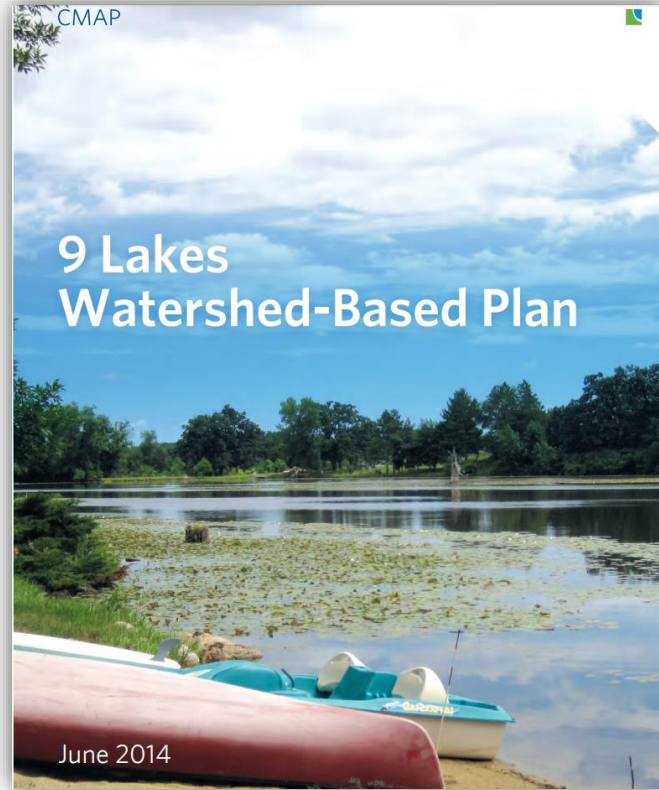


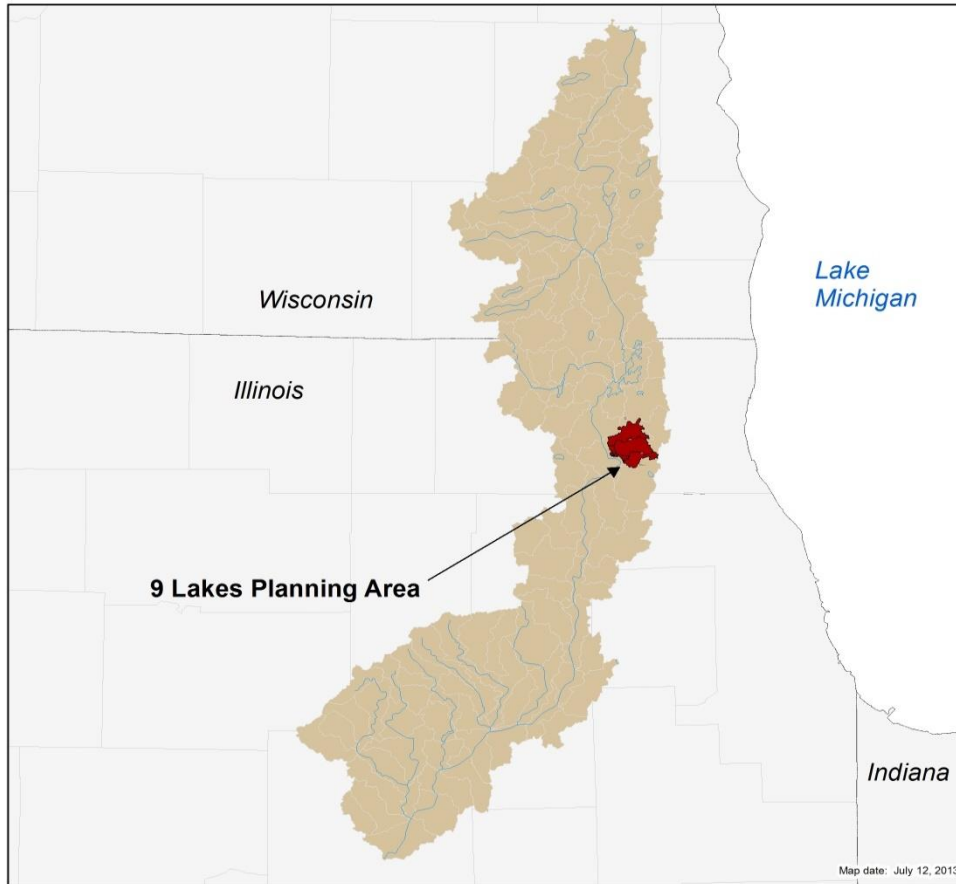
Nine Lakes Watershed Partnership



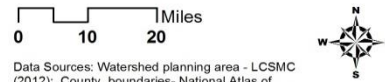
Projects Completed in Our Watershed



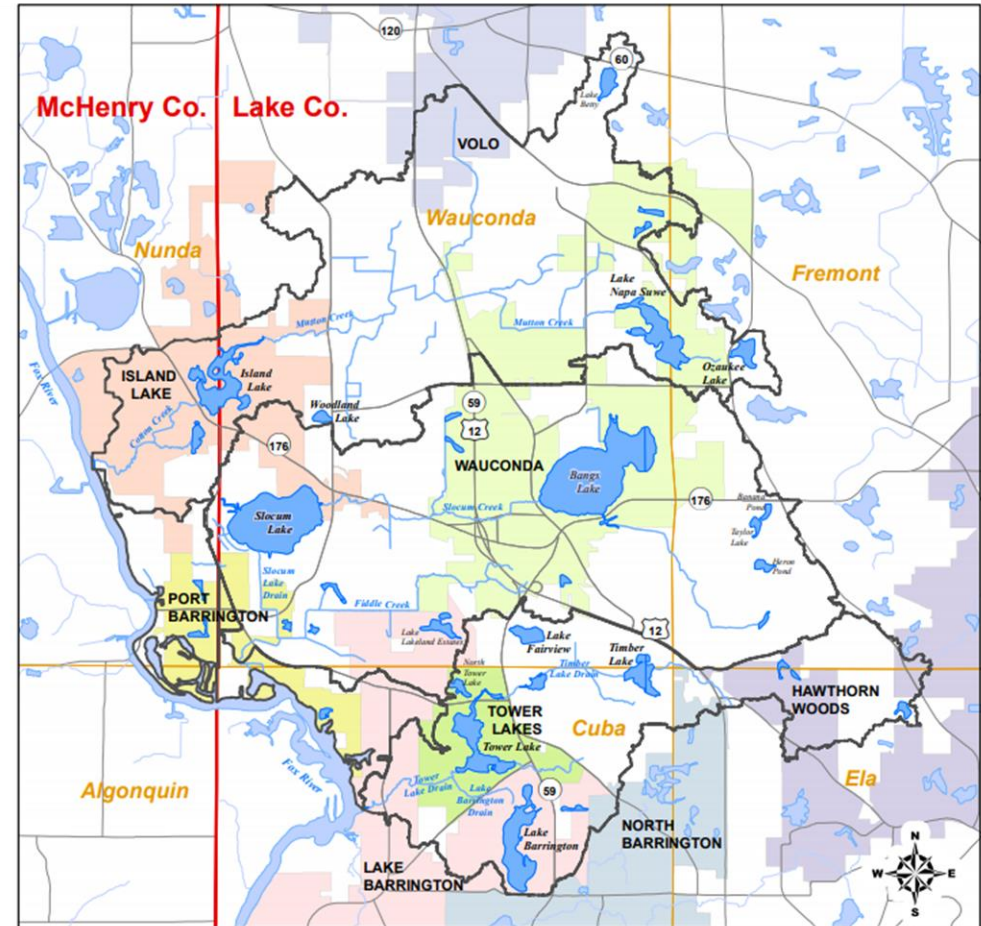
Nine Lakes Watershed



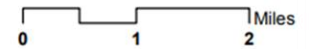
- Legend**
- 9 Lakes Planning Area
 - Fox River Basin Watersheds
 - Streams/Fox River
 - State Boundaries
 - County Boundaries



Data Sources: Watershed planning area - LCSMC (2012); County boundaries - National Atlas of United States (2001); Stream network - National Atlas of United States (2001) Watersheds - HUC-12 Watersheds for Illinois, NRCS (2005)



- Legend**
- 9 Lakes Planning Area
 - County
 - Township
 - Waterbodies
 - Streams
 - Major roads
 - HAWTHORN WOODS
 - ISLAND LAKE
 - LAKE BARRINGTON
 - NORTH BARRINGTON
 - PORT BARRINGTON
 - TOWER LAKES
 - VOLO
 - WAUCONDA



4 Lakes



Griswold Lake
Slocum Lake
Island Lake
Bangs Lake
(2010)



Holly Hudson
2012-2014

TOWER LAKE DRAIN PARTNERSHIP



Tower Lakes
Timber Lake
Lake Barrington
Lake Fairview
(2012)

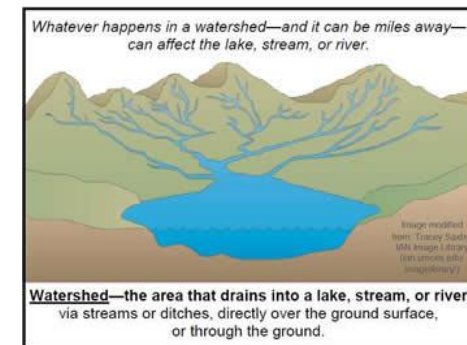
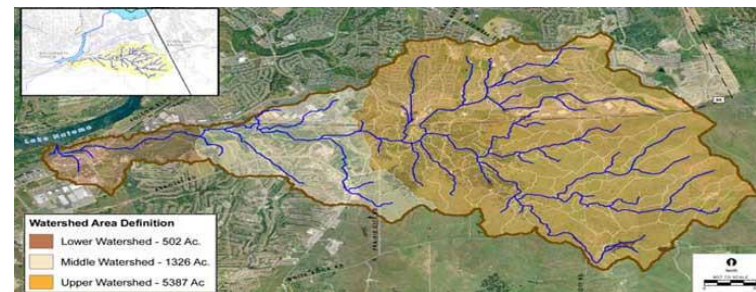
What is Watershed Planning?

