
1	-	2	8	-	15	Stiff
2	-	4	15	-	30	Very Stiff
4	-	8	30	-	50	Hard
>	-	8	> 50			Very Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

N-Blows/ft.			Relative Density
0	-	3	Very Loose
4	-	9	Loose
10	-	29	Medium Dense
30	-	49	Dense
50	-	80	Very Dense
		80+	Extremely Dense

RELATIVE PROPORTIONS OF SAND & GRAVEL

Descriptive Term	% of Dry Weight		
Trace		<	15
With	15	-	29
Modifier		>	30

RELATIVE PROPORTIONS OF FINES

Descriptive Term	% of Dry Weight		
Trace		<	5
With	5	-	12
Modifier		>	12

*Descriptive Terms apply to components also present in sample

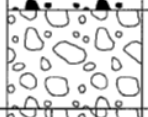
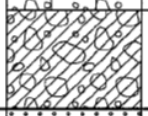
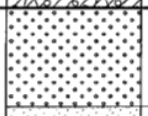
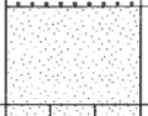
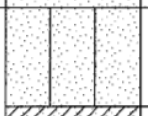
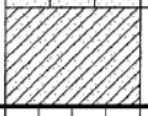
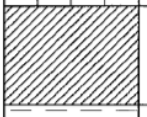
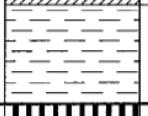
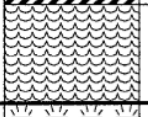
GRAIN SIZE TERMINOLOGY

Major Component	Size Range
Boulders	Over 12 in. (300mm)
Cobbles	12 in. To 3 in. (300mm to 75mm)
Gravel	3 in. To #4 sieve (75mm to 4.75mm)
Sand	#4 to #200 sieve (4.75mm to 0.75mm)

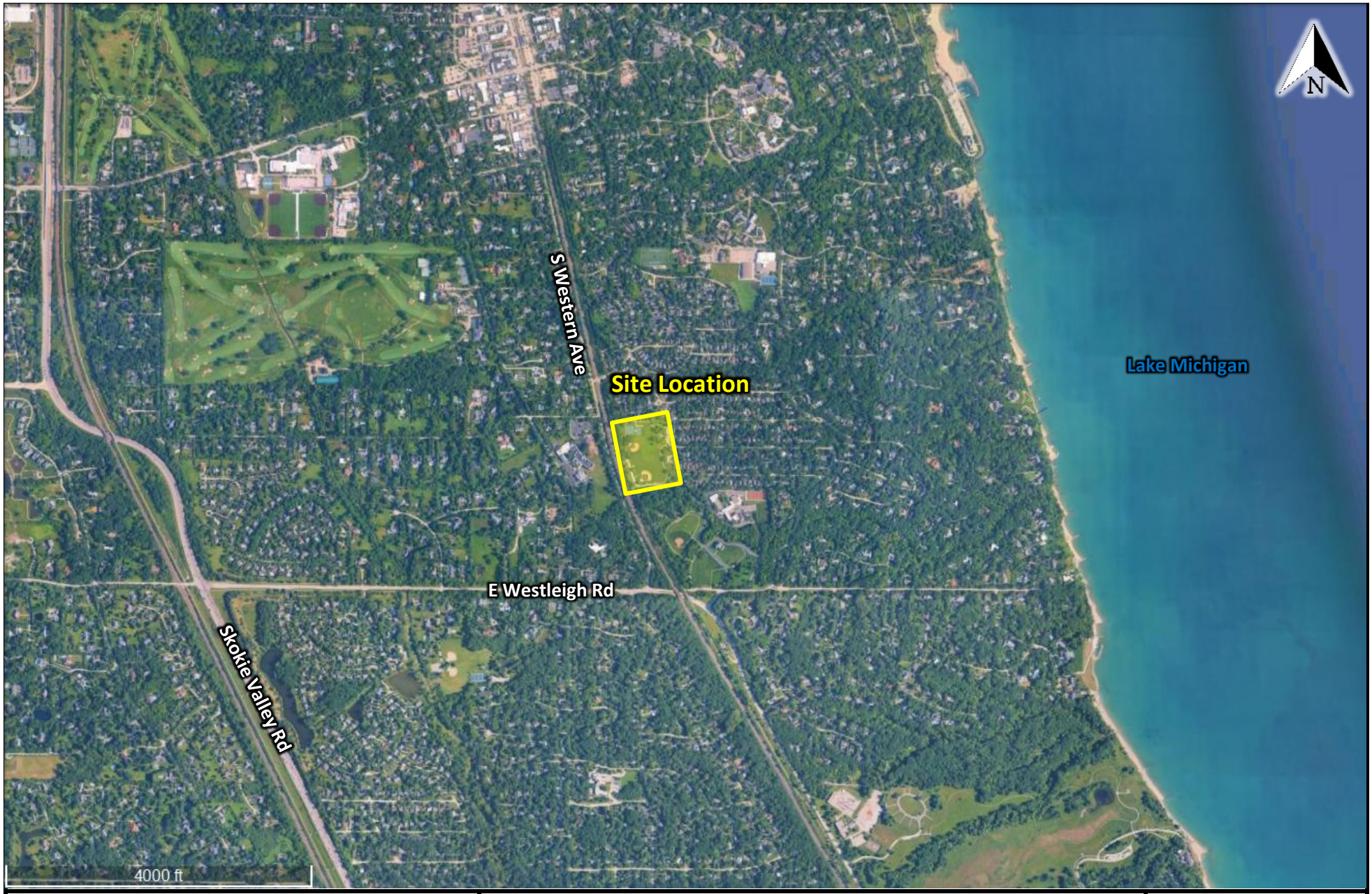
Appendix G – Soil Classification Chart

SOIL CLASSIFICATION CHART

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS			SYMBOLS: GRAPH	SYMBOLS: LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS — MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS — MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS — LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS — LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

Appendix H – Site Vicinity Map & Boring Location Plan

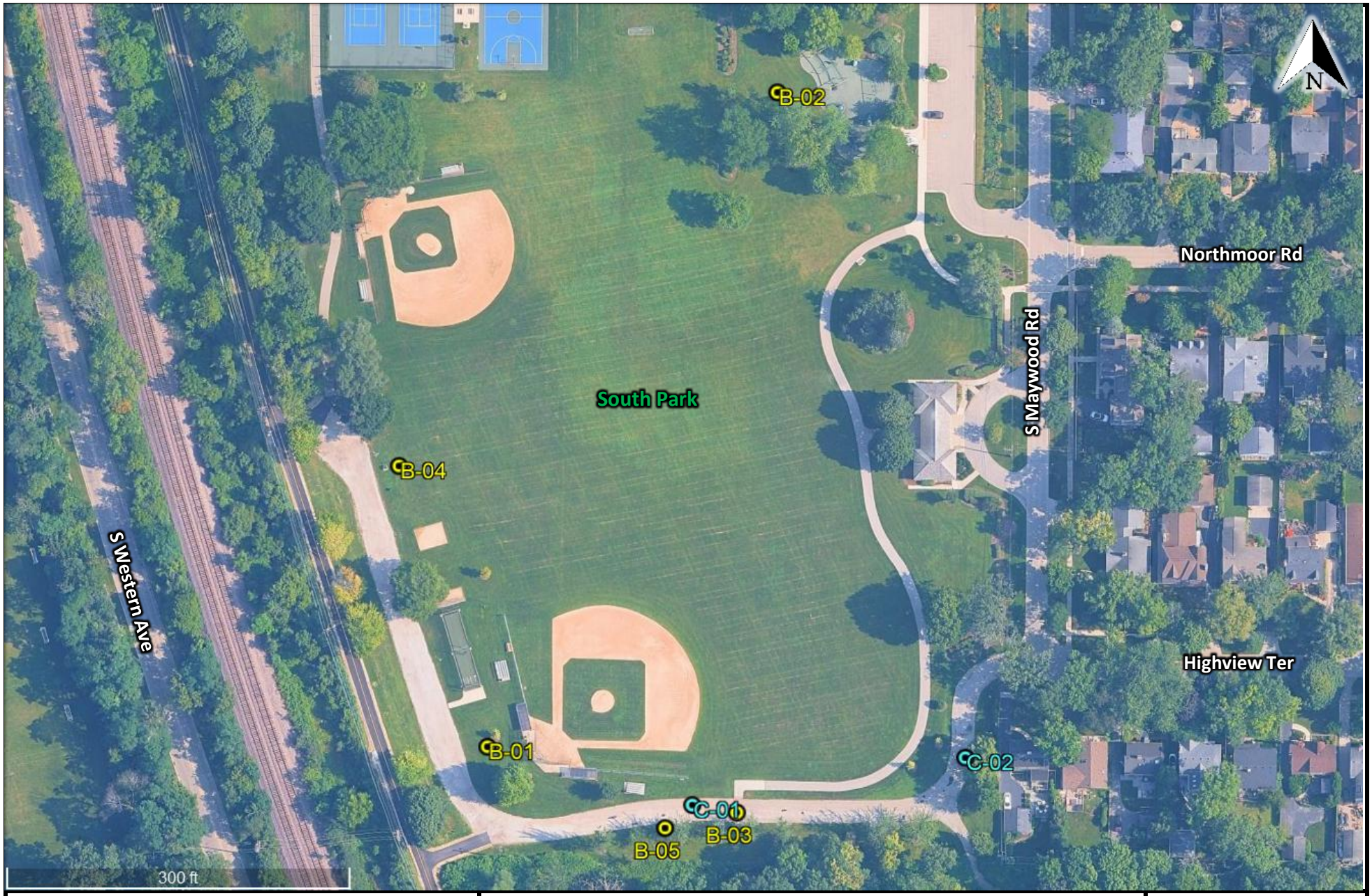


rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**South Park Improvements**
Project Location:	150 S Maywood Rd Lake Forest, Illinois
Client:	**RVi Planning**
Rubino Project # :	G26.127

