



Shabica & Associates, Inc.

Federal Consistency Coordinator
Illinois Coastal Management Program
Illinois Department of Natural Resources
160 N. LaSalle Street, Suite 700
Chicago, IL 60601

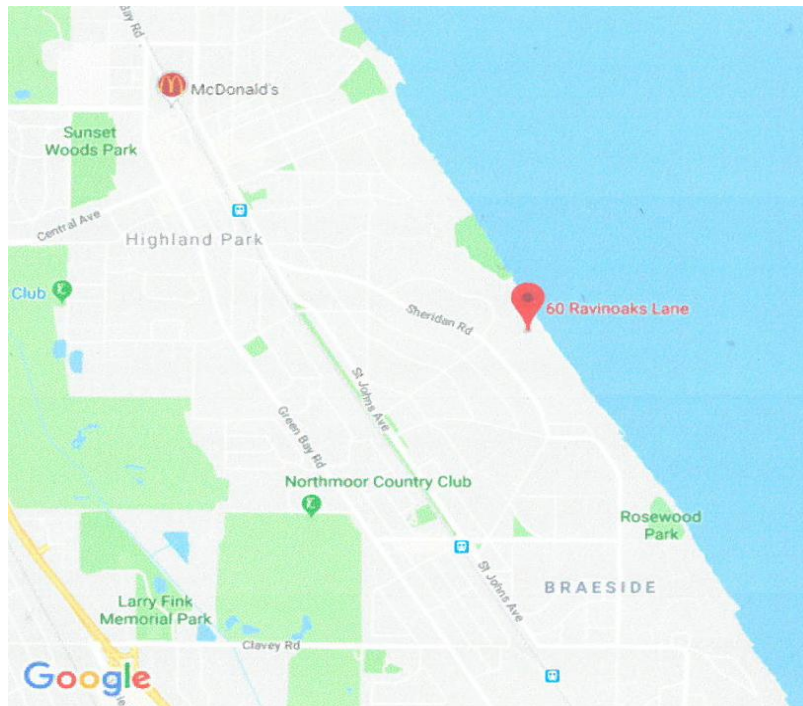
To Whom It May Concern:

January 29, 2025

In compliance with the Illinois Coastal Management Federal Consistency Review Procedures, we provide the following information for a 10-year sand nourishment permit for the property located at 60 Ravinoaks Lane, Highland Park, Illinois 60035, owned by Richard and Linda Price.

Location of Project

The proposed 10-year sand nourishment permit will be for the lakefront of the property located at 60 Ravinoaks Lane, Highland Park, Illinois 60035, owned by Richard and Linda Price.



Project Start Date and Duration

Work will not begin until all the necessary permits have been received. It is anticipated that the project can begin in June 2025 and end in June 2035.

Extent of Work to be Conducted

The option to place up to 500 tons of clean quarried sand annually east of the revetment. The sand will be placed on the beach. In the event there is no beach, the sand will be placed within 75' of the revetment toe and graded to a stable angle of repose ~1v:10h.

Contact Information

All questions pertaining to this project can be submitted to:

Jon Shabica
Shabica & Associates, Inc.
550 Frontage Road, Suite 3735
Northfield, IL 60093

The proposed activity complies with Illinois' approved Coastal Management Program and will be conducted in a manner consistent with such policies.

Sincerely,

Jon Shabica
Vice President



2024 Google Earth (approximate property lines in yellow)



Shabica & Associates, Inc.

Teralyn Pompeii, PE
Chief, Regulatory Branch
U.S. Army Corps of Engineers, Chicago District
231 S. LaSalle Street, Suite 1500
Chicago, IL 60604

Dear Ms. Pompeii:

January 29, 2025

Please find enclosed a permit application for 10-year sand nourishment for the property located at 60 Ravinoaks Lane, Highland Park, Illinois 60035, owned by Richard and Linda Price. Proposed work includes placing up to 500 tons of sand on the existing beach or nearshore as sand nourishment annually for 10 years. The proposed activity complies with the approved Illinois Coastal Management Program and will be conducted in a manner consistent with such policies.