Watershed planning and management comprise an approach to protecting water quality and quantity that focuses on the whole watershed. This approach is necessary due to the nature of polluted runoff, which in most watersheds is the biggest contributor to water pollution. Polluted runoff is caused by a variety of land use activities including development, transportation and agriculture, and may originate anywhere in the watershed.

Watershed planning and management involves a number of activities including:

- targeting priority problems in the watershed;
- promoting a high level of involvement by interested and affected parties;
- developing solutions to problems through the use of the expertise and authority of multiple agencies and organizations;
- measuring success through monitoring and other data gathering.

~University of Nebraska - Lincoln



Science in Your Watershed

Locate Your Watershed

Watersheds in:



Click on the Map Above to View a Particular Region
• [Try the new Watershed Finder Menu Interface](#)

"Science in Your Watershed"

- Home
- [Locate Your Watershed \(Legacy HUC's\)](#)
- [Locate Your Stream Site \(Legacy HUC's\)](#)
- [Locate Your Well Site \(Legacy HUC's\)](#)
- [Locate Your Stream Site by WBD](#)
- [Links By Watershed](#)

Information Discovery

- [Active Projects](#)
- [Databases](#)
- [Publications](#)
- [Reports](#)

Data Integration

- [Watersheds](#)
- [Education](#)

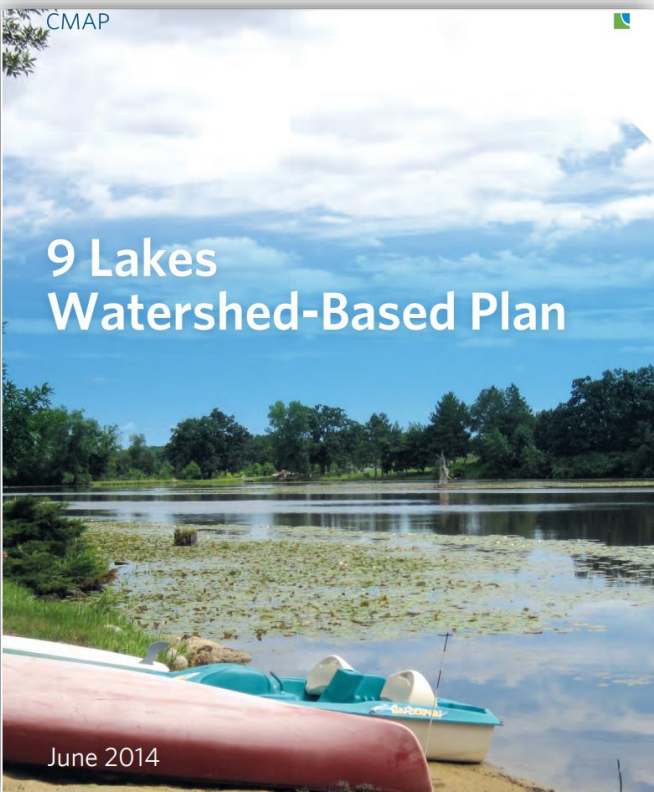
Case Studies:

- [Analysis](#)
- [Assessment](#)
- [Characterization](#)
- [Management](#)
- [Stream Restoration](#)

Customer Service

- [Glossaries](#)
- [Conferences/Events](#)

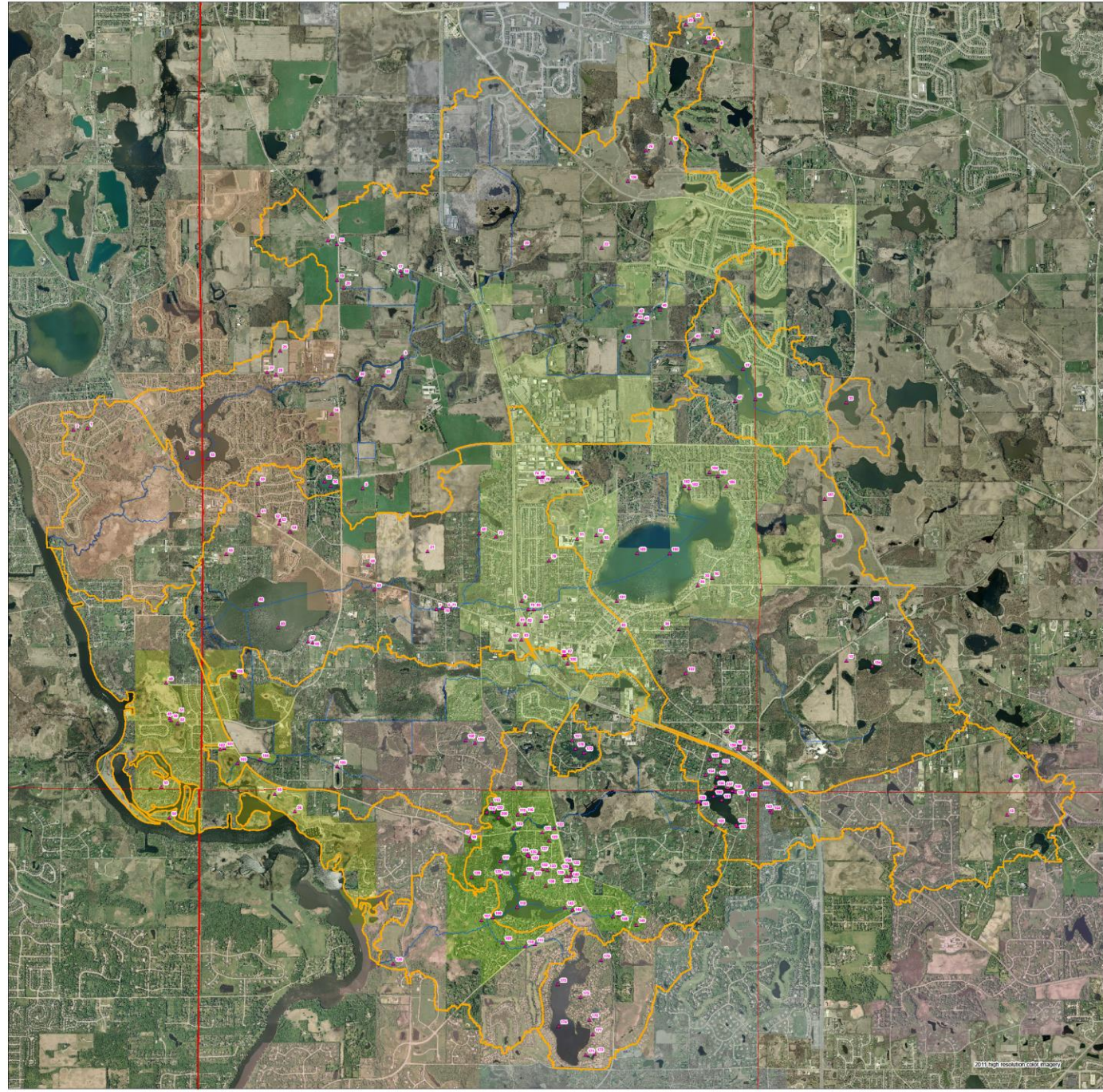
USGS
KNOW
Watershed Information Network
SURF
SCIENCE



9 Lakes Watershed-Based Plan

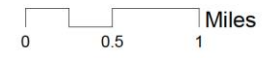
June 2014

Nearly
200
fundable
projects!