Site Vicinity Map



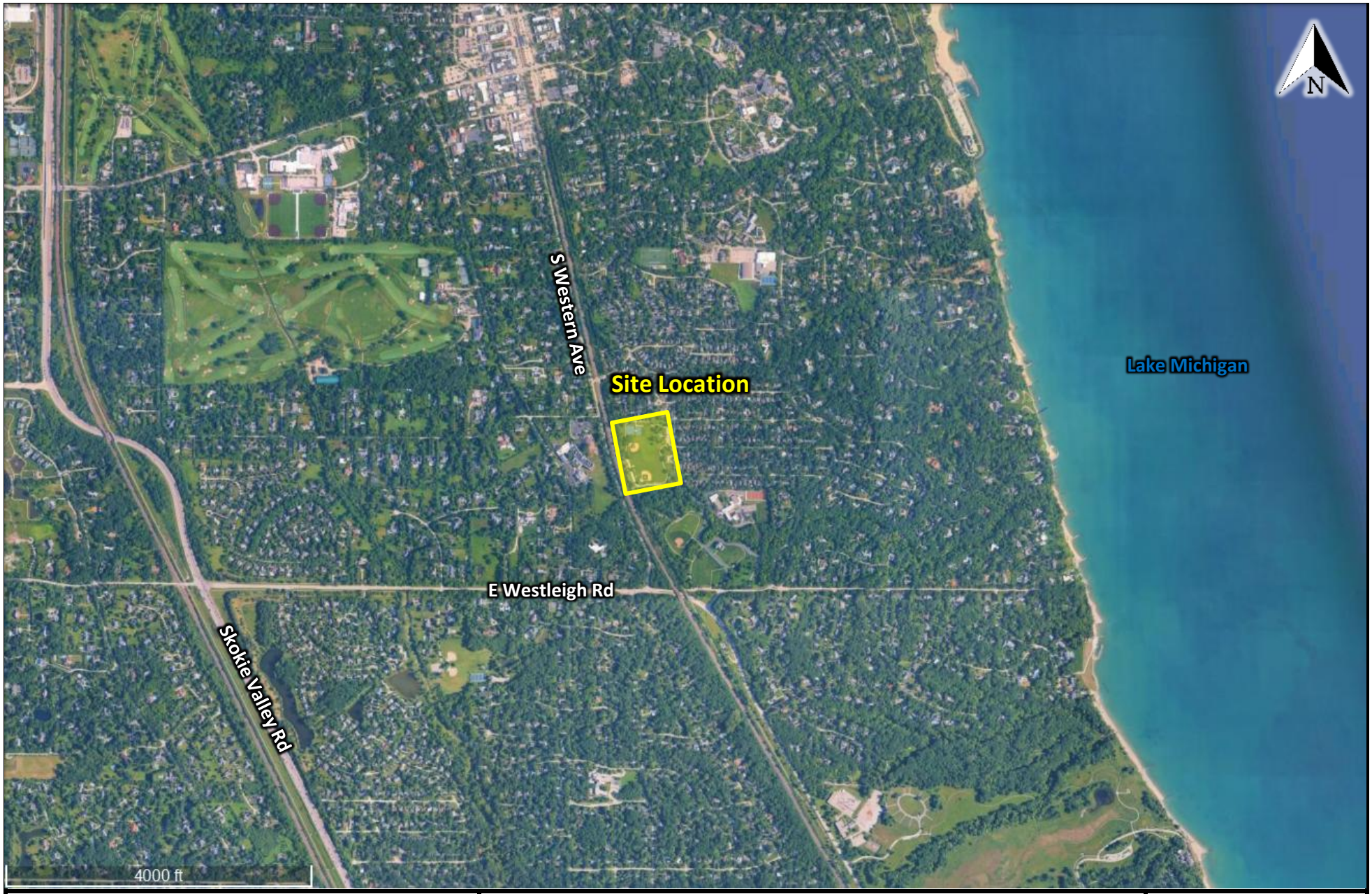
rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**South Park Improvements**
Project Location:	150 S Maywood Rd Lake Forest, Illinois
Client:	**RVi Planning**
Rubino Project # :	G26.127

Boring & Coring Location Plan

Appendix I – Pavement Core Summary Table

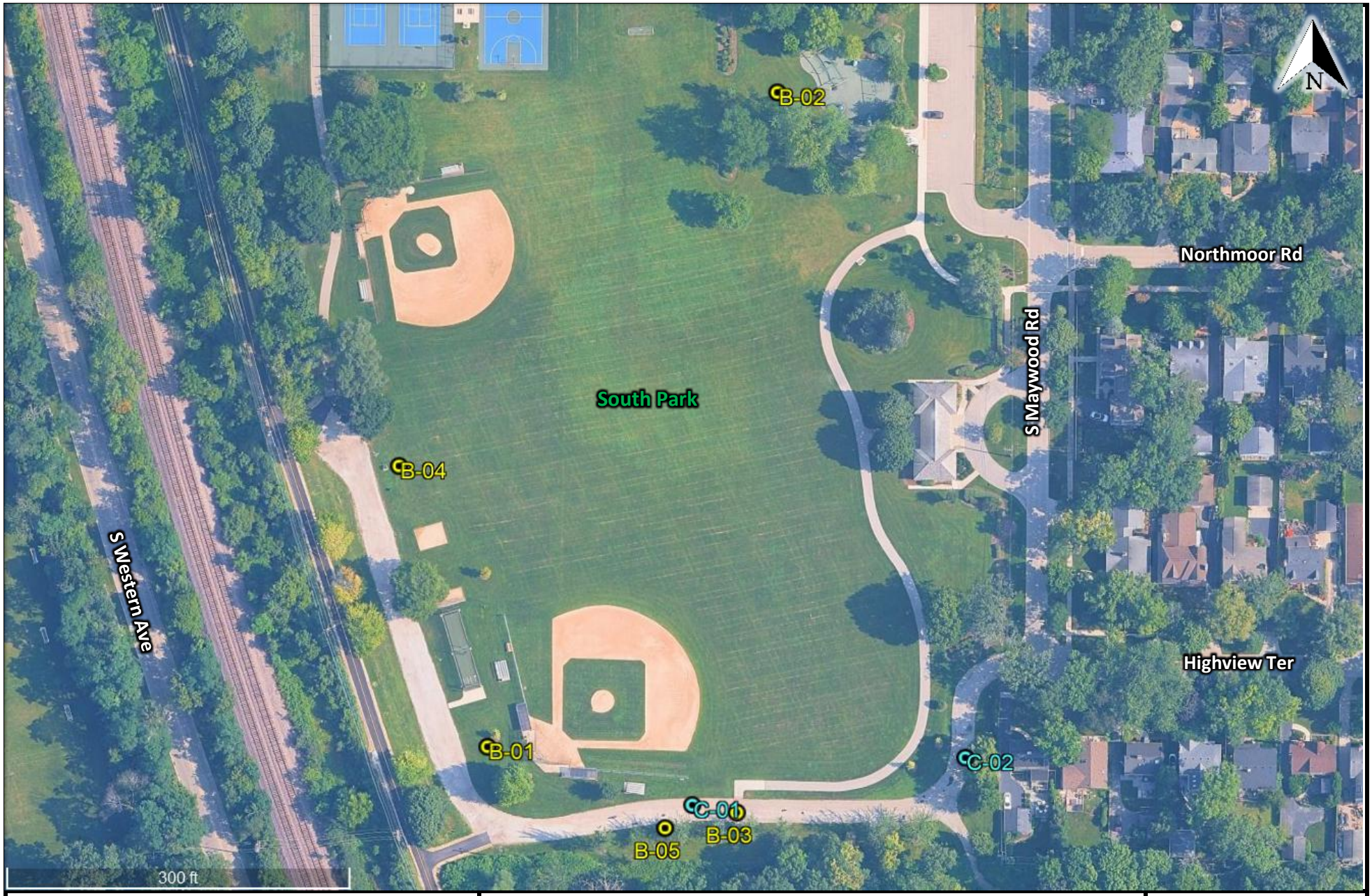


rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**South Park Improvements**
Project Location:	150 S Maywood Rd Lake Forest, Illinois
Client:	**RVi Planning**
Rubino Project # :	G26.127

Site Vicinity Map



rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**South Park Improvements**
Project Location:	150 S Maywood Rd Lake Forest, Illinois
Client:	**RVi Planning**
Rubino Project # :	G26.127

Boring & Coring Location Plan

Appendix J – Boring Logs

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-01

Rubino Job No.:	G26.127	Drilling Method:	2 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	South Park Improvements	Sampling Method:	Split Spoon	While Drilling	N/A
Location:	150 S Maywood Rd	Hammer Type:	Automatic	Upon Completion	N/A
City, State:	Lake Forest, Illinois	Boring Location:	Proposed Picnic Shelter	Delay	N/A
Client:	RVi Planning				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA (Moisture; PL; LL; STRENGTH, tsf: Qu (Rimac); Qp/Qr)	Additional Remarks
	0					Approximately 6 inches of TOPSOIL: dark brown silty clay, with roots					
						FILL: brown and black silty clay, with gravel and deleterious materials *glass fragments, asphalt grindings, and slag observed*					
				1	14			2-1-1 N=2	38		9% Organic Content
				2	12			2-2-1 N=3	42		5% Organic Content
	5										
				3	18	Medium stiff to stiff, brown and gray mottled silty CLAY, trace sand and gravel	CL	3-3-4 N=7	24		Qp=2.5 tsf
				4	18			4-6-7 N=13	18		Qp=4.5 tsf
	10					End of boring at approximately 10 feet below existing grade.					

Completion Depth:	10.0 ft	Sample Types:	Auger Cutting	Direct Push	Latitude: 42.2364406
Date Boring Started:	10/16/26		Split-Spoon	Shelby Tube	Longitude: -87.8341434
Date Boring Completed:	10/16/26		Rock Core	Grab Sample	Drill Rig: Geoprobe 7822DT
Logged By:	J.K.			No Recovery	Remarks:
Drilling Contractor:	Rubino Engineering, Inc.				Log Entry: P. Patel
					Checked By: H. Gregorich

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations and elevation definitions.

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-02

Rubino Job No.:	G26.127	Drilling Method:	2 ¼ Hollow Stem Auger
Project:	South Park Improvements	Sampling Method:	Split Spoon
Location:	150 S Maywood Rd	Hammer Type:	Automatic
City, State:	Lake Forest, Illinois	Boring Location:	Proposed Splash Pad
Client:	RVi Planning		

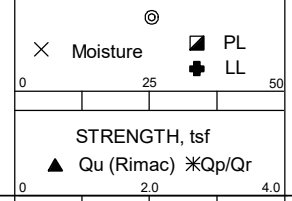
WATER LEVELS***

While Drilling	N/A
Upon Completion	N/A
Delay	N/A

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	Additional Remarks
	0					Approximately 8 inches of TOPSOIL: dark brown silty clay, with roots				
						Stiff to very stiff, brown and gray mottled silty CLAY, trace sand and gravel				
				1	18			4-6-8 N=14	15	Qp=4.5 tsf
				2	18			7-9-10 N=19	16	Qp=4.5 tsf
	5						CL			
				3	18			7-10-8 N=18	16	Qp=4.5 tsf
				4	18			7-8-10 N=18	15	Qp=4.5 tsf
	10					End of boring at approximately 10 feet below existing grade.				

STANDARD PENETRATION TEST DATA



Completion Depth:	10.0 ft	Sample Types:	Direct Push
Date Boring Started:	10/16/26	Auger Cutting	Shelby Tube
Date Boring Completed:	10/16/26	Split-Spoon	Grab Sample
Logged By:	J.K.	Rock Core	No Recovery
Drilling Contractor:	Rubino Engineering, Inc.		

Latitude: 42.23804084
Longitude: -87.8331999
Drill Rig: Geoprobe 7822DT
Remarks:
Log Entry: P. Patel
Checked By: H. Gregorich

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations and elevation definitions.

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-03

Rubino Job No.:	G26.127	Drilling Method:	2 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	South Park Improvements	Sampling Method:	Split Spoon	While Drilling	N/A
Location:	150 S Maywood Rd	Hammer Type:	Automatic	Upon Completion	N/A
City, State:	Lake Forest, Illinois	Boring Location:	Proposed Asphalt Parking Lot	Delay	N/A
Client:	RVi Planning				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture (×), PL, LL (0 / 25 / 50); STRENGTH, tsf: Qu (Rimac) ▲, Qp/Qr ✳ (0 / 2.0 / 4.0)	Additional Remarks
	0					Approximately 2 inches of weathered ASPHALT Approximately 9 inches of SUBBASE STONE					
				1	12	FILL: brown, gray, and black silty clay, with gravel and deleterious materials *pink pieces of insulation observed*		3-2-1 N=3	22		
						Stiff to very stiff, brown and gray mottled silty CLAY, trace sand and gravel					
				2	18			2-4-6 N=10	16		Qp=4.5 tsf
	5						CL				
				3	18			8-12-12 N=24	15		Qp=4.5 tsf
						Very stiff, brown clayey SILT, trace gravel					
				4	18		CL-ML	9-13-13 N=26	20		Qp=4.5 tsf
	10					End of boring at approximately 10 feet below existing grade.					