Project Purpose Statement

The property owners of 60 Ravinoaks have retained Shabica & Associates (SA) to apply for a permit to place up to 500 tons of clean sand on the beach as sand nourishment on an annual basis or as necessary. The existing shoreline is a beach consisting primarily of pebbles that have washed in from the glacial clay lakebed eroding and releasing the pebbles from the clay. At times, there is no exposed sand, just pebbles. There is an existing scarp due to the sand starved environment. This property does not have a quarrystone breakwater to help maintain sand at the shoreline, so each year the determination will be made as if sand nourishment will be completed based on site conditions and loss of sand cover over the past year based on visual observation and shoreline conditions.

Beginning in the late 19th century, the Illinois suburban North Shore saw a progressive loss of beach and nearshore sand deposits caused by harbor entrance channels, lakebed downcutting and bluff armoring. This sediment-starved high-bluff system is located south of major barriers to littoral drift including Waukegan Harbor and Naval Station Great Lakes.

Regarding impacts on aquatic habitat, Meadows, et al., (2005) report an increase in zebra mussels *Dreissena polymorpha*, and a decrease in native zooplankton in waters where the lakebed is eroding clay and rocks. In comparison, a nearshore area with 100% sand cover supported a species-rich community. Meadows, et al. state: "It was nonetheless clear that sand-based areas were characterized by sufficient shallow water fish CPUE and species richness to suggest that these are important habitats within the context of the Great Lakes Basin and not simply 'wet deserts' as they are often considered." They conclude "...the loss of sand-based nearshore systems resulting from shoreline engineering is undesirable and may have consequences for losses of biodiversity and ecosystem services at lake and/or basin scales."

Because the Illinois coastal littoral system is sediment starved, we have learned that periodic sand renourishment is necessary and must be a key component of all beach protection projects.

Project Description

The option to place up to 500 tons of clean quarried sand annually east of the revetment. The sand will be placed on the beach. In the event there is no beach, the sand will be placed within 75' of the revetment toe and graded to a stable angle of repose ~1v:10h.

Public Benefits of Sandy Beaches

The Great Lakes represent the most important natural resource in the United States. Sandy beaches play an important role in keeping the lakes clean and accessible. Furthermore, a sandy beach makes a better ecotone (transitional environment) for flora and fauna than seawalls and revetments. Summary arguments supporting a sandy beach system include:

- 1) Beaches are filters for non-point source runoff.
- 2) Beaches help reduce lakebed downcutting, a source of fine clay pollutants.
- 3) Beaches support endangered species such as sea rocket, marram grass, and seaside spurge.
- 4) Beaches make better wildlife habitat than actively eroding bluffs or seawalls.
- 5) Beaches help protect the lakebed from erosion that causes larger stormwaves to impact the shore.

Impacts to Downdrift Properties

There will be no negative impact to the downdrift property as sand nourishment will simply help to feed the local sand starved littoral system pending wave energy and storms.

Impact to Littoral Drift System

The proposed plan for this site includes placing 500 tons of clean sand along the existing shoreline. The newly placed sand will temporarily restore the beach, while at the same time continue to bleed sand into the sand-starved littoral drift system.

Impact on Public Uses

The shoreline at 60 Ravinoaks Lane, Highland Park is adjacent to private residential properties to the north and south. Public access will not be impacted as this project does not include construction of any structures. Beach access across the property will not be hindered. Fishing will not be impacted negatively by the sand nourishment. Additionally, navigation of water craft will not be impacted, as the proposed sand nourishment will only take place on the existing beach.

Impact on Natural Resources

Sandy beaches improve native species habitat. The LandOwner Resource Centre with support from the Canadian Wildlife Service and the Ontario Ministry of Natural Resources states that, "unstable shorelines can release silt that can choke nearby aquatic habitats." As stated above, according to Meadows, et al., 2005, "a nearshore area with 100% sand cover supported a species rich community." As the sand placement does not impact the bluff and vegetation, the local wildlife will continue to peruse this property.

Type of Permit

The scope of this project requires an individual permit.

Description and Schedule of Proposed Activity

All of the proposed work will be completed using a marine-based crane or backhoe to deliver clean sand, while a backhoe will work on land to place and grade the sand. Work will not begin until all necessary permits have been received. This work will require approximately 3 days to complete, pending weather, on an annual basis.