9 Lakes Planning Area BMP Project Locations (April 1, 2014)

- Legend**
- County
 - Township
 - Final_cmap_subsheds
 - Muni_Lake_201403**
 - Village of Hawthorn Woods
 - Village of Island Lake
 - Village of Lake Barrington
 - Village of North Barrington
 - Village of Port Barrington
 - Village of Tower Lakes
 - Village of Volo
 - Village of Wauconda
 - streamsegments_ED
 - BMPs_1April2014draftPlan



9 Lakes Watershed Partnership

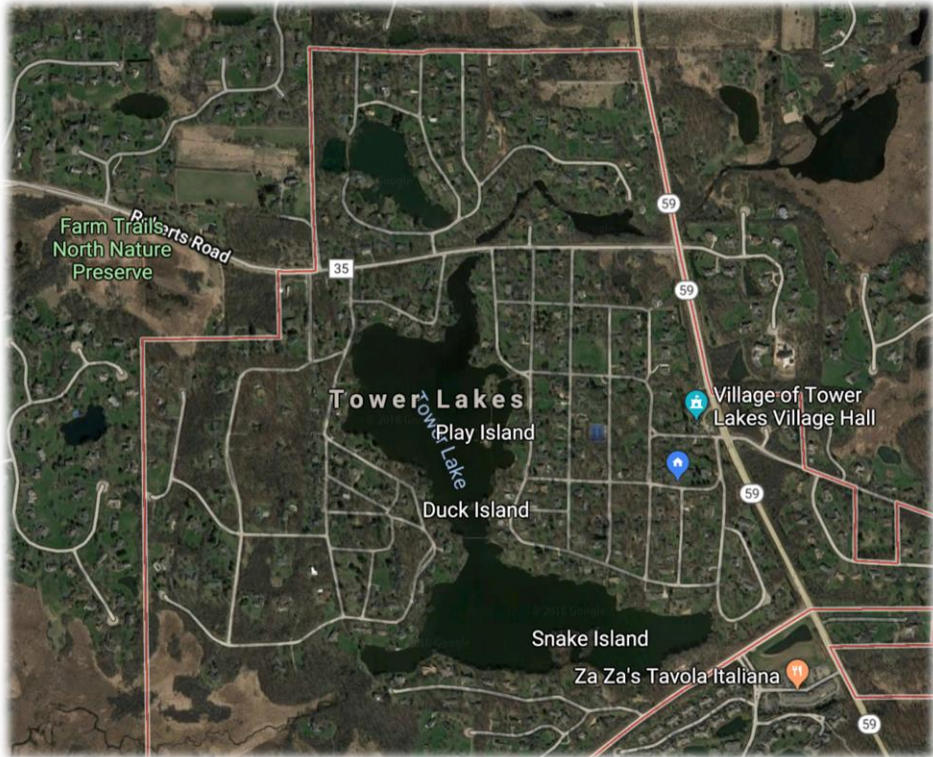


Bays Park and Wagner Park - Tower Lakes



Rich Bahr and Tom Kubala

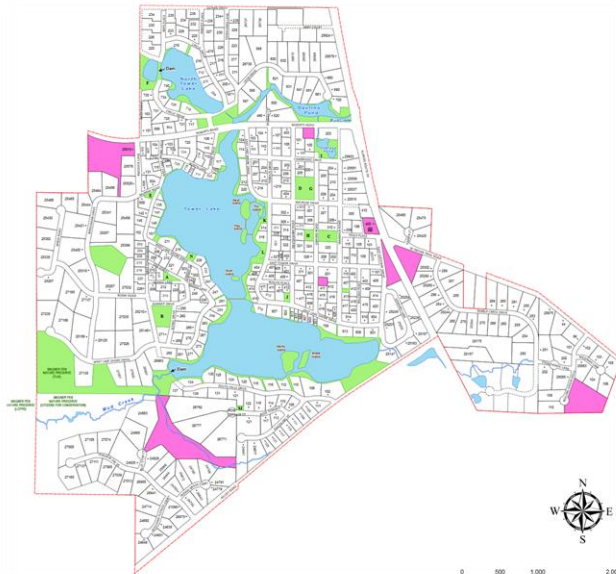
Tower Lakes



- **NW IL Suburbs**
 - Lake County
- **Wooded, small lots, parks, and some relief.**
- **~450 homes**
- **~1400 residents**
- **Developed from 1920's**
- **Incorporated in 1966**
- **Main lake plus 3 smaller lakes total ~85 acres**
 - Main lake ~70 acres
 - Average depth ~5 feet
 - Max ~8ft



Tower Lakes Raingardens and Wetland Restoration Project



Tower Lakes Improvement Association



Village of Tower Lakes

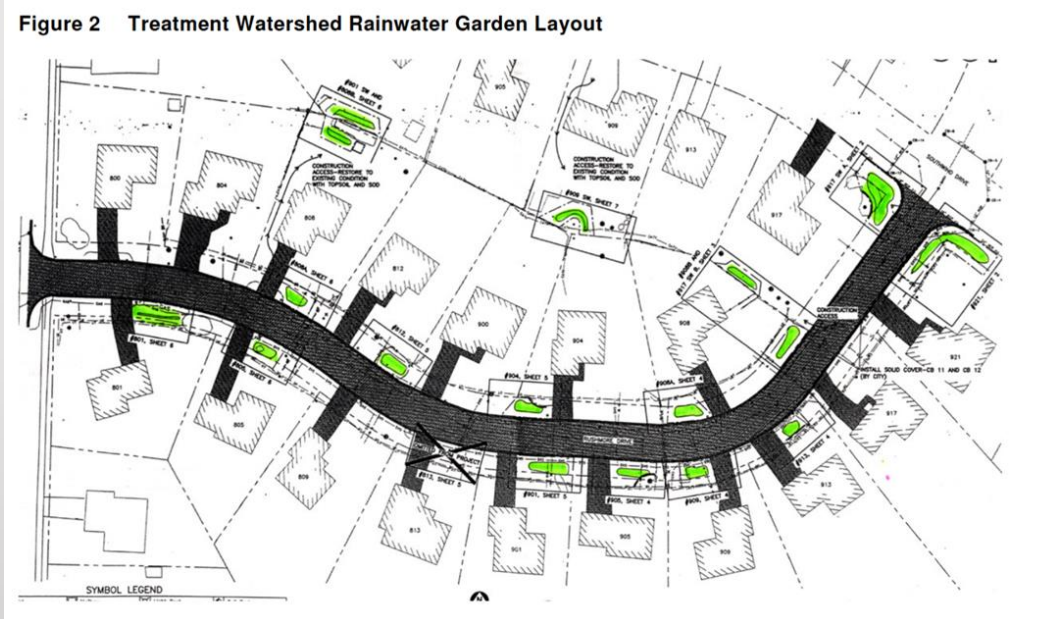


Major Goals

- To reduce “Non Point Source Pollution” runoff into Tower Lakes
- To create raingardens and bioswales that detain stormwater, reduce the load on the stormwater drains, allow infiltration into the natural soil and rock hydrology
- To populate them with native plants whose deep root systems will process and remove toxins and organic material from the stormwater and improve the quality of the water which eventually runs into the lake



The Inspiration – Burnsville MN



Burnsville Stormwater Retrofit Study June 2006

The Opportunity – 319 Grant

319 Grant Program for States and Territories

319 Overview

Current Guidance

Historic Guidance

Reports

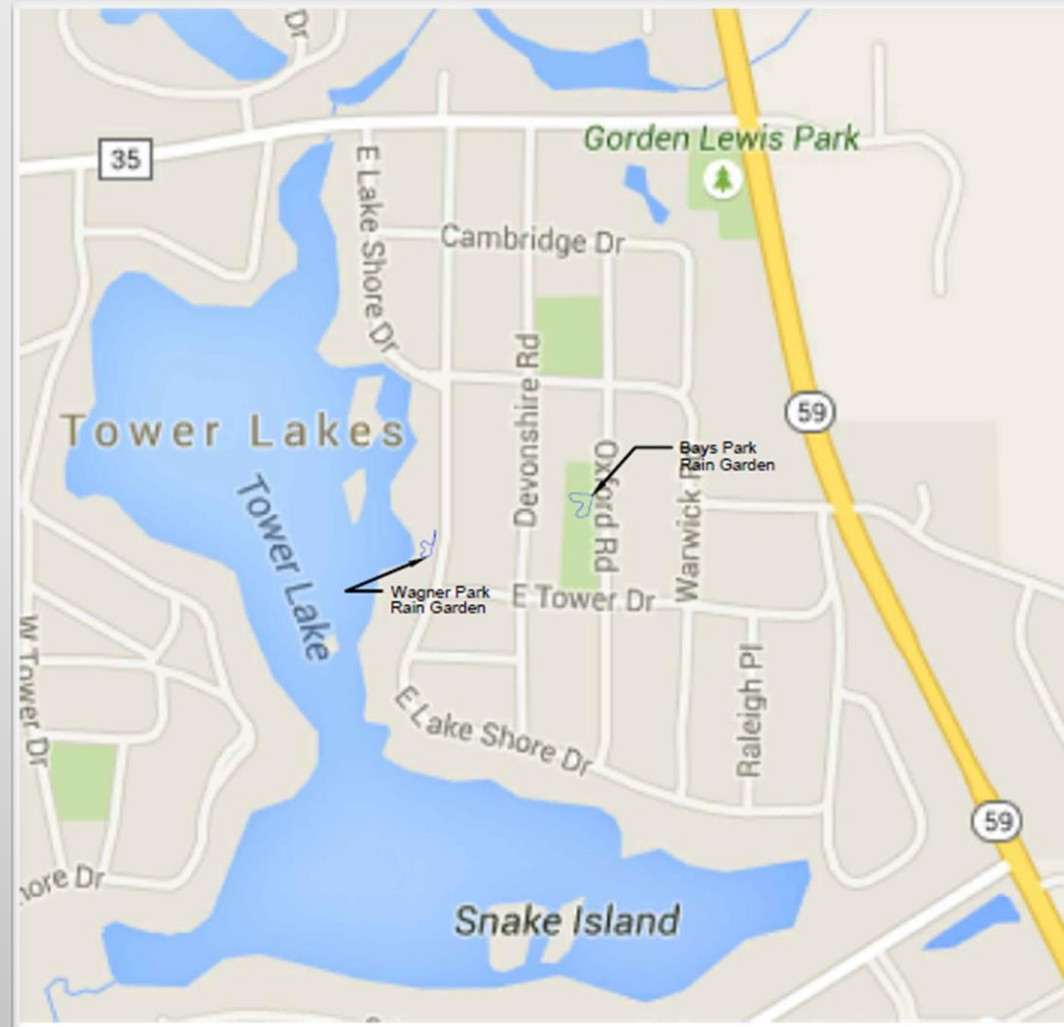
The 1987 amendments to the Clean Water Act (CWA) established the [Section 319 Nonpoint Source Management Program](#). Section 319 addresses the need for greater federal leadership to help focus state and local nonpoint source efforts. Under Section 319, states, territories and tribes receive grant money that supports a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects and monitoring to assess the success of specific nonpoint source implementation projects.