Completion Depth:	10.0 ft	Sample Types:	Auger Cutting	Direct Push	Latitude: 42.2362771
Date Boring Started:	10/16/26		Split-Spoon	Shelby Tube	Longitude: -87.8333330
Date Boring Completed:	10/16/26		Rock Core	Grab Sample	Drill Rig: Geoprobe 7822DT
Logged By:	J.K.			No Recovery	Remarks:
Drilling Contractor:	Rubino Engineering, Inc.				Log Entry: P. Patel Checked By: H. Gregorich

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations and elevation definitions.

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-04

Rubino Job No.:	G26.127	Drilling Method:	2 ¼ Hollow Stem Auger
Project:	South Park Improvements	Sampling Method:	Split Spoon
Location:	150 S Maywood Rd	Hammer Type:	Automatic
City, State:	Lake Forest, Illinois	Boring Location:	Proposed Synthetic Turf Batting Cage
Client:	RVi Planning		

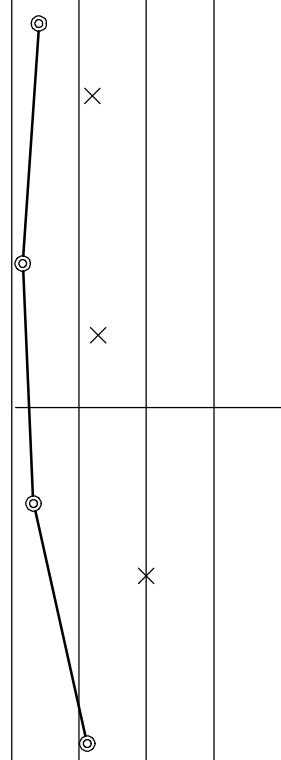
WATER LEVELS***

While Drilling	N/A
Upon Completion	N/A
Delay	N/A

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	Additional Remarks
	0					Approximately 6 inches of TOPSOIL: dark brown silty clay, with roots				
						FILL: brown and black sand, with gravel *asphalt grindings, pieces of glass, pieces of brick, and slag observed*				
				1	18			2-2-3 N=5	15	
				2	0			3-1-1 N=2	16	
	5									
				3	18	Medium stiff to stiff, brown and gray mottled silty CLAY, trace sand and gravel		2-2-2 N=4	25	Qp=2.5 tsf
							CL			
				4	18			3-6-8 N=14	16	Qp=4.5 tsf
	10					End of boring at approximately 10 feet below existing grade.				

STANDARD PENETRATION TEST DATA
◎ × Moisture ◪ PL ✚ LL
0 25 50
STRENGTH, tsf
▲ Qu (Rimac) ✳Qp/Qr
0 2.0 4.0



Completion Depth:	10.0 ft	Sample Types:	Direct Push
Date Boring Started:	10/16/26	Auger Cutting	Shelby Tube
Date Boring Completed:	10/16/26	Split-Spoon	Grab Sample
Logged By:	J.K.	Rock Core	No Recovery
Drilling Contractor:	Rubino Engineering, Inc.		

Latitude: 42.2371332
Longitude: -87.8344290
Drill Rig: Geoprobe 7822DT
Remarks:
Log Entry: P. Patel
Checked By: H. Gregorich

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations and elevation definitions.

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-05

Rubino Job No.: G26.127
Project: South Park Improvements
Location: 150 S Maywood Rd
City, State: Lake Forest, Illinois
Client: RVi Planning

Drilling Method: 2 ¼ Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: Proposed Rain Garden

WATER LEVELS***
While Drilling N/A
Upon Completion N/A
Delay N/A

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	Additional Remarks
	0					Approximately 6 inches of TOPSOIL: dark brown silty clay, with roots				
						Approximately 6 inches of FILL: black gravelly clay				
				1	12	Medium stiff, brown silty CLAY, trace sand and gravel	CL	2-2-2 N=4	23	Qp=3.3 tsf
				2	18	Very stiff, brown and gray mottled silty CLAY, trace sand and gravel		3-6-9 N=15	15	Qp=4.5 tsf
	5			3	18		CL	11-11-15 N=26	15	Qp=4.5 tsf
				4	16	Very stiff, gray clayey SILT, trace gravel	CL-ML	8-10-13 N=23	16	Qp=4.5 tsf
	10					End of boring at approximately 10 feet below existing grade.				

STANDARD PENETRATION TEST DATA
Moisture, PL, LL
0 25 50
STRENGTH, tsf
Qu (Rimac) Qp/Qr
0 2.0 4.0

Completion Depth: 10.0 ft
Date Boring Started: 10/16/26
Date Boring Completed: 10/16/26
Logged By: J.K.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:
Auger Cutting
Split-Spoon
Rock Core
Direct Push
Shelby Tube
Grab Sample
No Recovery

Latitude: 42.2362393
Longitude: -87.8335667
Drill Rig: Geoprobe 7822DT
Remarks:
Log Entry: P. Patel
Checked By: H. Gregorich

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations and elevation definitions.

Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Source Site Certification
by Owner or Operator
for Use of Uncontaminated Soil as Fill in a
CCDD or Uncontaminated Soil Fill Operation
LPC-662

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by source site owners and operators to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(A), that soil (i) was removed from a site that is not potentially impacted property and is presumed to be uncontaminated soil and (ii) is within a pH range of 6.25 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: South Park Improvements Office Phone Number, if available: _____

Physical Site Location (Street, Road): Portions of South Park, 150 S Maywood Rd. See attached Report.

City: Lake Forest State: IL Zip Code: 60045 County: Lake

Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.23713 (Decimal Degrees) Longitude: - 87.83372 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ⊘ Map Interpolation ◯ Photo Interpolation ◯ Survey ◯ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	City of Lake Forest	Name:	
Street Address:	220 E Deerpath Rd	Street Address:	
PO Box:		PO Box:	
City:	Lake Forest State: IL	City:	State:
Zip Code:	60045 Phone:	Zip Code:	Phone:
Contact:		Contact:	
Email, if available:		Email, if available:	

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: South Park Improvements Latitude: 42.23713 Longitude: -87.83372

Source Site Certification

III. Descriptions of Current and Past Uses of Source Site

Describe the current and past uses of the site and nearby properties.* Attach additional information as needed. The description must take into account, at a minimum, the following for the source site and for nearby property: (1) use of the properties for commercial or industrial purposes; (2) the use, storage or disposal of chemical or petroleum products in individual containers greater than 5 gallons or collectively more than 50 gallons; (3) the current or past presence of any storage tanks (above ground or underground); (4) any waste storage, treatment or disposal at the properties; (5) any reported releases or any environmental cleanup or removal of contaminants; (6) any environmental liens or governmental notification of environmental violations; (7) any contamination in a well that exceeds the Board's groundwater quality standards; (8) the use, storage, or disposal of transformers or capacitors manufactured before 1979; and (9) any fill dirt brought to the properties from an unknown source or site.

Number of pages attached: 49

Prior to a site investigation, an Environmental Database Review (EDR) was conducted for the project area. Based on the EDR, seven (7) soil samples were collected through out the project area and were tested for pH. Refer to attached Summary Letter.

*The description must be sufficient to demonstrate that the source site is not potentially impacted property, thereby allowing the source site owner or operator to provide this certification.

IV. Soil pH Testing Results

Describe the results of soil pH testing showing that the soil pH is within the range of 6.25 to 9.0 and attach any supporting documentation.

Number of pages attached: 8

Seven (7) samples were collected and tested for pH. Results were within the range of 6.25 to 9.0 . Please refer to pH Results in Appendix A.2 and Appendix A.3.

V. Source Site Owner, Operator or Authorized Representative's Certification Statement and Signature

In accordance with the Illinois Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I Anthony Tomaras, P.G., Rubino Engineering, Inc. (owner, operator or authorized representataive of source site) certify that this site is not a potentially impacted property and the soil is presumed to be uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. I further certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. Additionally, I certify that I am either the site owner or operator or a duly authorized representative of the site owner or site operator and am authorized to sign this form. Furthermore, I certify that all information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

◯ Owner
◯ Operator
◉ Owner's Duly Authorized Representative
◯ Operator's Duly Authorized Representative

Anthony Tomaras, P.G., Rubino Engineering, Inc.
Printed Name

10-28-26
Date

Anthony Tomaras
Signature

ENVIRONMENTAL SUMMARY REPORT

October 28, 2026

To: Lacey Lawrence, PLA, LEED-AP
RVi Planning
22 E Chicago Ave | Suite 200A
Naperville, Illinois 60540
P: 517.775.4483

Re: **CCDD Testing Summary Report**
South Park Improvements
150 S Maywood Road
Lake Forest, Illinois

Rubino Report No. G26.127

Via email: llawrence@rviplanning.com

Dear Ms. Lawrence,

Rubino Engineering, Inc. (Rubino) is pleased to submit the following report to provide a summary of the CCDD testing for the above referenced project.

This report contains the following:

- *Summary of Environmental Database Review*
- *Summary of field and laboratory tests performed*
- *Summary of laboratory test results*
- *Illinois Environmental Protection Agencies LPC 662 Certificate*

ENVIROMENTAL DATABASE REVIEW

The project site is located at South Park (150 S Maywood Ave) in Lake Forest, Illinois. A map of the project location can be found in **Appendix A.1**. Prior to a site investigation, an Environmental Database Review (EDR) was conducted and the report is included as **Appendix A.4**. After reviewing the EDR report, Rubino. did not find any records of potentially impacted properties in close proximity to the project site that posed an environmental risk.

Based on the fact there were no records of potentially impacted properties in close proximity to the project site that posed an environmental risk, it was determined the project site is not a “potentially impacted property” and therefore only pH sampling of the project site was necessary.

Certification Limits

The LPC 662 Certification Limits include the following locations in Lake Forest, Illinois.

- Portions of South Park, 150 S Maywood Road
  - Area along existing walking path extending from S Maywood Road to Robert McClory Bike Path and north along the west side of the baseball field
  - Area directly west of rubber surface playground area at north end of park

SOIL SAMPLING

On October 16, 2026, Rubino mobilized to the project site to collect soil samples. The sampling locations can be found in **Appendix A.1**. Seven (7) soil samples were collected to approximate depths ranging from 3 to 10 feet below existing grade. The seven (7) samples were submitted to Pace Analytical Services, LLC on October 19, 2026, and were tested for pH.

RESULTS

Lab analysis found that the soil samples were within the allowable pH range of 6.25 to 9.0.

The pH lab analysis results and complete reports can be found in **Appendix A.2** and **Appendix A.3**.

Based on the results of the laboratory testing performed, an **IEPA LPC #662 (CCDD) Certificate was issued** for the project sites at South Park.

CLOSING

Rubino appreciates the opportunity to provide Clean Construction Demolition Debris (CCDD) services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this summary report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully submitted,

RUBINO ENGINEERING, INC.