Type and Quantity of Fill/Measures Taken to Avoid Impact/Erosion and Sediment Control Plan

All material will be clean and from inland quarries. Approximately 500 tons of clean sand will be placed. The marine contractor will sound the lakebed prior to mobilizing for this project. If there are sandbars, more trips will be made with smaller barges that draft less in order to avoid or reduce the quantity of sand to be relocated for access to the project site. If sand needs to be sidecast to the south, the bucket will not break the plane of water during the sidecast activity.

Type and Quantity of Fill/Measures Taken to Avoid Impact/Erosion and Sediment Control Plan

All material will be clean and from inland quarries. Approximately 500 tons of clean sand will be placed on the existing beach on an annual basis or less often. Maximum coverage with sand below the visual OHWM is .14 acres

Summary

All of the above described activities and plans will follow IPP terms and conditions. All of the proposed work adheres to the guidelines prescribed by the Illinois Environmental Protection Agency and its Anti-Degradation Assessment. U.S. Fish & Wildlife Service will be updated on all relevant correspondence.

If you have any questions, please feel free to call me at the phone number below.

Sincerely,

Jon Shabica, Vice President

C: IDNR (Flinchum)
IEPA (Gove)
U.S. Fish & Wildlife Service
Price

References

Chrzastowski, M.J., 2005, *Chicagoland Geology and the Making of a Metropolis*, Illinois State Geological Survey Open File Series OFS 2005-9.

LandOwner Resource Centre, Canadian Wildlife Service, Ontario Ministry of Natural Resources, 1999, *Improving Fish Habitat*, Extension Notes: Ontario, LRC 45.

Meadows, Guy; Mackay, S.; Goforth, R.; Mickelson, D.; Edil, T.; Fuller, J.; Guy, D.; Meadows, L.; Brown, E.; Carman, S.; Liebenthal, D.; 2005, *Cumulative Habitat Impacts of Nearshore Engineering*, Journal of Great Lakes Research; vol.31, Supplement 1, 2005, pp.90-112.

60 Ravinoaks Lane, Highland Park – January 29, 2025



2024 Google Earth (approximate property lines in yellow)



2025 SA Photo shows current pebble beach

60 Ravinoaks Lane, Highland Park – January 29, 2025



2025 SA Photo yellow arrow indicating current beach scarp

JOINT APPLICATION FORM FOR ILLINOIS

ITEMS 1 AND 2 FOR AGENCY USE

1. Application Number	2. Date Received
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3. and 4. (SEE SPECIAL INSTRUCTIONS) NAME, MAILING ADDRESS AND TELEPHONE NUMBERS

3a. Applicant's Name: Linda and Richard Price Company Name (if any): 60 Ravinoaks LLC Address: 60 Ravinoaks Lane Highland Park, IL 60035 Email Address:	3b. Co-Applicant/Property Owner Name (if needed or if different from applicant): Company Name (if any): Address: Email Address:	4. Authorized Agent (an agent is not required): Jon Shabica Company Name (if any): Shabica & Associates, Inc. Address: 550 Frontage Road Suite 3735 Northfield, IL 60093 Email Address:
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Applicant's Phone Nos. w/area code Business: Residence: Cell: Fax:	Applicant's Phone Nos. w/area code Business: Residence: Cell: Fax:	Agent's Phone Nos. w/area code Business: Residence: Cell: Fax:
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STATEMENT OF AUTHORIZATION

I hereby authorize, Shabica & Associates, Inc. to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

Applicant's Signature _____ Date 1/29/25

5. ADJOINING PROPERTY OWNERS (Upstream and Downstream of the water body and within Visual Reach of Project)

Name	Mailing Address	Phone No. w/area code
a. See attached		
b.		
c.		
d.		