Started in 1990, annually awarded grants to reduce Nonpoint Source Pollution, Federally funded from fines levied on companies polluting the waterways, administered by the State EPA, in 2016 targeting applications in N Illinois.

The Project(s)

- **Form a team to complete a four year project.**
- **Joint collaboration between homeowners association and village.**
- **Obtain funding grants from IL EPA and Lake County.**
- **Select a strategic partner for Environmental Engineering support.**
- **Design and build two Raingardens to capture, detain and allow infiltration of stormwater.**
- **Restore a natural wetland, currently turfed.**
- **Establish a program of community education to support the projects and encourage others to build raingardens on their properties.**

The Project(s)



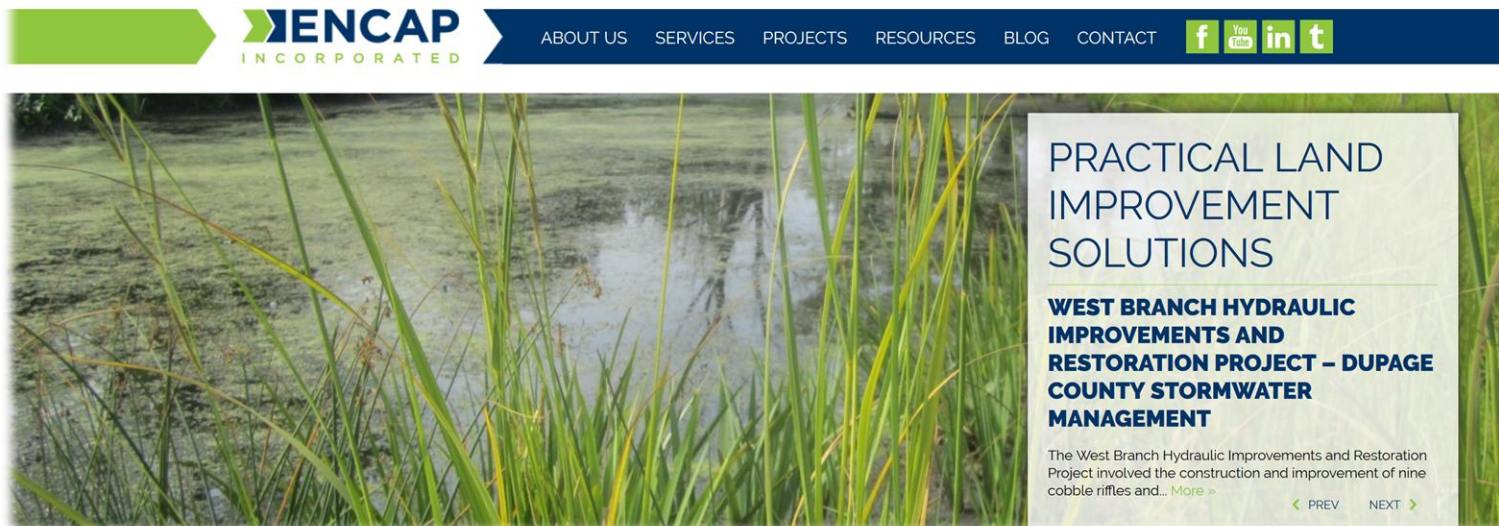
SECTION 2 TOWNSHIP 43 NORTH RANGE 9 EAST

Wagner Park
25364 E Lake Shore Dr
Tower Lakes, IL 60010

Bays Park
25412 Warwick Road
Tower Lakes, IL 60010

ENCAP INC – Environmental Engineering

- RFP published in local papers
- 5 Bids received, two excluded based on price
- Small committee reviewed, shortlisted three
- Had them present their bids and answer questions
- Selected ENCAP as strategic partner
- www.encapinc.net



The screenshot displays the ENCAP INC website. The top navigation bar is dark blue with the ENCAP INC logo on the left and menu items: ABOUT US, SERVICES, PROJECTS, RESOURCES, BLOG, CONTACT. Social media icons for Facebook, YouTube, LinkedIn, and Twitter are on the right. Below the navigation bar is a large image of a wetland with tall grasses and water. Overlaid on the right side of the image is a white text box with the following content:

PRACTICAL LAND IMPROVEMENT SOLUTIONS

WEST BRANCH HYDRAULIC IMPROVEMENTS AND RESTORATION PROJECT – DUPAGE COUNTY STORMWATER MANAGEMENT

The West Branch Hydraulic Improvements and Restoration Project involved the construction and improvement of nine cobble riffles and... [More >](#)

< PREV NEXT >

The Budget

- **Total Project Value ~\$260k over three years**
- **IL EPA Funded 319h Grant of ~\$160k**
- **Lake County SMC Grants of \$10k and \$12k**
- **Remainder funded by volunteer value matching and split between VoTL and TLIA (The community)**



NONPOINT SOURCE WATER POLLUTION CONTROL PROGRAM

TowerLakes Bioswale/Raingarden

Best management practices have been installed to improve the water quality of the Upper Fox River watershed.

Funded, in part, under Section 319 of the Federal Clean Water Act.
Grant No.: C99520016

For more information, contact the Illinois EPA at 217/782-3362
FAA Number: 3191615

This Raingarden/Bioswale is a project of the Tower Lakes Improvement Association
partnership with the Village of Tower Lakes
This project will protect water quality and manage stormwater as recommended in the 9-Lakes Watershed Plan

Funding for this project is provided in part by grants from Lake County Stormwater Management Commission through a Watershed Management Board Grant and

Illinois Environment Protection Agency Section 319 grant funds.

Phase One – Bays Park



- ~1 Acre Park on East Side
- Partial Wetlands with established trees
- In run off basin from IL-59 and local homes
- Designed to retain 16 inches/hr equiv to a 25 yr high rainfall



Phase One – Bays Park

SILT FENCE PLAN

ELEVATION

FABRIC ANCHOR DETAIL

NOTES:

- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
- Fabric fabric shall meet the requirements of material specification 050 Concrete Trench 1 x 2. Clean with equivalent bearing size of at least 30 for nonover and 40 for woven.
- Fence posts shall be either stainless steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE:

Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2

STANDARD DETAIL: 050-02

EROSION CONTROL BLANKET - TURF REINFORCEMENT MAT (TRM)

DETAIL 1

DETAIL 2

DETAIL 3

STAPLE DETAIL

PIN DETAIL

REFERENCE:

Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2

STANDARD DETAIL: 050-03

CMP RISER PIPE DETAIL

REFERENCE:

Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2
Standard Detail	050 Concrete Trench 1 x 2

STANDARD DETAIL: 050-04

Tree Planting Detail

- DO NOT CUT LEADER
- PRUNE DEAD AND BROKEN BRANCHES
- WRAP TRUNK WITH APPROVED TREE WRAP TO FIRST BRANCH
- SET ROOTBALL APPROXIMATELY 3' HIGHER THAN FINISH GRADE
- 2" DEEP MULCH
- PREPARE A 2" MIN. SAUCER AROUND PIT, DISCARD EXCESS EXCAVATED MATERIAL
- SCRATCH EDGES AND BOTTOM OF PIT WITH SHOVEL SO SURFACE IS PERMEABLE
- SUBGRADE
- BACKFILL PIT WITH PLANTING PIT TOPSOIL
- CUT ANY SYNTHETIC CORDS AROUND ROOTBALL AND TRUNK
- SET ROOTBALL ON UNDISTURBED SUBGRADE

Bays Park Rain Garden Cross Section

NOT TO SCALE

Shrub Planting Detail

- LIMIT PRUNING TO DEAD AND BROKEN BRANCHES
- SET ROOTBALL AT SAME LEVEL AS FINISHED GRADE
- 2" DEEP MULCH
- PREPARE A 2" MINIMUM SAUCER AROUND PIT. DISCARD EXCESS EXCAVATED MATERIAL. BACKFILL PIT WITH PLANTING PIT TOPSOIL
- SCRATCH EDGES AND BOTTOM OF PIT WITH SHOVEL SO SURFACE IS PERMEABLE
- UNDISTURBED SUBGRADE
- CUT ANY SYNTHETIC CORDS AROUND ROOTBALL AND TRUNK
- SET ROOTBALL ON SUBGRADE

Planting Detail

- PLANT FLUSH WITH GROUND
- PLACE MULCH AROUND PLANTS 2" DEEP
- MULCH SHOULD NOT BE ON CROWN OF PLUG

Wagner Park Rain Garden Cross Section

NOT TO SCALE

Goose Enclosure Detail

4' Oak posts will be driven 12"-18" deep and placed on 10' centers.