Michelle A. Lipinski, PE
President

michelle.lipinski@rubinoeng.com

MAL/file/ Enclosures

Prepared by: Parth Patel / Jonathan Ignarski

Reviewed by: Anthony Tomaras, PG

Appendix Contents

APPENDIX A.1 – SITE MAPS
APPENDIX A.2 – pH RESULTS
APPENDIX A.3 – ANALYTICAL LAB REPORT
APPENDIX A.4 – ERIS DATABASE REPORT

APPENDIX A.1 – SITE MAPS



rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**South Park Improvements**
Project Location:	150 S Maywood Rd Lake Forest, Illinois
Client:	**RVi Planning**
Rubino Project # :	G26.127

CCDD Testing Plan

APPENDIX A.2 – pH RESULTS

Client:Rubino Engineering Inc.
Project Number: G26.127-Lake Forest
Work Order: JJ03447

Chemical Name	CCDD Limits	JJ03447-01	JJ03447-02	JJ03447-03	JJ03447-04	JJ03447-05	JJ03447-06	JJ03447-07
		B-01	B-02	B-03	B-04	B-05	C-01	C-02
		10/16/2026	10/16/2026	10/16/2026	10/16/2026	10/16/2026	10/16/2026	10/16/2026
INORG								
EPA 9045D (pH Units)								
pH	9	7.80	8.07	8.09	7.63	8.09	8.12	8.24

Notes:
All results are reported as mg/kg-dry unless otherwise noted.
Bold/Shaded results indicate concentrations exceeding CCDD MACS

APPENDIX A.3 – ANALYTICAL LAB REPORT

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

October 21, 2026

Anthony Tomaras
Rubino Engineering Inc.
425 Shepard Drive
Elgin, IL 60123

RE: G26.127-Lake Forest

Dear Anthony Tomaras:

Please find enclosed the analytical results for the **7** sample(s) the laboratory received on **10/19/26 12:32 pm** and logged in under work order **JJ03447**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise . We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Diane Billings
Project Manager

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JJ03447-01
Name: B-01
Matrix: Solid - Grab

Sampled: 10/16/26 08:40
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	7.80	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Sample: JJ03447-02
Name: B-02
Matrix: Solid - Grab

Sampled: 10/16/26 09:25
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	8.07	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Sample: JJ03447-03
Name: B-03
Matrix: Solid - Grab

Sampled: 10/16/26 10:00
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	8.09	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Sample: JJ03447-04
Name: B-04
Matrix: Solid - Grab

Sampled: 10/16/26 10:20
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	7.63	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Sample: JJ03447-05
Name: B-05
Matrix: Solid - Grab

Sampled: 10/16/26 10:50
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	8.09	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: JJ03447-06
Name: C-01
Matrix: Solid - Grab

Sampled: 10/16/26 11:25
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	8.12	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Sample: JJ03447-07
Name: C-02
Matrix: Solid - Grab

Sampled: 10/16/26 11:40
Received: 10/19/26 12:32

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
General Chemistry - STL									
pH	8.24	pH Units		1		0.0100	10/20/26 16:13	LM2	EPA 9045D

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B645189 - 04-No Prep WC Solid - EPA 9045D									
Duplicate (B645189-DUP1)	**Sample: JJ03311-01**			Prepared & Analyzed: 10/20/26					
pH	8.38	pH Units			8.32			0.7	10
Duplicate (B645189-DUP2)	**Sample: JJ03313-01**			Prepared & Analyzed: 10/20/26					
pH	9.05	pH Units			9.09			0.5	10

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Diane Billings, Project Manager

PACE ANALYTICAL SERVICES
WWW.PACELABS.COM

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
~~COLD~~	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF IL

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
Rubino Engineering, Inc.	G26.127	Lake Forest	
ADDRESS	**PHONE NUMBER**	**E-MAIL**	**DATE SHIPPED**
425 Shepard Drive	847-931-1555	anthony@rubinoeng.com	
CITY STATE ZIP	**SAMPLER (PLEASE PRINT)**		**MATRIX TYPES:**
Elgin, Illinois 60123	Parth Patel		WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID
CONTACT PERSON	**SAMPLER'S SIGNATURE**		
Anthony Tomaras	Parth Patel		

3 ANALYSIS REQUESTED: VOCs (+), SVOCs (+), RCRA Metals (+), pH (+)

4 (FOR LAB USE ONLY)
LOGIN # JJ03447
LOGGED BY:
CLIENT:
PROJECT:
PROJ. MGR.:
CUSTODY SEAL #:

2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	VOCs	SVOCs	RCRA Metals	pH	REMARKS
B-01	10/16/26	0840	X		SO	1					X	
B-02		0925	X		SO	1					X	
B-03		1000	X		SO	1					X	
B-04		1020	X		SO	1					X	
B-05		1050	X		SO	1					X	
C-01		1125	X		SO	1					X	
C-02		1140	X		SO	1					X	

IR Gun # P8 Correction Factor (Deg C) -0.9
Observed Temp (Deg C) 1.0 Corrected Temp (Deg C) 0.1
Delivery Method: ~~FedEx~~ ~~UPS~~ ~~Walk-in~~ ~~USPS~~ (Other) -C

CHEMICAL PRESERVATION CODES: 1 – HCL | 2 – H2SO4 | 3 – HNO3 | 4 – NAOH | 5 – NA2S2O3 | 6 – UNPRESERVED | 7 – OTHER

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) NORMAL RUSH
DATE RESULTS NEEDED
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE
EMAIL IF DIFFERENT FROM ABOVE:
PHONE # IF DIFFERENT FROM ABOVE:

6 *I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.*
PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)

7	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE) Parth Patel	10/19/26	12:32p		10/19/26	1232
RELINQUISHED BY: (SIGNATURE)	10/19/26		RECEIVED BY: (SIGNATURE)	10/19/26	14:51
RELINQUISHED BY: (SIGNATURE)	10/19/26	17:37	RECEIVED BY: (SIGNATURE) mSandern	10/20/26	1015

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT °C
TEMPERATURE GUN ID
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N
DATE AND TIME TAKEN FROM SAMPLE BOTTLE

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Rubino Eng Work Order #: _____ Completed by / Date: MG 10/20/26

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☑N/A	
Chain of Custody (CoC) Present:	☑Yes ☐No	
CoC is Legible:	☑Yes ☐No	
Sampler Name Present on COC:	☑Yes ☐No	
Sampler Signature Present on CoC:	☑Yes ☐No	
Sample Collection Date Present on CoC:	☑Yes ☐No	
Sample Collection Time Present on CoC:	☑Yes ☐No	
CoC Relinquished by Client:	☑Yes ☐No	
Unique Sample ID's Present on CoC:	☑Yes ☐No	
CoC and Sample Container Labels Match:	☑Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☑Yes ☐No ☐N/A ☑Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☑Yes ☐No ☐N/A	
Container(s) Received Intact:	☑Yes ☐No	
Containers Received Labeled and Labels are Legible:	☑Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☑Yes ☐No	
Sufficient Sample Volume Received:	☑Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☐N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☐N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐Yes ☐No ☐N/A	
All (Non-Field) Analysis Received Within Hold Times:	☑Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☐No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☐No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

APPENDIX A.4 – ERIS DATABASE REPORT

DATABASE REPORT

Project Property:	*G26.127 South Park Imp.* *G26.127* *Lake Forest IL 60045*
Project No:	*G26.127*
Report Type:	*Screen Report Plus*
Order No:	*26101900332*
Requested by:	*Rubino Engineering, Inc.*
Date Completed:	*October 19, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents.....2
Executive Summary.....3
Executive Summary: Report Summary.....4
Executive Summary: Site Report Summary - Project Property.....8
Executive Summary: Site Report Summary - Surrounding Properties.....9
Executive Summary: Summary by Data Source.....10
Map.....11
Aerial.....12
Topographic Map.....13
Detail Report.....14
Unplottable Summary.....17
Unplottable Report.....18
Appendix: Database Descriptions.....25
Definitions.....42

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Inc. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: *G26.127 South Park Imp.*
G26.127 Lake Forest IL 60045

Project No: *G26.127*

Coordinates:

Latitude:	*42.237388*
Longitude:	*-87.833734*
UTM Northing:	*4,676,470.14*
UTM Easting:	*431,209.12*
UTM Zone:	*16T*

Elevation: *693 FT*

Parcel ID: *1604200012*

Order Information:

Order No: *26101900332*
Date Requested: *October 19, 2026*
Requested by: *Rubino Engineering, Inc.*
Report Type: *Screen Report Plus*

Historicals/Products:

ERIS Xplorer *ERIS Xplorer*
Excel Add-On *Excel Add-On*

*This report includes a total of **3** records and **0** on site records, broken down as follows:*

Type	*On-Site*	*Standard*	*Non-Standard*
Federal	0	0	1
State	0	2	0
Tribal	0	0	

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.250mi	Total
Standard Environmental Records				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
ODI	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
IODI	Y	0	0	0
CERCLIS	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	0	0
RCRA VSQG	Y	0	0	0
RCRA NON GEN	Y	0	0	0
RCRA CONTROLS	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
LUCIS	Y	0	0	0
NPL IC	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0
FRP	Y	0	0	0
DELISTED FRP	Y	0	0	0
HIST GAS STATIONS	Y	0	0	0
REFN	Y	0	0	0
BULK TERMINAL	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
GEN EMANIFEST	Y	0	0	0
REC EMANIFEST	Y	0	0	0
State				
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	0	0
LUST DOCUMENT	Y	0	0	0
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	**1**	**1**
AST	Y	0	**1**	**1**
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
AUL	Y	0	0	0
SRP	Y	0	0	0
REM ASSESS	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED INDIAN LST	Y	0	0	0
DELISTED INDIAN UST	Y	0	0	0
County	***No County databases were selected to be included in the search.***			

Additional Environmental Records

Federal

OSC RESPONSE	Y	0	0	0
PFAS GHG	Y	0	0	0
FINDS/FRS	Y	0	**1**	**1**
TRIS	Y	0	0	0
PFAS NPL	Y	0	0	0
PFAS FED SITES	Y	0	0	0
PFAS SSEHRI	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
PFAS ERNS	Y	0	0	0
PFAS NPDES	Y	0	0	0
PFAS TRI	Y	0	0	0
PFAS WATER	Y	0	0	0
PFAS TSCA	Y	0	0	0
PFAS E-MANIFEST	Y	0	0	0
PFAS IND	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
FUDS MRS	Y	0	0	0
FORMER NIKE	Y	0	0	0
PIPELINE INCIDENT	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
SMCRA	Y	0	0	0
MRDS	Y	0	0	0
LM SITES	Y	0	0	0
ALT FUELS	Y	0	0	0
CONSENT DECREES	Y	0	0	0
AFS	Y	0	0	0
SSTS	Y	0	0	0
PCBT	Y	0	0	0
PCB	Y	0	0	0
POWER PLANTS	Y	0	0	0
HIST RISK	Y	0	0	0
NPDES BIOSOLIDS	Y	0	0	0
State				
SPILLS	Y	0	0	0
SPILL OER	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
PFAS SPILLS	Y	0	0	0
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
IEPA DOCS	Y	0	0	0
CDL	Y	0	0	0
TIER 2	Y	0	0	0
AIR PERMITS	Y	0	0	0
UIC	Y	0	0	0
MEDICAL WASTE	Y	0	0	0
COMPOST	Y	0	0	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total:	0	***3***	***3***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	AST	T-MOBILE	605 HIGH VIEW TERRACE LAKE FOREST IL 60043 ***Type	Tank:*** Tank - Above Ground Bulk Generator | 223GAL	ESE	0.09 / 466.52	-9	14
2	FINDS/FRS	LAKE FOREST COUNTRY DAY SCHOOL	145 SOUTH GREEN BAY ROAD LAKE FOREST IL ***Registry ID:*** 110025176333	W	0.20 / 1,037.07	3	14
2	UST	Lake Forest Country Day School	145 S Green Bay Rd Lake Forest IL ***Facility No | Facility Status:*** 2025799 | Exempt ***Tank No | Status | Removed Date:*** 2 | Abandoned in place | , 1 | Removed | 7/6/2005	W	0.20 / 1,037.07	3	15