6. PROJECT TITLE:
Sand Nourishment

7. PROJECT LOCATION:
 Lakefront at 60 Ravinoaks Lane in Highland Park, Illinois

LATITUDE: 42.17682 °N LONGITUDE: -87.77771 °W	UTM's Northing: 4669702.07m Easting: 16T 435763.44m										
STREET, ROAD, OR OTHER DESCRIPTIVE LOCATION Lakefront at 60 Ravinoaks Lane in Highland Park	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">LEGAL DESCRIPT</th> <th style="width: 15%;">QUARTER</th> <th style="width: 15%;">SECTION</th> <th style="width: 15%;">TOWNSHIP NO.</th> <th style="width: 15%;">RANGE</th> </tr> <tr> <td></td> <td style="text-align: center;">NE</td> <td style="text-align: center;">25</td> <td style="text-align: center;">43N</td> <td style="text-align: center;">13E</td> </tr> </table>	LEGAL DESCRIPT	QUARTER	SECTION	TOWNSHIP NO.	RANGE		NE	25	43N	13E
LEGAL DESCRIPT	QUARTER	SECTION	TOWNSHIP NO.	RANGE							
	NE	25	43N	13E							
<input checked="" type="checkbox"/> IN OR <input type="checkbox"/> NEAR CITY OF TOWN (check appropriate box) Municipality Name Highland Park	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 75%; padding: 5px;"> WATERWAY Lake Michigan </td> <td style="width: 25%; padding: 5px;"> RIVER MILE (if applicable) </td> </tr> </table>	WATERWAY Lake Michigan	RIVER MILE (if applicable)								
WATERWAY Lake Michigan	RIVER MILE (if applicable)										
COUNTY Lake	STATE IL	ZIP CODE 60035									

8. PROJECT DESCRIPTION (Include all features):
 The option to place up to 500 tons of clean quarried sand yearly within 75' of the revetment and spread to an angle of repose of 1:10. This request is for a 10-year sand nourishment permit.

9. PURPOSE AND NEED OF PROJECT:
 Beach nourishment

COMPLETE THE FOLLOWING FOUR BLOCKS IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

10. REASON(S) FOR DISCHARGE:
 To provide a higher level of shore protection on a temporary basis.

11. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS FOR WATERWAYS:
 TYPE: Sand
 AMOUNT IN CUBIC YARDS:
 330 cu. yds.

12. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (See Instructions)
 .14 acres

13. DESCRIPTION OF AVOIDANCE, MINIMIZATION AND COMPENSATION (See instructions)
 Sand nourishment provides increased habitat for benthic communities and possible habitat on land for flora and fauna.

14. Date activity is proposed to commence: June 2025
 Date activity is expected to be completed: June 2035

15. Is any portion of the activity for which authorization is sought now complete? Yes No NOTE: If answer is "YES" give reasons in the Project Description and Remarks section. Indicate the existing work on drawings.
 Month and Year the activity was completed

16. List all approvals or certification and denials received from other Federal, interstate, state, or local agencies for structures, construction, discharges or other activities described in this application.

Issuing Agency	Type of Approval	Identification No.	Date of Application	Date of Approval	Date of Denial