Twine will be tied at three levels; the top level being criss-crossed, the second at approximately 8" and the last level will be approximately at 4" or at ground level.

Wagner Park BioSwale Cross Section

NOT TO SCALE

Riffles to be placed according to plan (2 total). 8"-12" River Run Cobble.

berm to be 1" lower than road elevation.

Phase One – Bays Park



Bays Park July 4th 2017



Bays Park July 4th 2017



Common Name	Species
Obedient Plant	Physostegia virginiana
Prairie Dropseed	Sporobolus heterolepis
New England Aster	Symphotrichum novae-angliae
Nodding Wild Onion	Allium cernuum
Swamp Milkweed	Asclepias incarnata
Blue Flag Iris	Iris versicolor
Wild Bergamot	Monarda fistulosa
Foxglove Beardtongue	Penstemon digitalis
Cardinal Flower	Lobelia cardinalis
Wild Geranium	Geranium maculatum
Purple Prairie Clover	Dalea purpurea
White Wild Indigo	Baptisia leucanta
Rough Blazing Star	Liatris aspera
Boneset	Eupatorium perfoliatum

Over 3000 plugs, from 14 native species, selected by members of the TL Beautification Committee, in combination with BACT.

Mother Nature's – Soak Tests !!



Bays Park Raingarden in Bloom



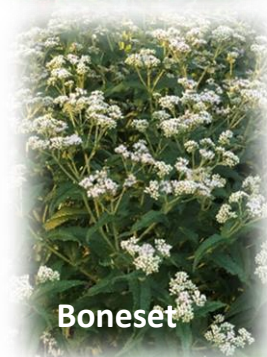
Rough Blazing Star



Purple Coneflower



Cardinal Flower



Boneset



Wild Bergamot



Nodding Wild Onion



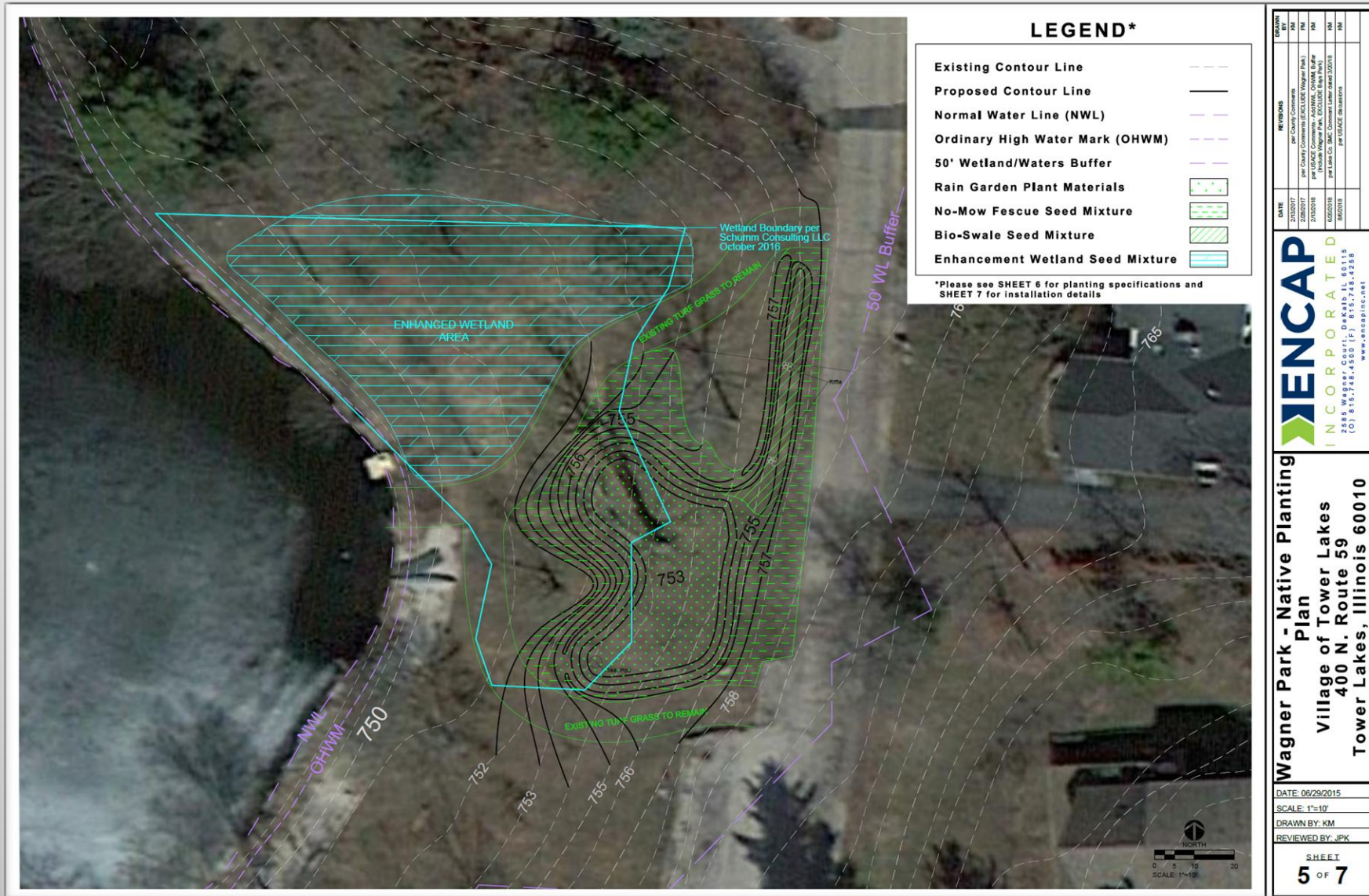
Swamp Milweed



Obedient Plant



Phase's Two and Three



LEGEND*

- Existing Contour Line ---
- Proposed Contour Line —
- Normal Water Line (NWL) ---
- Ordinary High Water Mark (OHWM) ---
- 50' Wetland/Waters Buffer ---
- Rain Garden Plant Materials [Pattern]
- No-Mow Fescue Seed Mixture [Pattern]
- Bio-Swale Seed Mixture [Pattern]
- Enhancement Wetland Seed Mixture [Pattern]

*Please see SHEET 6 for planting specifications and SHEET 7 for installation details

DATE	REVISIONS	CREATED BY
2/20/2017	per County Comments	JM
2/20/2017	per Lake Co. Comments	JM
2/20/2018	per SEACE Comments - ADD NWL, OHWM Buffer	JM
8/22/2018	through Wagner Park EVIDENCE Base PHOTO	JM
8/22/2018	per Lake Co. SEACE Comments (elevation 750.0)	JM
8/22/2018	per SEACE EVIDENCE	JM

ENCAP
INCORPORATED
208 S. Wagner, Suite 101, Deerfield, IL 60015
(630) 951-7844, Fax: (630) 951-7845
www.encapinc.net

Wagner Park - Native Planting Plan
Village of Tower Lakes
400 N. Route 59
Tower Lakes, Illinois 60010

DATE: 06/29/2015
SCALE: 1"=10'
DRAWN BY: KM
REVIEWED BY: JPK

SHEET
5 OF 7

Phase's Two and Three

- **Second Lake County SMC Grant Award Received**
- **Army Corp Permit pending**
- **LC Wetland Development Plan received Aug 18**
- **Plan to break ground in the winter 2018**
- **Construction completed Spring 2019**
- **Planting Spring 2019**
- **Grand Opening July 4th 2019 (hopefully)**

Ongoing Education

- Continue with regular community updates
- Encourage homeowners to self certify with BACT Conservation@Home program
- Help other homeowners design and install raingardens on their property
 - >10 to date
- Promote awareness in neighboring communities through TLDP, 9 Lakes, ILMA etc



The Key Success Factor(s)

- **Critical to have good consultants and partners**
- **Need great community engagement**
- **Great relationships with IL EPA, Lake County Storm Water Management, ACE, IL DNR, other local drain partners and conservation trusts**
- **Over communicate with residents**
 - **Newsletters, townhalls, 1:1s.**
- **Keep the faith, long projects = great results**