Executive Summary: Summary by Data Source

Standard

State

UST - Underground Storage Tank Database (UST)

A search of the UST database, dated Apr 1, 2026 has found that there are 1 UST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lake Forest Country Day School	145 S Green Bay Rd Lake Forest IL	W	0.20 / 1,037.07	2
	Facility No | Facility Status: *2025799 | Exempt* ***Tank No | Status | Removed Date***: *2 | Abandoned in place | , 1 | Removed | 7/6/2005*			

AST - Aboveground Storage Tanks (AST)

A search of the AST database, dated Jun 30, 2026 has found that there are 1 AST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
T-MOBILE	605 HIGH VIEW TERRACE LAKE FOREST IL 60043	ESE	0.09 / 466.52	1
	Type | Tank: *Tank - Above Ground Bulk Generator | 223GAL*			

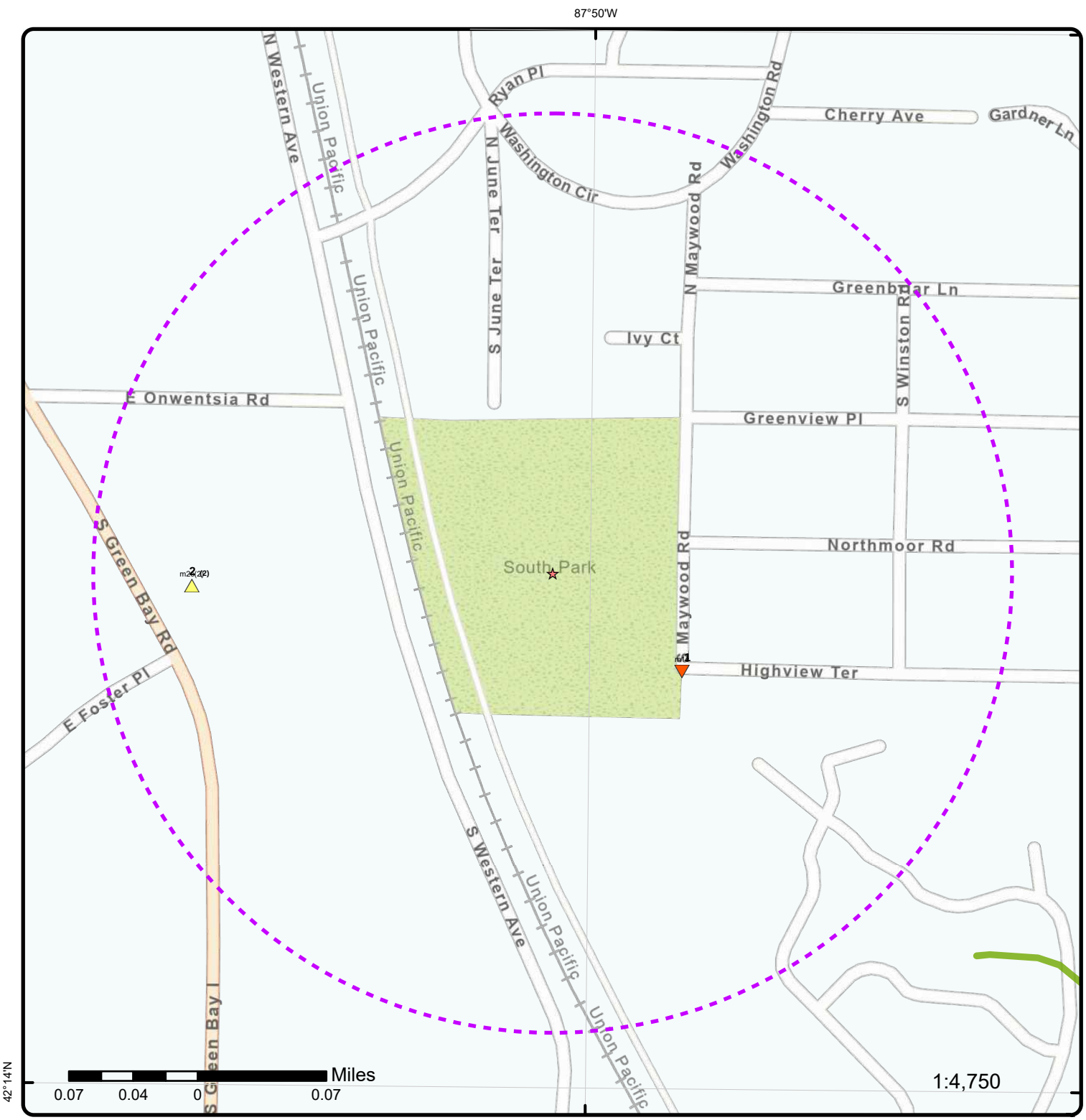
Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Jul 1, 2026 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
LAKE FOREST COUNTRY DAY SCHOOL	145 SOUTH GREEN BAY ROAD LAKE FOREST IL	W	0.20 / 1,037.07	2
	Registry ID: *110025176333*			