17. CONSENT TO ENTER PROPERTY LISTED IN PART 7 ABOVE IS HEREBY GRANTED. Yes No

18. APPLICATION VERIFICATION (SEE SPECIAL INSTRUCTIONS)
 Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.

 Signature of Applicant or Authorized Agent

 Signature of Applicant or Authorized Agent

 Signature of Applicant or Authorized Agent

1-28-2025

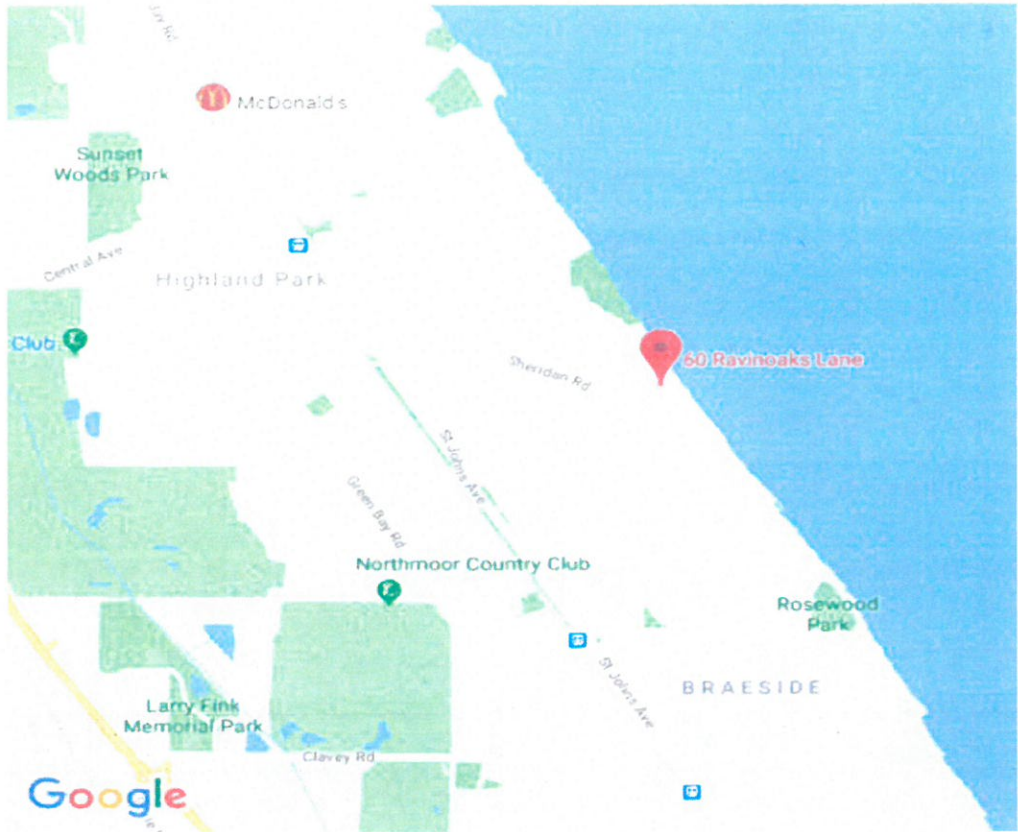
 Date

 Date

 Date

Corps of Engineers Revised 2010 IL Dep't of Natural Resources IL Environmental Protection Agency Applicant's Copy