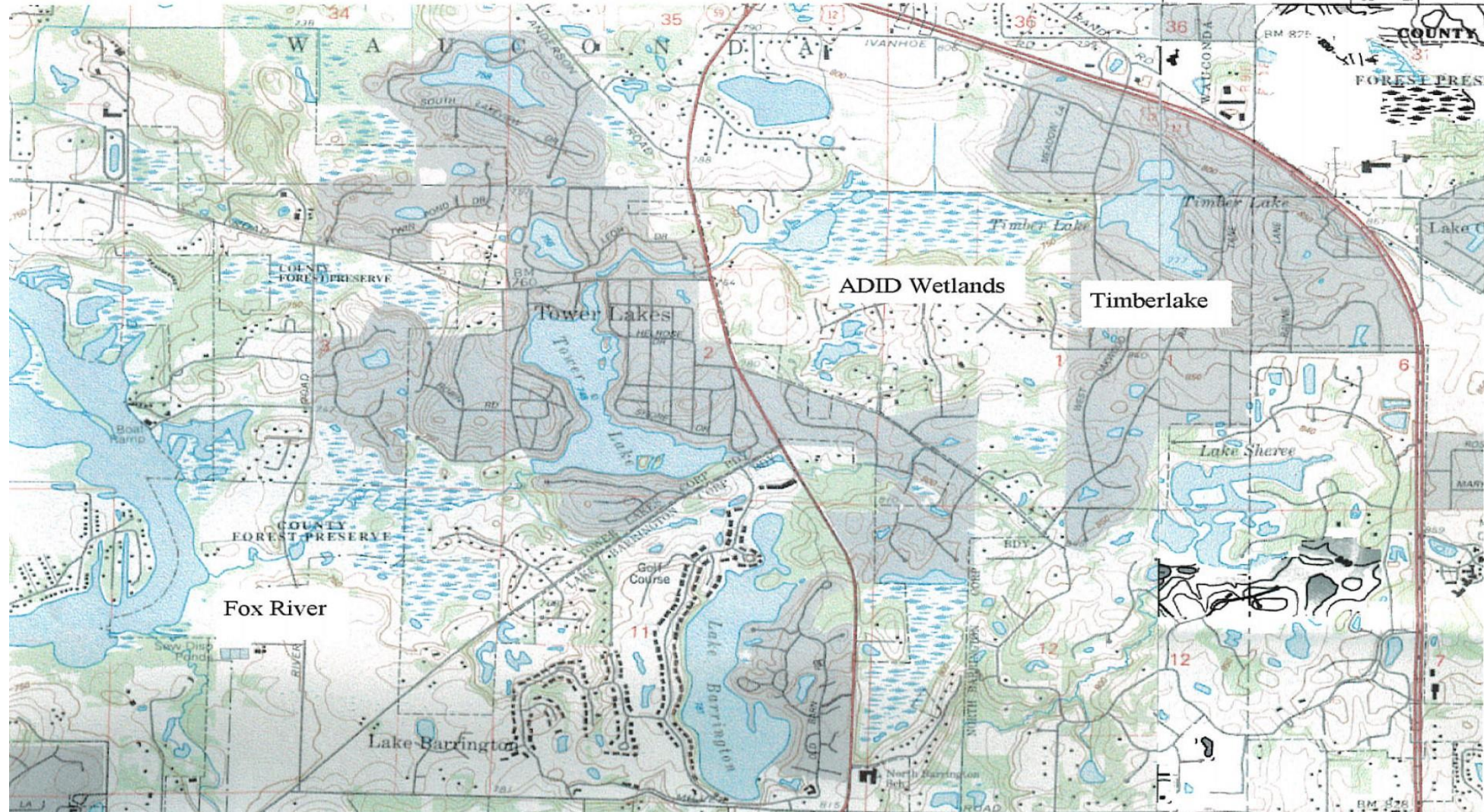
Timberlake Estates – North Barrington



Matt Lasusa

TIMBERLAKE

319 GRANT – SOUTH INLET PROJECT



History & Statistics – Timberlake

- Timberlake is a manmade lake, created in 1952 through construction of a 320 linear foot dam at West Lake Shore Drive
- Timberlake's total lake water surface area is approximately 33 acres (34 acres according to Volunteer Lake Monitoring Program (VLMP) reports, and 31.6 acres based on computer digitization of a 1997 aerial photograph)
- The maximum lake depth is 14 feet, and average water depth is 6.8 feet

History & Statistics – Timberlake

- The total watershed area of Timberlake is approximately 764 acres, or 1.2 square miles. Timberlake also receives storm water runoff from approximately 15 acres of U.S. Rt. 12. Lake County recently calculated the watershed at 1261 acres (2013).
- Timberlake discharges (through the “spillway”) into the Timberlake Drain, then Tower Lakes, then the Tower Lake Drain which eventually flows into the Fox River.

Issues in Timberlake

- **Eutrophication**
 - Sedimentation
 - Weeds and Algae
 - Storm Water runoff
- **Lake Impacts**
 - Algae blooms
 - Lack of Plants and biodiversity
 - Increased temp
 - Drops in dissolved O₂
- **Erosion**
 - Shoreline Erosion
 - Upstream Inlet Erosion
- **Pollution (non point source)**
 - Fertilizer
 - Phosphates & Nitrogen
 - Goose poop
 - Roads
 - Septic Systems
- **Prior Management Practices**
 - Aeration System
 - Grass Carp
 - Lack of a Cohesive Management Plan

Steps Taken

- 1999 Comprehensive Lake Management Plan – Living Waters Consultants / Ted Gray
- 2000 Lake Management Plan - Lake County
- Aerator System Removal
- Fish Stocking Program, NO Grass Carp, 15 year mortality
- No Chemical Treatment
- Weevils – Eurasian Milfoil
- Educate Homeowners – Fertilizers, Phosphates, Nitrogen
- Shoreline Erosion – Homeowner Participation & Eagle Scout Project – Buffer Strip
- Weir Gate installed – draw down lake / silt compaction
- VLMP – consistent, measurable results

The Weed Harvester

- Temporary Solution Only
- Band-Aid for a much larger, more complex problem
- Results that Homeowners can see and appreciate while long term solutions and goals are addressed

Major Goals and Barriers

MAJOR GOALS

- Avoid Dredging and Why
- Address Silt Sources – Inlets and Shoreline
- Reduce Non-Source Point Pollutants
- Spillway / Roadway Dam Issues

BARRIERS

- Funds
- Money
- \$\$\$
- Lack of Grant writing expertise
- Lack of Homeowner participation
- Knowledge & Experience

The Opportunity – 319 Grant

319 Grant Program for States and Territories

319 Overview

Current Guidance

Historic Guidance

Reports

The 1987 amendments to the Clean Water Act (CWA) established the [Section 319 Nonpoint Source Management Program](#). Section 319 addresses the need for greater federal leadership to help focus state and local nonpoint source efforts. Under Section 319, states, territories and tribes receive grant money that supports a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects and monitoring to assess the success of specific nonpoint source implementation projects.

Started in 1990, annually awarded grants to reduce Nonpoint Source Pollution, Federally funded from fines levied on companies polluting the waterways, administered by the State EPA, in 2016 targeting applications in N Illinois.

Mentors

- Tower Lakes – Lake Management Team – Follow the Leader
- Ted Gray – Living Waters Consultants – Since 1999
- 9 Lakes Partnership – Collaborative Effort and Experience
- Barrington Area Conservation Trust – BACT
- Nancy Schumm – Grant Writing

The Project – South Inlet – Phase 1

- Design, permit, and construct approximately 90 linear feet of **bioswales** along East Oakwood's right-of-way and approximately 450 linear feet of an actively eroding ravine stream. Approximately 2.5 ft of underlying aggregate material in the bioswale areas reduce and infiltrate runoff prior to discharge to downstream areas and reduce pollutant loads. Bioswale areas will be planted with native plant species.
- **Streambank stabilization** to prevent additional soil pollutant transport throughout the South Inlet and the downstream Fox River. In the more severely eroded areas, the streambank toe of slope will be protected with 148 linear feet of rock toe
- **Rock Checks** – Nineteen (19) in total extending a total of 552 linear feet along both streambanks will be installed to protect the channel from future down-cutting and erosion. Rock Checks increase re-aeration and oxygenation of the water column. Rock Checks also help to dissipate excess stream energy and reduce high erosive forces against the streambanks. In one location, Rock Checks are proposed to arrest severe down-cutting along East Oakwood Drive

The Project – South Inlet – Phase 1

- Restoration / Erosion Blanket / Native Plantings: All access routes will be restored using re-grading with erosion blanket and installation of native plantings along all stabilized streambank areas. Effective native plant installations improve long-term streambank stabilization, pollutant filtration, wildlife habitat, dissipation of flow energy, and improvement of site aesthetic values
- This project will also include an education component. The goal is to introduce and encourage private landowners to embrace the idea of raingardens and install them on their own property to contribute to the prevention of pollution in the lake, and to inspire neighboring and statewide lake owners to institute pollution prevention programs throughout their own communities.