Map: 0.25 Mile Radius

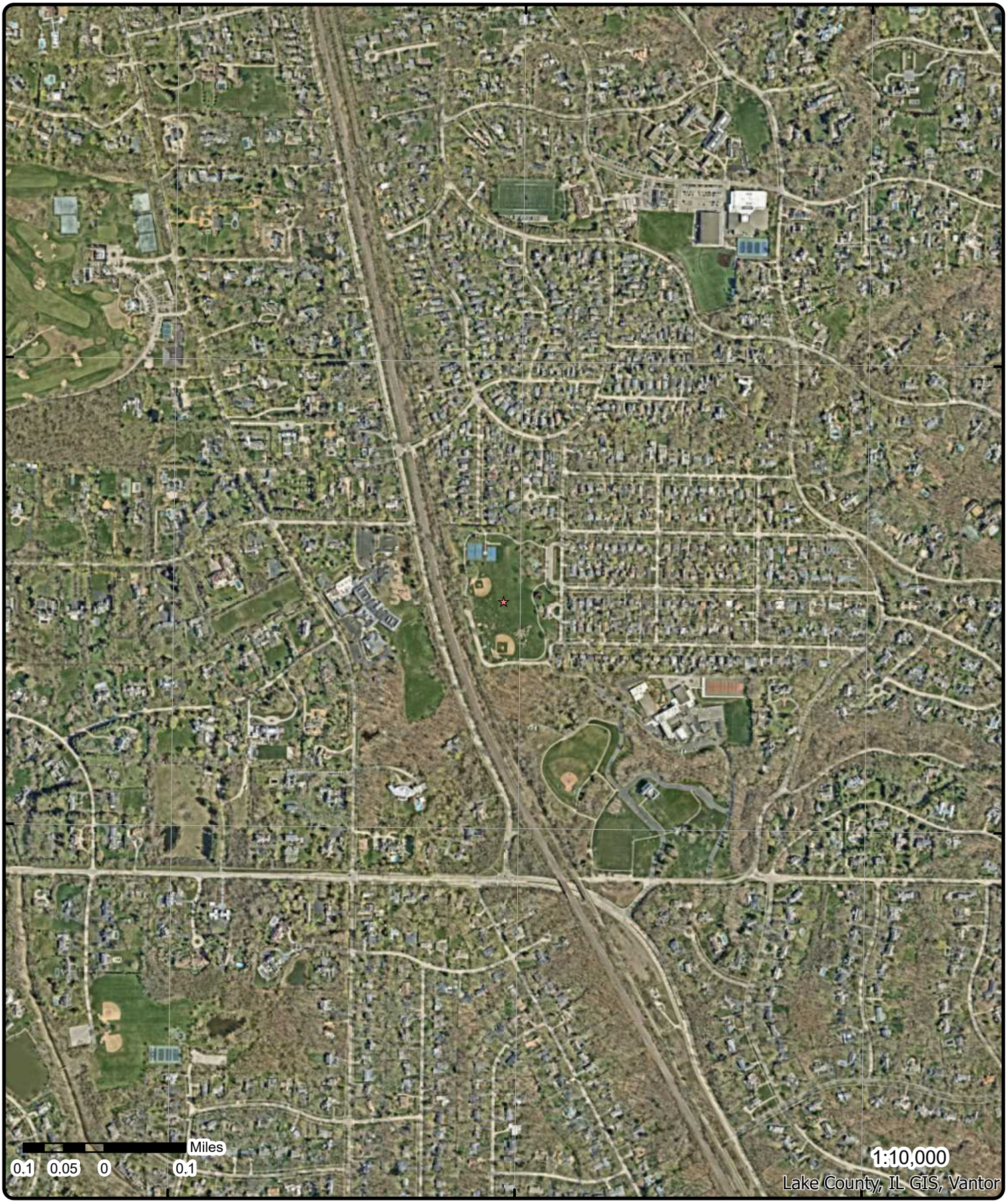
Order Number: 26101900332

Address: G26.127, Lake Forest, IL

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Aerial

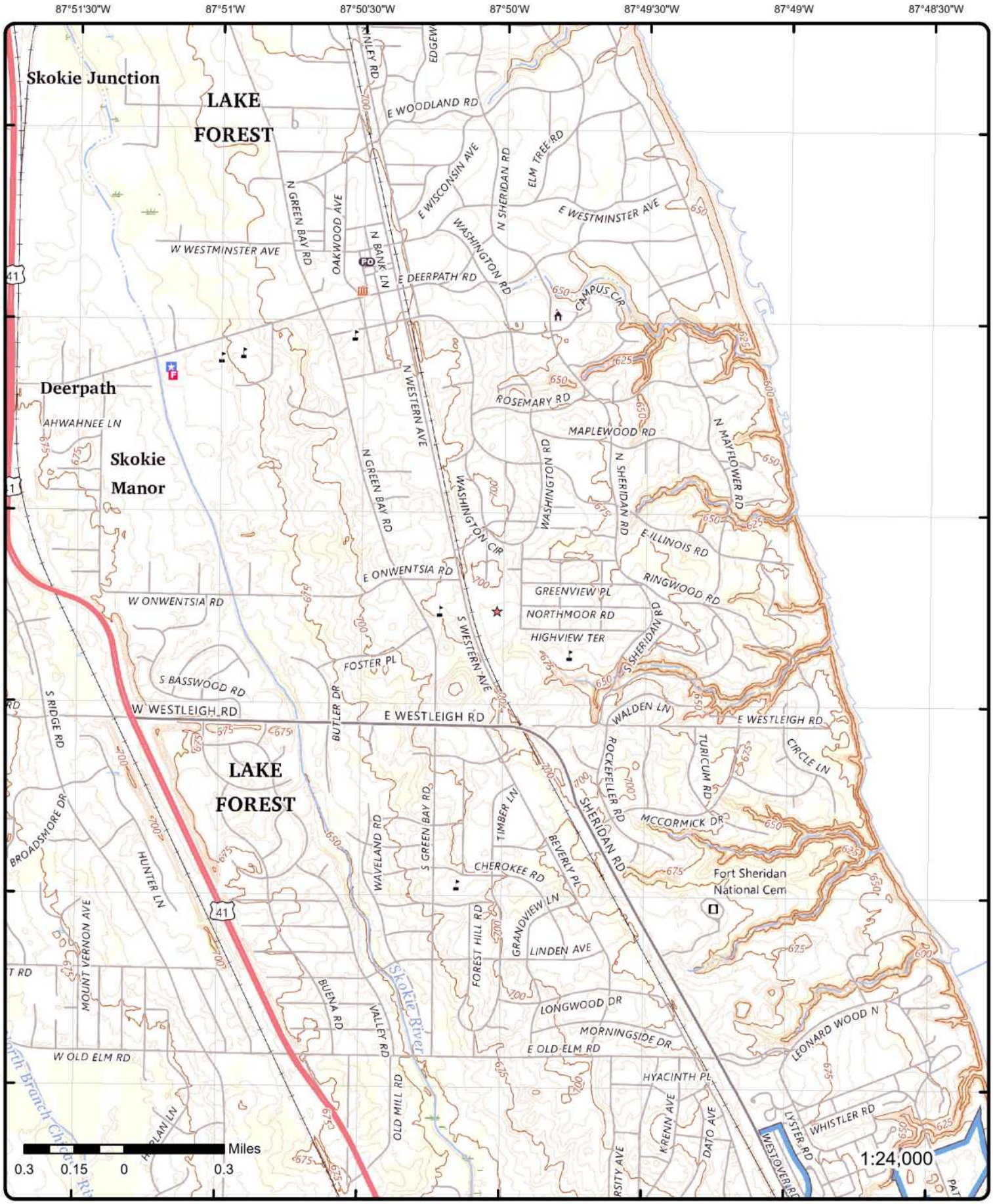
Year: 2025

Address: G26.127, Lake Forest, IL

Source: ESRI World Imagery

Order Number: 26101900332

© ERIS Information Limited Partnership



Topographic Map

Year: 2024

Order Number: 26101900332

Address: G26.127, IL

Quadrangle(s): Highland Park IL

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	ESE	0.09 / 466.52	684.22 / -9	T-MOBILE 605 HIGH VIEW TERRACE LAKE FOREST IL 60043	AST

Type: Tank - Above Ground Bulk Generator
NOVs: 1 NOVs
Tank 2:
Occupant 2:
Occupancy No: 059-LA1652881445712
Occupant Type: UUU-059 -ABOVE GROUND BULK STORAGE
Tank: 223GAL
Building:
Location:
Location Comment:
Date: 5/24/22
Inspector: J. Maki
Row: 111
Section No: LA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 2	W	0.20 / 1,037.07	696.57 / 3	LAKE FOREST COUNTRY DAY SCHOOL 145 SOUTH GREEN BAY ROAD LAKE FOREST IL	FINDS/FRS

Registry ID: 110025176333
FIPS Code: 17097
HUC Code: 07120003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 31-JUL-06
Update Date: 03-MAY-15
Interest Types: ICIS-NPDES NON-MAJOR, STATE MASTER, STORM WATER CONSTRUCTION
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 10
Census Block Code: 170978646021027
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude: 42.23697
Longitude: -87.83794

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Frs Facility Detail Report Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110025176333
Program Acronyms:

ACES:170001772758, NPDES:ILR10C478

2	2 of 2	W	0.20 / 1,037.07	696.57 / 3	Lake Forest Country Day School 145 S Green Bay Rd Lake Forest IL	UST

Facility No: 2025799
Facility Status: Exempt
Fac Details Status: Exempt
Fac Type Fac Details: None
Owner Name: Lake Forest Country Day School
Facility URL: https://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2025799
Permit History Link: https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2025799

Facility Type: None
Owner Type:
Owner Status: Current Owner
County: Lake

Tank Information

Tank No: 2
UI No:
Status: Abandoned in place
Removed Date:
Install Date:
Abandoned Date: 7/10/1990
Last Used Date: 7/10/1990
Red Tag Issue Date:
CAS Code:
OSFM First Noti Dt: 6/19/1990

Capacity: 5000
Petroleum Use: Consumptive Use on Premises for Heating
Product: Heating Oil
CERCLA Substance:
Current Age: 33
Abandoned Material: Inert material mixed with portland cement
Product Date:
Fee Due: $0.00
Regulated Status: State

Tank Information

Tank No: 1
UI No:
Status: Removed
Removed Date: 7/6/2005
Install Date:
Abandoned Date: 7/10/1990
Last Used Date: 7/10/1990
Red Tag Issue Date:
CAS Code:
OSFM First Noti Dt: 6/19/1990

Capacity: 10000
Petroleum Use: Consumptive Use on Premises for Heating
Product: Heating Oil
CERCLA Substance:
Current Age: 33
Abandoned Material: Inert material mixed with portland cement
Product Date:
Fee Due: $0.00
Regulated Status: State

Owner Summary

Owner No:	U0008828	***Owner Status:***	Current Owner
Owner Name:	Lake Forest Country Day School	***Purchase Date:***	
Ownership History:	https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2025799		

Owner Details

Owner Name:	Lake Forest Country Day School	***Type Financial Resp:***	
Owner Status:	Current Owner	***Fin Resp Rpt Due:***	
Purchase Date:			
Owner Address:	145 S Green Bay Rd Lake Forest, IL 60045		

Facility Details

MFD Forms Status:		***Green Tag Decal:***	
MFD Permit Issue Dt:		***Green Tag Issue Date:***	
MFD Permit Exp Dt:		***Green Tag Exp Date:***	
Property Parcel:		***Motor Fuel Type:***	
Pending Nov:	No		
Status:	Exempt		
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2025799		

Motorfuel Dispensing Permit

Status:	No Forms Found
MFD Received Date:	
MFD Name:	
MFD City:	

Unplottable Summary

Total: 12 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
AFS	LAKE FOREST SPORT CARS	7080 WESTERN ST	LAKE FOREST IL	60045	898626929
AIR PERMITS	Lake Forest Sport Cars	7080 N Western St	Lake Forest IL		878665721
FINDS/FRS	LAKE FOREST, CITY OF	WESTERN & WISCONSIN	LAKE FOREST IL		817402885
FINDS/FRS	LAKE FOREST SPORT CARS	7080 WESTERN ST	LAKE FOREST IL		817402879
HIST RISK	Zengeler Arthur W	22 Western av S	LAKE FOREST IL		927858863
HIST RISK	GREEN MILL CLEANERS	98 Western av	LAKE FOREST IL		925919523
ICIS	LAKE FOREST SPORT CARS	7080 WESTERN ST	LAKE FOREST IL	60045	828144475
IEPA DOCS	Lake Forest, City Of	Western & Wisconsin	Lake Forest IL		880826422
IEPA DOCS	Lake Forest Sport Cars	7080 N Western St	Lake Forest IL		880832989
SPILL OER	Pappas Construction	Robinson Drive and Green Bay Road	Lake Forest IL		901570589
SPILLS	Pappas Construction	Robinson Dr & Green Bay Rd	Lake Forest IL		902591312
SPILLS	MR & MRS MILES WHITE	1313 GREEN BAY ROAD	LAKE FOREST IL		822032205

Unplottable Report

Site: ***LAKE FOREST SPORT CARS***
7080 WESTERN ST LAKE FOREST IL 60045

AFS

Afs ID:	1709700370	***Fed Reportable:***	No
Plant ID:	986692	***Current Hpv:***	
Epa Region:	05	***Loc Contrl Region:***	
Plant County:	Lake	***Afs Gov Fac Code:***	0
State No:	17	***Operating Status:***	X
Primary Sic Code:	5511	***Epa Class Code:***	B
Secondary Sic Code:		***Epa Complian Stat:***	0
Naics Code:	441110	***State Comp Status:***	0

Afs Gov Facility Des: PRIVATELY OWNED/OPERATED
Operating Status Def: Permanently Closed
Epa Classification Des: Potential uncontrolled emissions <100 tons/year
Epa Compliance Status: Unknown Compliance Status
State Compliance Status: Unknown Compliance Status

Actions

Plant ID:	986692	***National Actn Type:***	5C
Anu1:	1	***All Air Prog Codes:***	0
Date Achieved:	19880205	***Result Code:***	
Penalty Amount:	0	***Pollutant Code:***	
Record Updated Dt:	20001026	***Violating Poll Cds:***	PT
Creation Date:		***Violation Type Cds:***	
Key Action No:			
Regional Data Element:			

National Action Desc: STATE INSPECTION - LEVEL 2 OR GREATER
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

Historical Compliance - Air Program Level

Air Program Code: 0
Air Program Code Ref: SIP Source
Historical Compliance Date: 0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004, 1101, 1102, 1103, 1104, 1201, 1202, 1203, 1204, 1301, 1302, 1303, 1304, 1401, 1402, 1403
Historical Compliance Status: 0
Historical Compliance Stat Ref: Unknown Compliance Status

Air Program

Plant ID:	986692	***Poll Classificatn:***	B
Air Program Code:	0	***Poll Compli Status:***	0
Air Program Status:	X	***Epa Class Code:***	B
Pollutant Code:	PT	***Epa Compli Status:***	0
Chemical Abstract Service Nmbr:			

Air Program Code Subparts:
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential uncontrolled emissions <100 tons/year
Epa Compliance Status Ref: Unknown Compliance Status
Pollutant Code Ref:
Pollutant Classification Ref: Potential uncontrolled emissions <100 tons/year
Pollutant Complian Status Ref: Unknown Compliance Status

Air Program

Plant ID:	986692	***Poll Classificatn:***	C
Air Program Code:	0	***Poll Compli Status:***	0
Air Program Status:	X	***Epa Class Code:***	B
Pollutant Code:	FACIL	***Epa Compli Status:***	0
Chemical Abstract Service Nmbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	Unknown Compliance Status		
Pollutant Code Ref:			
Pollutant Classification Ref:	Class is unknown.		
Pollutant Complian Status Ref:	Unknown Compliance Status		

Site: ***Lake Forest Sport Cars***
7080 N Western St Lake Forest IL

AIR PERMITS

Note:	Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://webapps.illinois.gov/EPA/DocumentExplorer/
Data Source:	IEPA Source Water Assessment Program (SWAP) & Mapping Tool (Map) (as of 17 Mar 2025)

IEPA Source Water Assessment Program (SWAP) & Mapping Tool

Name:	Lake Forest Sport Cars
Location Addr 3:	7080 N Western St
City Name:	Lake Forest
State Code:	IL
Postal Code:	60045

Details

Indicator:	No	***Revision Dt Time:***	06/28/2003
Site ID:	170000101020	***Collection Dt:***	
System ID:	097080AAS	***Latitude Measure:***	42.227324
RID:	241776	***Longitude Measure:***	-87.854969
Interest Type:	PERMIT	***Point X:***	-87.85496899999998
Media Code:	AIR	***Point Y:***	42.22732400000007

Site: ***LAKE FOREST, CITY OF***
WESTERN & WISCONSIN LAKE FOREST IL

FINDS/FRS

Registry ID:	110018176436
FIPS Code:	17097
HUC Code:	04040002
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	19-OCT-04
Update Date:	17-MAR-06
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	10
Census Block Code:	170978635001011
EPA Region Code:	05
County Name:	LAKE

US/Mexico Border Ind:
Latitude: 42.25428
Longitude: -87.84056
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-NEAREST INTERSECTION
Accuracy Value: 200
Datum: NAD83
Source:
Frs Facility Detail Report Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018176436
Program Acronyms:

ACES:170000629149

Site: ***LAKE FOREST SPORT CARS***
7080 WESTERN ST LAKE FOREST IL

FINDS/FRS

Registry ID: 110001231186
FIPS Code: 17097
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 09-JAN-15
Interest Types: AIR MINOR, STATE MASTER
SIC Codes: 5511
SIC Code Descriptions: MOTOR VEHICLE DEALERS (NEW AND USED)
NAICS Codes: 441110
NAICS Code Descriptions: NEW CAR DEALERS.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 05
County Name: LAKE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Frs Facility Detail Report Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110001231186
Program Acronyms:

ACES:170000101020, AIR:IL000097080AAS, AIRS/AFS:1709700370

Site: ***Zengeler Arthur W***
22 Western av S LAKE FOREST IL

HIST RISK

Historic Potential Business Activity Risk

Year: 1922
Directory Publisher: BUMSTEADS
Broad Term: Potential Hazardous Chemical User
Directory Heading: CLEANERS AND PRESSERS
Listing: Zengeler Arthur W
Address: 22 Western av S
Address2:

City: LAKE FOREST
State: IL
Zip:

Site: ***GREEN MILL CLEANERS***
98 Western av LAKE FOREST IL

HIST RISK

Historic Potential Business Activity Risk

Year: 1927-28
Directory Publisher: POLKS
Broad Term: Potential Hazardous Chemical User
Directory Heading: CLOTHES PRESSERS CLEANERS AND REPAIRERS
Listing: GREEN MILL CLEANERS
Address: 98 Western av
Address2:
City: LAKE FOREST
State: IL
Zip:

Site: ***LAKE FOREST SPORT CARS***
7080 WESTERN ST LAKE FOREST IL 60045

ICIS

EPA Region: 05
Registry ID: 110001231186
Pgm Sys ID: IL000097080AAS
Pgm Sys Acrnm: AIR
Permit Type:
Federal Fac ID:
Tribal Land Code:
County: Lake
Latitude 83:
Longitude 83:

Site: ***Lake Forest, City Of***
Western & Wisconsin Lake Forest IL

IEPA DOCS

Note: Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://webapps.illinois.gov/EPA/DocumentExplorer/

IEPA Source Water Assessment Program (SWAP) & Mapping Tool

Name: Lake Forest, City Of
Location Addr 3: Western & Wisconsin
City Name: Lake Forest
State Code: IL
Postal Code: 60045

Details

Indicator: No
Site ID: 170000629149
System ID: 0970803006
Collection Dt: 10/01/1998
Revision Dt Time: 06/30/2003
Interest Type: BOL
Media Code: LAND
Latitude Measure: 42.2545
Longitude Measure: -87.84081
Point X: -87.84080999999998
Point Y: 42.254500000000064

Site: ***Lake Forest Sport Cars***
7080 N Western St Lake Forest IL

IEPA DOCS

Note: Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://webapps.illinois.gov/EPA/DocumentExplorer/

IEPA Source Water Assessment Program (SWAP) & Mapping Tool

Name: Lake Forest Sport Cars

Location Addr 3: 7080 N Western St
City Name: Lake Forest
State Code: IL
Postal Code: 60045

Details

Indicator: No
Site ID: 170000101020
System ID: 0970805010
Collection Dt: 12/30/2003
Revision Dt Time: 06/28/2003
Interest Type: BOL
Media Code: LAND
Latitude Measure: 42.25387
Longitude Measure: -87.84063
Point X: -87.84062999999998
Point Y: 42.25387000000006

Site: ***Pappas Construction***
Robinson Drive and Green Bay Road Lake Forest IL

SPILL OER

Incident ID: 20220588

Spill Detail(s)

Incident LUST: 0
Occured Date: 7/2/2022
PRP Name: Pappas Construction
Incident Street: Robinson Drive and Green Bay Road
Incident City: Lake Forest
Incident County: Lake
Action: SR
Description of Action: Suspended Review
Received Date:

Site: ***Pappas Construction***
Robinson Dr & Green Bay Rd Lake Forest IL

SPILLS

Incident No: H-2022-0588
Date/Time Occurred: 2022-07-02 16:00
Media Release: Ground
Facility Manager: John Pappas
Fac Manager Phone: 847/343-6716
Responsible Party Street: 2100 Johns Ct
Area Involved: Fixed Facility
Milepost: N/A
Section: N/A
Township: N/A
Range: N/A
County: Lake
Latitude: 42.232631
Longutude: -87.854956

Hazardous Materials Incident Report

Incident Report Dt: 7/2/2022 6:20:45 PM
Data Input Status: Closed
LUST?: No
Hazmat Incident Type: Fire
Caller: Sgt. Ben Grum
Caller Represents: Lake Forest PD
Street Address: Robinson Dr & Green Bay Rd
City: Lake Forest
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2022-0588
Narrative:
County: Lake
Entered by: Kattner, Paul (IEMA)
Date Entered:

Follow Up Information:

Weather Information

Temp: 68 Degrees

Wind:	Calm

Materials Involved

Name:	Diesel Fuel & Hydraulic Fluid
Type:	Liquid
CHRIS CODE:	Unknown
CAS No:	Unknown
UN/NA No:	Unknown
Container Type:	Excavator fuel tank and hydraulic system
Container Size:	80 Gallons of diesel, unknown how much hydraulic fluid
Amount Released:	<80 Gallons of diesel, unknown amount of hydraulic fluid.
Rate of Release Min:	Unknown
Duration of Release:	Since 16:25
Cause of Release:	Excavator at construction site caught fire. Firefighters hosed down the excavator to extinguish the fire causing the release to runoff.
Est Spill Extent:	Unknown
Spill Extent Units:	
Date/Time Inc Occur:	2022-07-02 16:00
Unknown Occurr:	
Date/Time Discov:	2022-07-02 16:25
Unknown Discovered:	
Where Taken:	N/A
On Scene Contact:	Sgt. Ben Grum
No of People Evacuat:	0
A 302(a) Extremely Haz Sub?:	Unknown
A RCRA Hazardous Waste?:	Unknown
A RCRA Regulated Facility?:	Unknown
Proper Safety Precautions:	None
State Agency Assistance:	Caller would like to speak with an IEPA Responder.
Containment/Cleanup Plans:	Fire Department has applied absorbent materials.

Emergency Units Contacted

Contacted ESDA?:	
ESDA on Scene?:	
Spec ESDA Agency:	None
Contacted Fire Dep?:	Yes
Fire Dep on Scene?:	Yes
Name of Fire Dep:	Lake Forest Fire, Libertyville Fire (Investigators)
Police Dep Contact?:	Yes
Police Dep on Scene:	Yes
Name of Police Dep:	Lake Forest PD
Sheriff Police Dep?:	
Sheriff Dep on Scene:	
Name of Sheriff Dep:	None
Other Agency?:	
Agency on Scene?:	
Name of Agency:	None

Agency or Persons Notified

Agency:	IEPA, OSFM, NRTP, & IEMA Region #4
Date/Time:	2022-07-02 18:25
Name of Person:	E-mailed
Notification Action:	Report Sent
Agency:	IEPA D/O
Date/Time:	2022-07-02 18:20
Name of Person:	Lake
Notification Action:	Contacted

Site: ***MR & MRS MILES WHITE***
1313 GREEN BAY ROAD LAKE FOREST IL

SPILLS

Incident No:	961223	***County:***	LAKE
Date/Time Occurred:	7/9/1996 1:13:00 PM	***Latitude:***	

Media Release: ***Longutude:***
Facility Manager:
Fac Manager Phone:
Responsible Party Street:
Area Involved: FIXED FACILITY
Milepost:
Section:
Township:
Range:

Hazardous Materials Incident Report

Incident Report Dt: 7/9/1996 1:13:00 PM ***County:*** LAKE
Data Input Status: CLOSED ***Entered by:***
LUST?: ***Date Entered:***
Hazmat Incident Type: LEAK
Caller: KEVIN MCLEAN
Caller Represents: MARTIN DESIGN GROUP INC
Street Address: 1313 GREEN BAY ROAD
City: LAKE FOREST
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=961223
Narrative:

Follow Up Information:

Materials Involved

Name: FUEL OIL
Type: UNKNOWN
CHRIS CODE:
CAS No:
UN/NA No:
Container Type: UNDERGROUND TANK
Container Size: UNDERGROUND TANK
Amount Released: LESS THAN 100 GALS
Rate of Release Min:
Duration of Release:
Cause of Release: OLD TANK/CORROSION
Est Spill Extent:
Spill Extent Units:
Date/Time Inc Occur:
Unknown Occurr:
Date/Time Discov: 07/08/96 1000
Unknown Discovered:
Where Taken: -0-
On Scene Contact:
No of People Evacuat: -0-
A 302(a) Extremely Haz Sub?:
A RCRA Hazardous Waste?:
A RCRA Regulated Facility?:
Proper Safety Precautions: NONE
State Agency Assistance:
Containment/Cleanup Plans:

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Currently on the Final NPL (F)' and/or the 'Site is Part of NPL Site (A)'. These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 6, 2026

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 6, 2026

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 6, 2026

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jul 5, 2026

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jun 29, 2026

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Aug 9, 2026

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Aug 9, 2026

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste. This list also includes RCRAInfo sites that have notified as LQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Aug 9, 2026

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month. This list also includes RCRAInfo sites that have notified as SQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Aug 9, 2026

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Aug 9, 2026

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Aug 9, 2026

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Aug 9, 2026

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 29, 2026

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 29, 2026

Land Use Controls Information System: LUCIS

The Land Use Controls Information System (LUCIS) database is sourced from the U.S. Department of the Navy (DON). This data contains information for former Base Realignment and Closure (BRAC) properties across the United States. DON's BRAC office was tasked with tracking certain base closures while requiring the prevention of risks to human health and the environment of those properties with LUCs in place. Regarding currently available LUC Sites data, the sites listing is limited to centroid point locations for the overall installation property boundaries. Formerly obtained LUC Sites data may reflect site details that applied previously for a BRAC property.

Government Publication Date: Jun 13, 2024

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Jul 6, 2026

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Sep 6, 2026

Brownfields Properties: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. This list of Brownfields Properties is provided by the United States Environmental Protection Agency (EPA) and is sourced from the Cleanups in My Community (CIMC) web application. The brownfields data are reported by grant recipients through the EPA's Assessment, Cleanup and Redevelopment Exchange System (ACRES). Many properties meet the definition of a brownfield but are not funded by the EPA's program. Such properties may instead be supported by state or local governments, private organizations, or nonprofit entities.

Government Publication Date: Mar 31, 2026

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. The list includes FRP facilities sourced from the EPA FOIA office and from previously available Homeland Infrastructure Foundation-Level Data (HIFLD) file/s. Disclaimer: Per the EPA FOIA Office, the verification process for current requested FRP data is undergoing review and revision, and any similar reporting will be made public in Fiscal Year 2027. For this reason, the latest available FOIA file may be incomplete.

Government Publication Date: Jun 1, 2025

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jun 1, 2025

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 5, 2025

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jun 29, 2026

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Jul 30, 2026

Hazardous Waste Generators from e-Manifest: GEN EMANIFEST

A list of generators from the U.S. Environmental Protection Agency's (EPA) e-Manifest system. The EPA established the national e-Manifest system for tracking hazardous waste shipments electronically. This system modernizes the nation's cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states. The EPA launched e-Manifest on June 30, 2018.