Vicinity Map



Sand Nourishment

60 Ravinoaks Lane
Highland Park, IL 60035

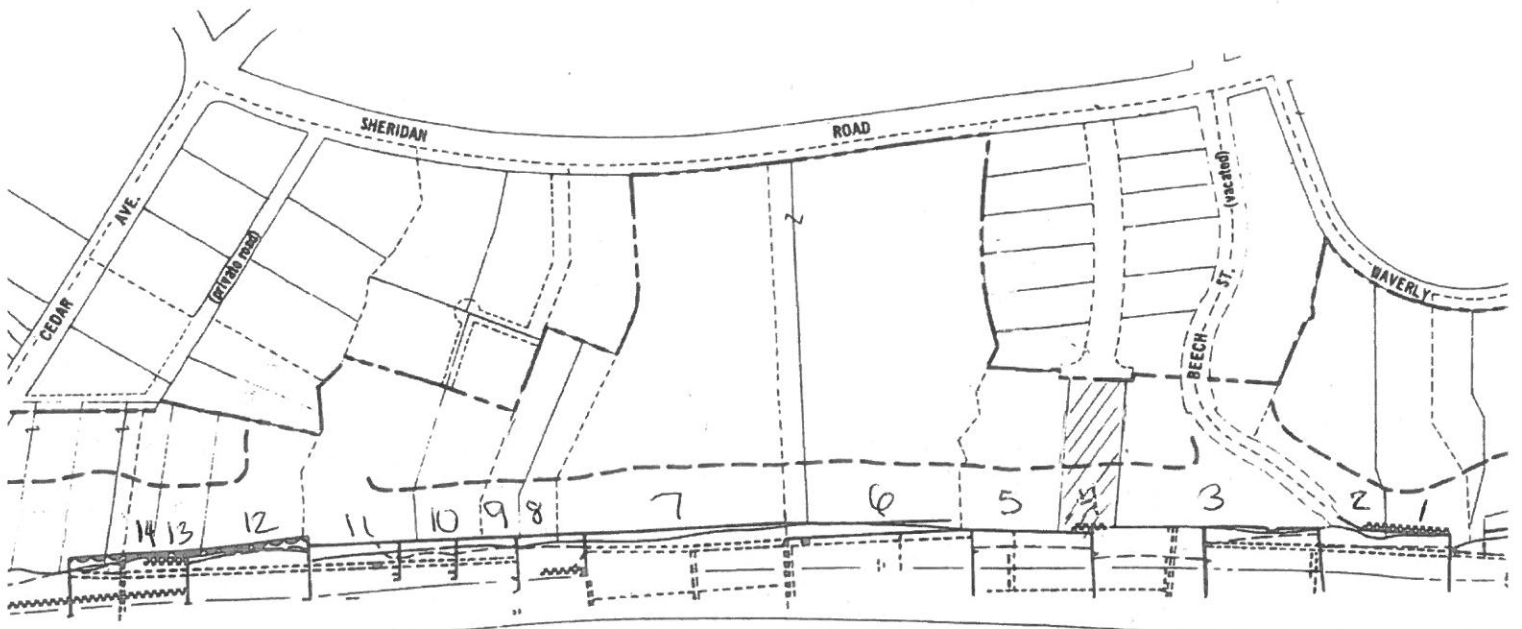


Shabica & Associates, Inc.

Location of Project: 60 Ravinoaks Drive, Highland Park, IL 60035

List of property owners (from North to South):

HIGHLAND PARK



10

15

15

20

E MICHIGAN

LOCATION MAP



Shabica & Associates, Inc.

Title: Sand Nourishment
60 Ravinoaks Lane
Highland Park, Illinois 60035

Submittal Date: January 29, 2025
Topographic Survey

Plan Sheet: 2025.1.28 60 Ravinoaks Lane, Highland Park_Sand Nourishment Plan View – Sheet 1 of 1

60 Ravinoaks Lane, Highland Park, Illinois

BLECK
engineers | surveyors

Bleck Engineering Company, Inc.
1375 North Western Avenue
Oak Forest, Illinois 60450
1 847 793 2100 • bleckeng.com

Private Residence
Highland Park, IL



BEFORE ANY CONSTRUCTION BEGINS, THE OWNER MUST CONTACT THE LOCAL UTILITY COMPANIES TO OBTAIN RECORD DRAWINGS AND LOCATION OF ALL EXISTING UTILITIES. THE EXISTENCE OF UTILITIES NOT SHOWN ON THESE DRAWINGS IS THE RESPONSIBILITY OF THE OWNER.

ISSUED DATE	REVISED FOR
12.11.2021	REVISION
09.12.2022	AS-BUILT DOCUMENT
12.16.2024	UPDATED REVISION



Patrick J. Bleck, PE Dec 16, 2024
Rotholz LLC
5250 Old Orchard Road, Ste 300
Skokie, Illinois 60077