Project Benefits

- Reduce sedimentation within the south inlet of Timberlake
- Treat storm water runoff before it reaches Timberlake
- Reduce non-source point pollutants
- Reduce phosphorus pollutant loads
- Improve water quality to support aquatic life
- Reduce fecal coliform pollutant loads
- Build local partnerships involve private landowners in resource protection efforts
- Identify site scale opportunities for implementing green infrastructure
- Raise public awareness and increase understanding of the impacts of land-use and land-water management decisions
- Provide information and educational resources to elected officials and the general public

Project Work



Project Work



Project Work



Project Work



Project Work



Project Work



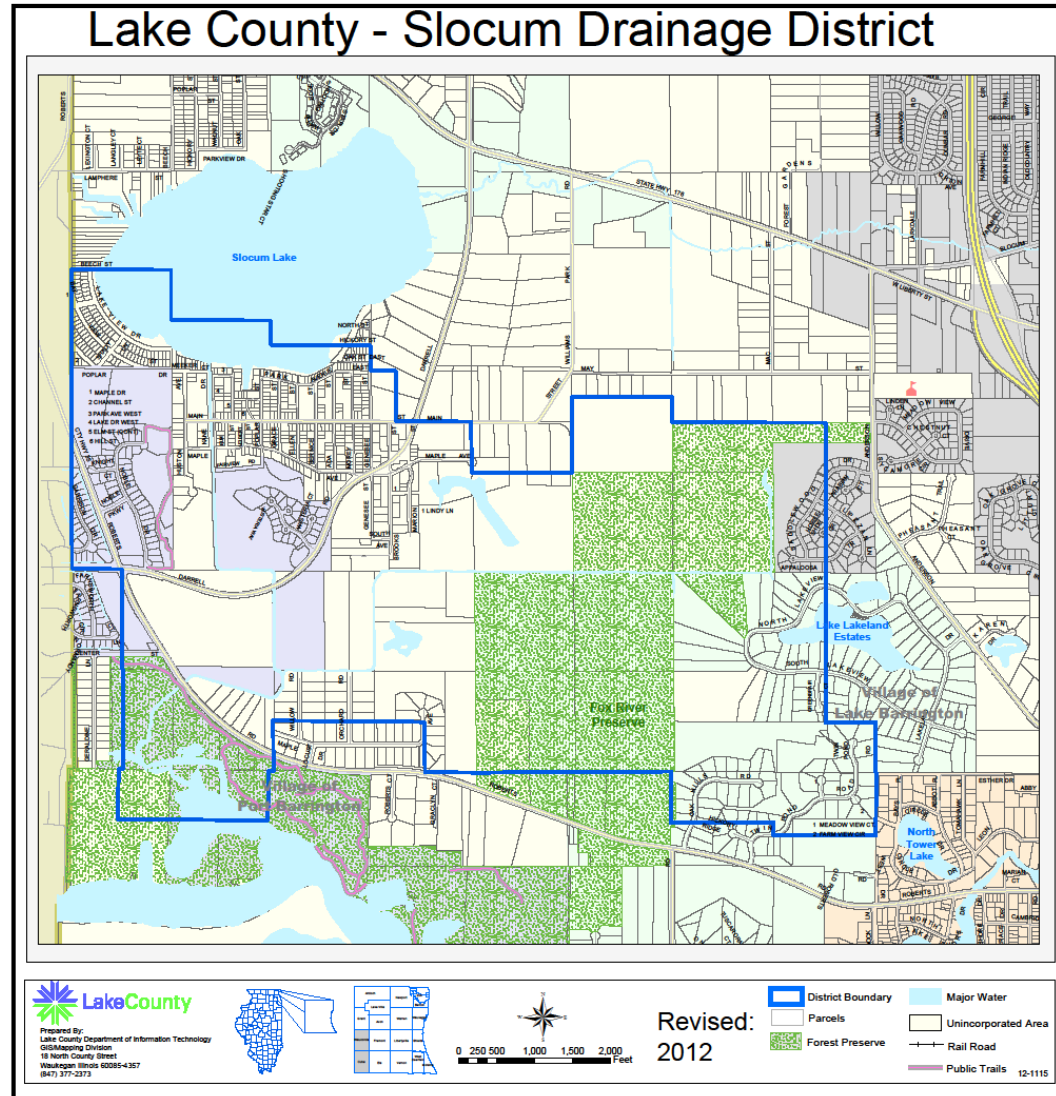
Project Work



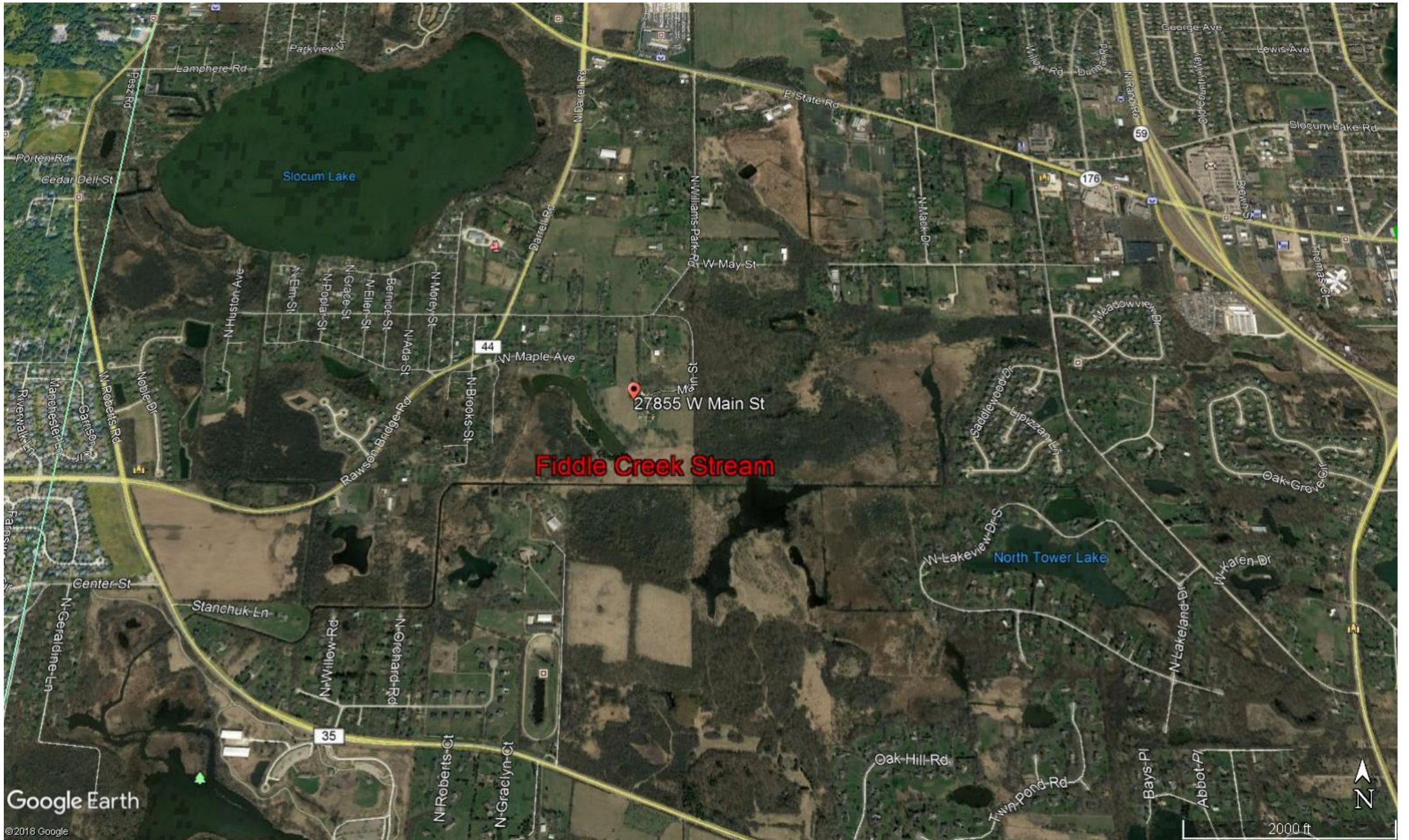
Thank You !!

- To IL EPA for their generous financial support through the 319h grant award**
- To LC SMC for their financial support and ongoing advise**
- To Ted Gray / Living Water Consultants for his guidance and support over the last 19 years**
- To Nancy Schumm, for her technical expertise and grant writing**
- To Encap, for their knowledge, expertise and commitment to providing quality work**
- To the lake management team of Tower Lakes for their inspiration, guidance and leadership**