Government Publication Date: Oct 5, 2025

Hazardous Waste Receivers from e-Manifest: REC EMANIFEST

A list of receivers from the U.S. Environmental Protection Agency's (EPA) e-Manifest system. The EPA established the national e-Manifest system for tracking hazardous waste shipments electronically. This system modernizes the nation's cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states. The EPA launched e-Manifest on June 30, 2018. The e-Manifest dataset contains summarized manifest data that are releasable 90 days after receipt by the receiving facility.

Government Publication Date: Oct 5, 2025

State

State Response Action Program Database: SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Nov 14, 2025

Delisted State Response Action Program: DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Nov 14, 2025

Solid Waste Landfills Subject to State Surcharge Database: SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Jul 15, 2026

Special Waste Site List: SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois: NIPC

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Government Publication Date: Dec 1987

Clean Construction or Demolition Debris: CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Jul 1, 2025

Leaking Underground Storage Tanks (LUST): LUST

Leaking underground storage tanks (LUSTs) are a significant source of environmental contamination and may pose threats to human health and safety. The Illinois Office of the State Fire Marshal (OSFM) regulates the daily operation and maintenance of UST systems. When a release occurs, a tank owner, operator, or their designated representative, must notify the Illinois Emergency Management Agency (IEMA), which then notifies the Illinois Environmental Protection Agency (Illinois EPA). The Illinois EPA's LUST Section begins oversight of remedial activities only after the UST release has been reported to the IEMA.

Government Publication Date: Jun 3, 2026

Leaking UST Document: LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Jun 23, 2026

Delisted Leaking Underground Storage Tank Sites: DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Jun 23, 2026

Underground Storage Tank Fund Payment Priority List: LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST): UST

This Underground Storage Tank (UST) database is maintained by the Division of Petroleum & Chemical Safety of the Office of the Illinois State Fire Marshal (OSFM). Agency Disclaimer: The data contains information derived from tank registration information supplied to the OSFM from outside sources. This information may not contain complete or current information on a specific tank.

Government Publication Date: Apr 1, 2026

Aboveground Storage Tanks (AST): AST

A list of aboveground storage tanks inspected by the Office of the Illinois State Fire Marshal (OSFM).

Government Publication Date: Jun 30, 2026

Delisted Storage Tanks: DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the Illinois Department of Environmental Quality.

Government Publication Date: Jun 3, 2026

Sites with Engineering Controls: ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with engineering controls in place.

Government Publication Date: Aug 25, 2026

Institutional Controls: INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with institutional controls in place.

Government Publication Date: Aug 25, 2026

Environmental Covenants Registry: AUL

According to the Illinois Environmental Protection Agency (Illinois EPA), the Illinois Uniform Environmental Covenants Act (UECA) (765 Illinois Compiled Statues (ILCS) 122 et seq.) creates an environmental covenant that is a specific recordable interest in real estate. It arises from an environmental response project that imposes activity and use limitations on a property. No environmental covenant is effective without the approval of the Illinois EPA, through the Director's signature. The UECA instrument recites the property use controls and remediation requirements imposed upon the property. Section 12(a) of the Illinois UECA requires the Illinois EPA to establish and maintain a registry that contains all environmental covenants and any amendment or termination of those covenants.

Government Publication Date: Apr 3, 2025

Illinois Site Remediation Program Database: SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). The SRP database is made available by the Illinois Environmental Protection Agency (IEPA).

Government Publication Date: Aug 25, 2026

Document Explorer Remediation and Assessment Sites: REM ASSESS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more documents available are associated with the Federal Facilities Unit, National Priorities List Unit, Site Assessment Unit, or Voluntary Site Remediation Unit. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Jun 23, 2026

Brownfields Redevelopment Assessment Database: BROWNFIELDS

This listing of Brownfields Redevelopment Assessment sites is provided by the Illinois Environmental Protection Agency's (IL EPA) Bureau of Land. Brownfields are abandoned or under-utilized industrial and commercial properties with actual or perceived contamination and an active potential for redevelopment. The IL EPA Remedial Project Management Section (RPMS) manages the Brownfields loan programs and offers technical support to communities through the services of its Brownfields Representatives.

Government Publication Date: Oct 1, 2025

Historical Municipal Brownfields Redevelopment Grant Program Project Sites: BROWN MBRGP

The Illinois Environmental Protection Agency (IEPA) Office of Brownfields Assistance (OBA) historically identified the status of project sites funded under the Municipal Brownfields Redevelopment Grant Program (MBRGP). This MBRGP project sites list was made available by the IEPA Agency Bureau of Land Data-Center and served as a public reference for project status information. No further updates are planned.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 28, 2026

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 28, 2026

County

No County databases were selected to be included in the search.

Additional Environmental Record Sources

Federal

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation. The site listing is made available by the EPA's secure Freedom of Information Act (FOIA) process.

Government Publication Date: Mar 24, 2026

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's (EPA) Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. This dataset is sourced from the EPA through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools, and it includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified as PFAS based on EPA's CompTox Chemicals Dashboard lists of PFAS with defined and undefined structures. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

Government Publication Date: May 18, 2026

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Jul 1, 2026

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2024.

Government Publication Date: Nov 5, 2025

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Mar 30, 2026

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

This site list of Federal Agency Locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD) / Department of War (DOW), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dataset includes data that may range from 2021 to 2026 depending on the federal entity. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Jul 20, 2026

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Aug 1, 2025

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Jul 20, 2026

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR) permitted facilities, with required monitoring for Per- and Polyfluoroalkyl Substances (PFAS), is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for PFAS, limited to the years 2007 - present. EPA Disclaimer: Currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Sep 7, 2026

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Feb 2, 2026

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest: PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Apr 25, 2026

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. The dataset was developed from various sources that show which industries may be handling PFAS including: EPA's ECHO records restricted to potential PFAS-handling industry sectors, based on the North American Industry Classification System (NAICS) Codes and Standard Industrial Classification (SIC) Codes associated federal regulatory programs (e.g., Clean Water Act, Clean Air Act, and Resource Conservation and Recovery Act) at the facility level; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training Sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: May 4, 2026

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: Jan 29, 2026

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Aug 31, 2026

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: May 2, 2026

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Apr 19, 2026

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites which once appeared on - and have since been removed from - the list of drycleaner facilities included in Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Apr 19, 2026

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is sourced from the USACE's Geospatial FUDS Property Point, FUDS Project Point, and FUDS Property Polygon layers which apply to the Fiscal Year 2024 Inventory. DISCLAIMER: Polygon data are based on preliminary findings, and not all properties currently have polygon data available. This data represents the results of data collection/processing for a specific USACE activity and is in no way considered comprehensive or to be used in any legal or official capacity as presented on this site. The USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein.

Government Publication Date: Apr 15, 2026

FUDS Munitions Response Sites: FUDS MRS

This Munitions Response Sites (MRS) dataset is published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) for Fiscal Year 2024 by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial FUDS MRS data layer. The USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein.

Government Publication Date: Apr 15, 2026

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Jan 7, 2026

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 8, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 8, 2026

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 7, 2026

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). The intent of the site location is to provide a general reference point to the site on a national scale. The coordinates of each site point can be the location of a site monument, the centroid of the site boundary, or a general location of the site. This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Jan 9, 2026

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the U.S. Department of Energy's (DOE) Alternative Fuels Data Center (AFDC) and National Renewable Energy Laboratory (NREL). The DOE's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Jun 4, 2026

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Dec 30, 2025

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 26, 2025

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Aug 12, 2025

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Jun 5, 2025

Historical Business Activity Risk: HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

Government Publication Date: Jan 1, 1960

NPDES Biosolids Program Permit Holders: NPDES BIOSOLIDS

This Water National Pollutant Discharge Elimination System (NPDES) Biosolids Permits list is sourced from the U.S. Environmental Protection Agency's (EPA) Enforcement and Compliance History Online data. EPA's Integrated Compliance Information System (ICIS) for NPDES includes facility and compliance information for NPDES permits in the ECHO Biosolids facility universe. Per the EPA, when sewage from households and businesses (and sometimes wastewater from industrial dischargers) is sent to a wastewater treatment plant, the liquids are separated from the solids, producing a semi-solid, nutrient-rich product known as "sewage sludge" or "biosolids". The EPA typically uses the term "biosolids" to mean sewage sludge that has been treated to meet the agency's regulatory requirements and is intended to be land applied as a soil conditioner or fertilizer.

Government Publication Date: May 2, 2026

State

Spills and Incidents: SPILLS

This listing of hazardous materials spill/incident reports is sourced from the Illinois Emergency Management Agency (IEMA)

Government Publication Date: Jul 13, 2026

Emergency Response Releases & Spills Database: SPILL OER

The Illinois Environmental Protection Agency's (IEPA) Office of Emergency Response (OER) maintains this Emergency Response Releases & Spills Database. The Emergency Operations Unit (EOU), within OER, coordinates IEPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Jul 28, 2026

PFAS Spill Sites: PFAS SPILLS

A specific list of spill/incident reports from the Illinois Emergency Management Agency (IEMA) where the hazardous material involved in the spill/incident is identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA).

Government Publication Date: Jul 28, 2026

Dry Cleaning Facilities: DRYCLEANERS

This list of licensed drycleaner facilities is provided by the Drycleaner Environmental Response Trust Fund of Illinois; and since July 1, 2020, is administrated by Illinois Environmental Protection Agency (IEPA).

Government Publication Date: Sep 2, 2026

Delisted Drycleaners: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Sep 2, 2026

IEPA Document Explorer: IEPA DOCS

A list of permits and documents found in the Illinois Environmental Protection Agency (IEPA) Document Explorer. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are available in a digital format. This list includes records not otherwise categorized as LUST, Remediation, Air Permits, NPDES, or Compliance Commitment Agreements.

Government Publication Date: Mar 17, 2025

Clandestine Drug Labs: CDL

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Jan 4, 2023

Tier 2 Report: TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: May 10, 2023

Air Permits: AIR PERMITS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Jun 23, 2026

Underground Injection Control Wells: UIC

The Underground Injection Control (UIC) Program is a federal program established under the provision of the Safe Drinking Water Act of 1974. Since groundwater is a major source of drinking water in the United States, the UIC Program requirements were designed to prevent contamination of groundwater resulting from the operation of injection wells. The Underground Injection Well Inventory is provided by the Illinois Environmental Protection Agency. This inventory includes Class V Injections Wells which are utilized to inject non-hazardous waste into or above the Underground Source of Drinking Water.

Government Publication Date: Aug 1, 2019

Potentially Infectious Medical Waste Facilities: MEDICAL WASTE

Title 35 of the Illinois Administrative Code defines Potentially Infectious Medical Waste (PIMW) as waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals. The Illinois Environmental Protection Agency's Bureau of Land is responsible for administering the PIMW program. The facilities included on this listing treat, store, transfer or dispose of PIMW.

Government Publication Date: Jan 21, 2026

Compost Facilities: COMPOST

The Illinois Environmental Protection Agency's Bureau of Land, Materials Management Unit maintains this list of composting facilities. Composting facilities provide an alternative option to managing and disposing of non-hazardous solid waste and/or landscape waste instead of the waste being landfilled. It is a natural form of recycling that turns some common kinds of household waste, like food and lawn wastes, into a dark organic material that can be used in a variety of beneficial ways.

Government Publication Date: Oct 30, 2025

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.