Project No.	90-338	Project No.	
Drawn By	MS	Checked By	
Design No.	MS	Checked By	

Drawing Name
As-Built Topography



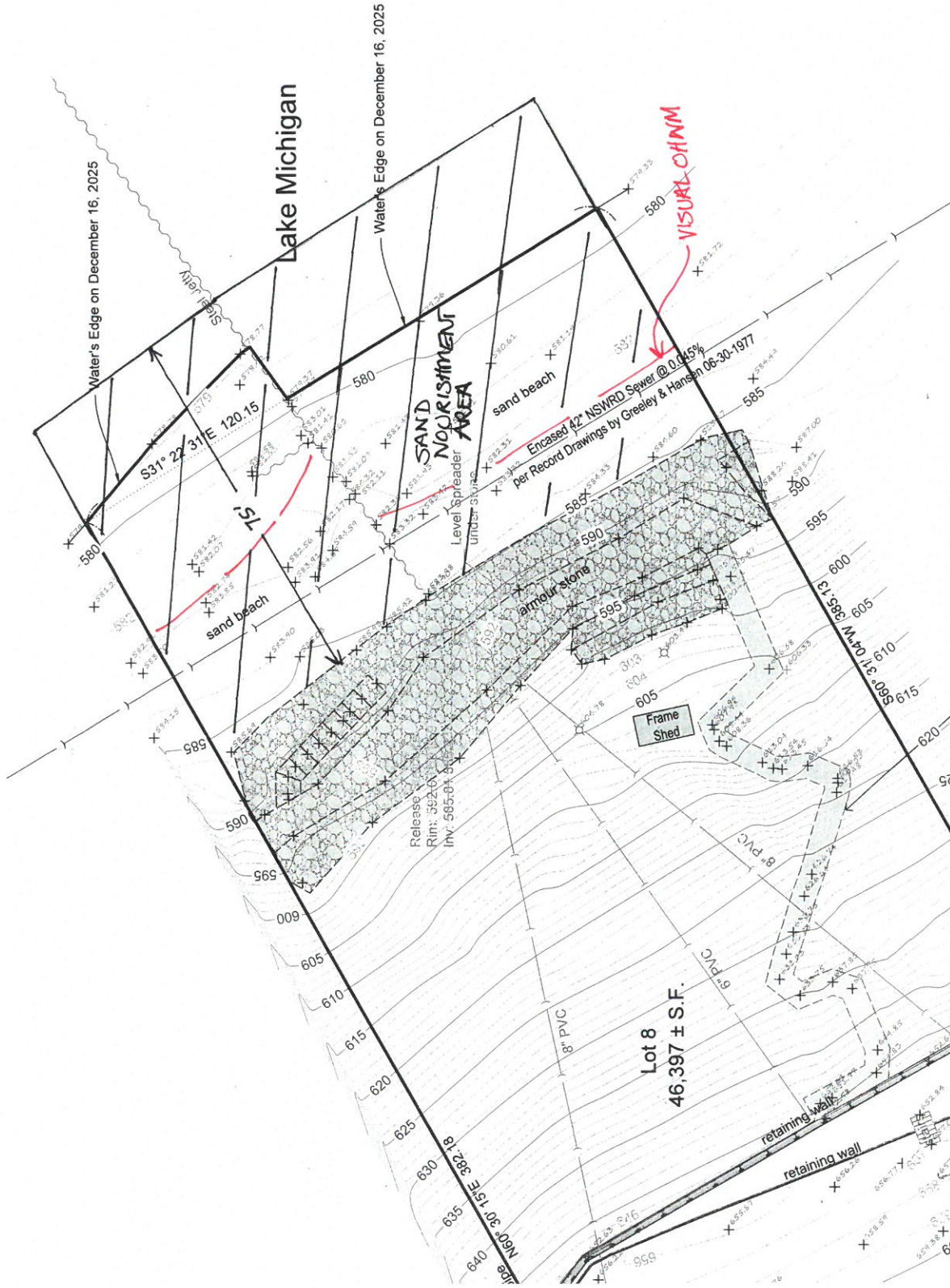
UNDERGROUND UTILITIES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA. THE EXISTENCE OF UTILITIES NOT SHOWN ON THESE DRAWINGS IS THE RESPONSIBILITY OF THE OWNER. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT THE RESPONSIBILITY OF THE ENGINEER.

LEGEND

- Existing Street
- Proposed Street
- Proposed Utility Line
- Proposed Gas Line
- Proposed Sewer Line
- Proposed Water Line
- Proposed Electric Line
- Proposed Fiber Optic Line
- Proposed Cable Line
- Proposed Storm Water Line
- Proposed Sanitary Sewer Line
- Proposed Gas Valve
- Proposed Sewer Valve
- Proposed Water Valve
- Proposed Electric Valve
- Proposed Fiber Optic Valve
- Proposed Cable Valve
- Proposed Storm Water Valve
- Proposed Sanitary Sewer Valve
- Proposed Gas Meter
- Proposed Sewer Meter
- Proposed Water Meter
- Proposed Electric Meter
- Proposed Fiber Optic Meter
- Proposed Cable Meter
- Proposed Storm Water Meter
- Proposed Sanitary Sewer Meter
- Proposed Gas Manhole
- Proposed Sewer Manhole
- Proposed Water Manhole
- Proposed Electric Manhole
- Proposed Fiber Optic Manhole
- Proposed Cable Manhole
- Proposed Storm Water Manhole
- Proposed Sanitary Sewer Manhole
- Proposed Gas Box
- Proposed Sewer Box
- Proposed Water Box
- Proposed Electric Box
- Proposed Fiber Optic Box
- Proposed Cable Box
- Proposed Storm Water Box
- Proposed Sanitary Sewer Box

NOT A CONTRACT. ALL INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY. ALL INFORMATION IS BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA. THE EXISTENCE OF UTILITIES NOT SHOWN ON THESE DRAWINGS IS THE RESPONSIBILITY OF THE OWNER.

Highland Park, Illinois



0 FEET 20 SCALE

SAND NOURISHMENT
PLAN VIEW

GO RAVINOKS LN. HP
Shabica & Associates, Inc.
550 Frontage Rd. Suite 3735
Northfield, Illinois 60093
JAN. 28, 2025