Slocum Lake Drainage District – Fiddle Creek



Ed Lochmayer

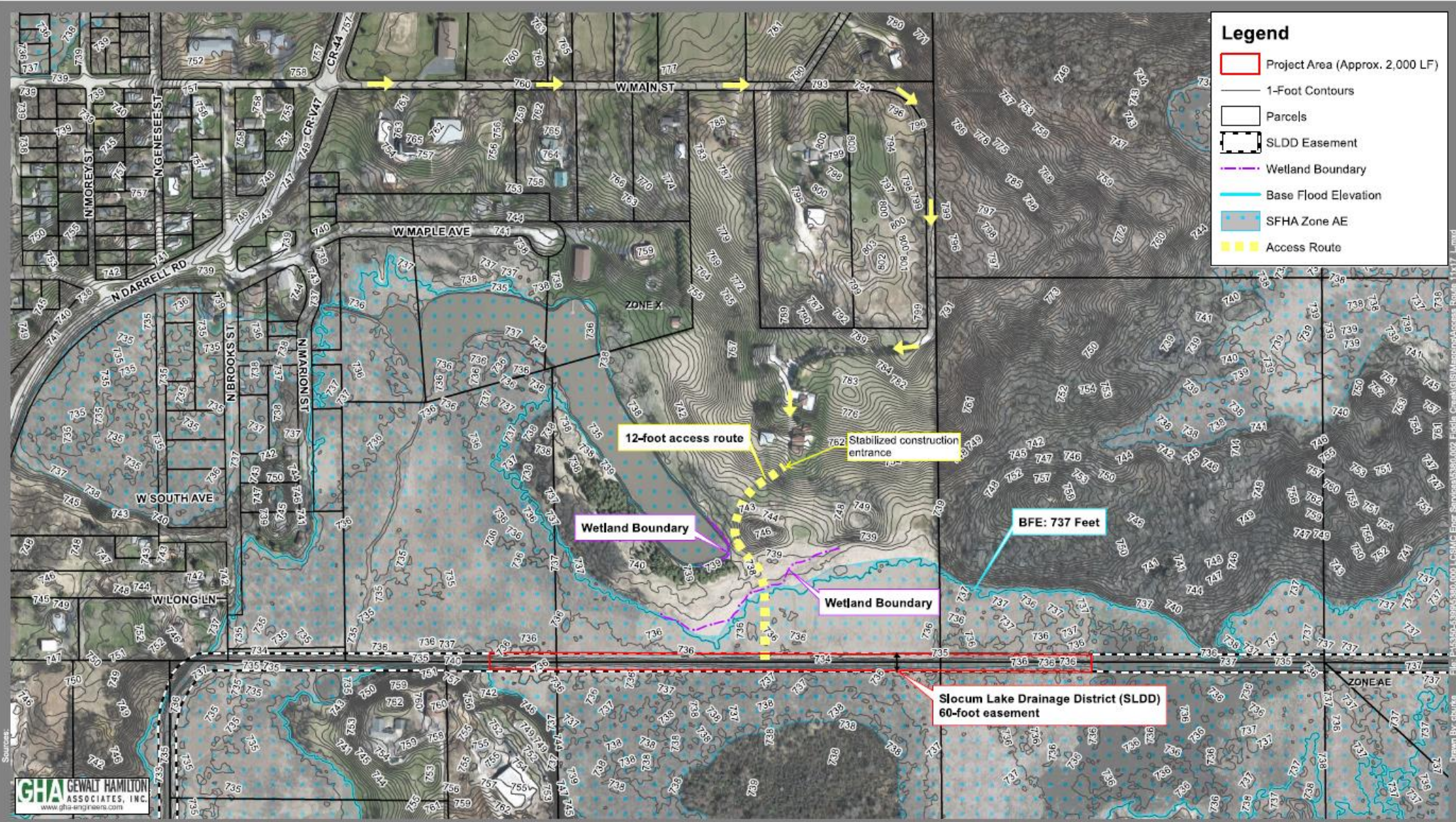


Google Earth

© 2018 Google

2000 ft





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www.gha-engineers.com

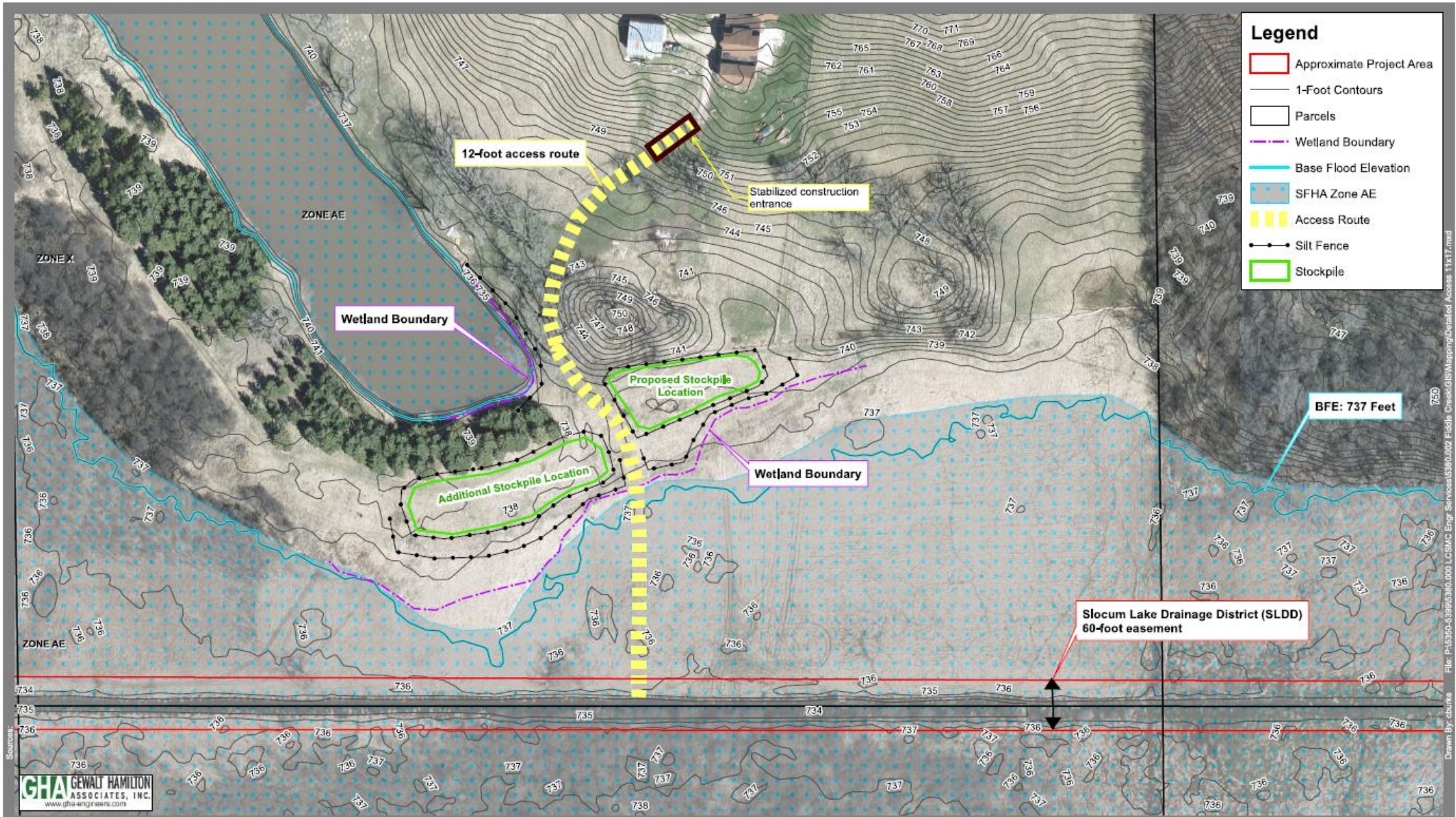


SITE ACCESS PLAN

FIDDLE CREEK STREAM RESTORATION
SLOCUM LAKE DRAINAGE DISTRICT AND LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
LAKE COUNTY, ILLINOIS

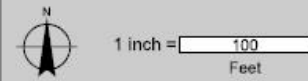
SHEET NO. 2

Sources: File: F:\3530-5399\3530-000\LCRMC Eng Services\3530-002 Fiddle Creek\GIS Mapping\Access Route 11\AT1.mxd
 Drawn By: coliver



- Legend**
- Approximate Project Area
 - 1-Foot Contours
 - Parcels
 - Wetland Boundary
 - Base Flood Elevation
 - SFHA Zone AE
 - Access Route
 - Silt Fence
 - Stockpile

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www.gha-engineers.com



SITE PLAN

FIDDLE CREEK STREAM RESTORATION
SLOCUM LAKE DRAINAGE DISTRICT AND LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
LAKE COUNTY, ILLINOIS

SHEET NO. 3

File: P:\5380-5380\5380_000 LCSMC Eng Services\5380_002 Fiddle Creek\GIS\Mapping\Detailed\Access 11x17.mxd
Drawn By: dbruke



ITASCA BANK
& TRUST
CO

MARY J BRZICA

LAKE COUNTY
FOREST
PRESERVE
DISTRICT

2,000 L.F. +/- CHANNEL DRAINAGE RESTORATION

LESLIE L SUMMERS
& ANNE L
M SUMMERS

LAKE COUNTY
FOREST
PRESERVE
DISTRICT

LAKE COUNTY
FOREST
PRESERVE
DISTRICT

28200 ROBERTS
RD LLC



Fiddle Creek Looking East towards Branch A

Branch A Intersection w/ Fiddle







Brush Clearing





Excavation



Seeding and Cover



Lake County Stormwater Management Commission (Grants)



Sharon Østerby

GRANT PROGRAMS

Coordinated & Administered by Lake County SMC

WMAG Water Management Assistance Grant	<ul style="list-style-type: none">• Identify & Resolve Watershed Issues Through Local Partnerships• No cost Share
WMB Watershed Management Board	<ul style="list-style-type: none">• Flood Damage Reduction, Water Quality Improvement, and Ecosystem Service Restoration Projects• 50/50 Cost Share
SIRF Stormwater Infrastructure Fund	<ul style="list-style-type: none">• Inter-Jurisdictional Drainage Issues & Flood Problems• 50/50 Cost Share
IL EPA 319	<ul style="list-style-type: none">• BMP's & Non-Point Source Pollution Reduction Projects (Corrective or Preventative)• 50/50 Cost Share
WRF Wetland Restoration Fund	<ul style="list-style-type: none">• Impacted Isolated Wetland Restoration, Creation or Enhancement, and Buffer Enhancement Projects• 30/70 Cost Share

For more information contact Sharon Østerby: 847-377-7706 or sosterby@lakecountyiil.gov

Questions?