

# Stellwagon Family Farm Master Plan

Response to Request for Proposals (RFP) #15-007

Village of Orland Park  
Attn: Village Clerk's Office  
14700 S. Ravinia Avenue  
Orland Park, Illinois 60462

Mr. Mehalek,

ecology + vision, llc (*ecology*) is pleased to submit our qualifications and price proposal for consideration regarding the Village's Stellwagen Family Farm Master Plan project.

If selected, *ecology* commits to provide Professional Landscape Architecture and Master Planning Services with qualified and experienced personnel.

Our staff consists of Registered Landscape Architects, Ecologists and Arborists specializing in park planning and landscape design that integrates natural areas, wildlife habitat and sustainable practices. As you will see from our project references, *ecology* has extensive experience in master planning projects, however due to the unique urban farm component of this project we have approached it in partnership with the following specialists:

- **Johnathan W. Sebastian** – Curator at the Fischer Farm historic site for the Bensenville Park District. Established around 1834, Fischer Farm is believed to be one of the oldest remaining homesteads in the county. Johnathan has been involved in all aspects of work from cataloging artifacts, to processing the archival collection, to planning and running programs. He was also involved with the grant application process seeking funding for the restoration of two of the historic structures at Fischer Farm.
- **Sam E. Wortman, PhD.** – Assistant Professor of Urban Food Production, Department of Crop Sciences, University of Illinois, Champaign-Urbana, Illinois. The overall goal of Dr. Wortman's research program is to improve the productivity, profitability, and sustainability of urban and peri-urban food production systems of the north central US. He also teaches "Introduction to Horticulture and a graduate level course titled "Urban Food Production"
- **John Mulrow** – Executive Director, Plant Chicago (NFP), Chicago, Illinois. John currently heads up Plant Chicago, a not-for-profit organization with the mission of developing circular economies of food production, energy conservation and material re-use; empowering people of all backgrounds to make their cities healthier and more efficient.
- **Rick Collins** – Owner, Trillium Dell Timberworks, Knoxville, Illinois. Rick Collins is a master carpenter and registered Journeyworker. He has a strong commitment to the preservation and continuation of our built and natural heritage.

Together, our team has extensive experience in both urban and rural agriculture, from small-scale organic vegetable production, to Agra-Industry management, to large-scale biofuels production with complex research components. We've also restored ecosystems across the Midwest and boast design experience ranging from small residential rain garden design to LEED-based landscape architecture for large corporate campuses. We have the professional staff, wide-ranging experience and the breadth of knowledge it will take to execute the Stellwagen Family Farm Master Plan project successfully.

We look forward to working with the Village of Orland Park, please contact me with questions or if further information is needed.

  
Andy Stahr, PLA, LEED AP  
Principal  
815-751-2470  
andys@ecologyllc.com

February 26, 2015



ecology + vision, llc.  
landscape architects & ecologists  
136 Railroad Street | 16948 Schwark Rd  
Leland, IL 60531 | Three Oaks, MI 49128

815.981.8003  
www.ecologyllc.com



## Village of Orland Park Stellwagen Family Farm Master Plan

Response to Request for Proposals (RFP) #15-007

Village of Orland Park  
Attn: Village Clerk's Office  
14700 S. Ravinia Avenue  
Orland Park, Illinois 60462

ecology + vision, llc is pleased to submit our qualifications and pricing for consideration regarding the Village's Stellwagen Family Farm Master Plan project.

We have assembled a project team that will result in a high quality, fiscally sound and successful agricultural management and educational program for the Farm.

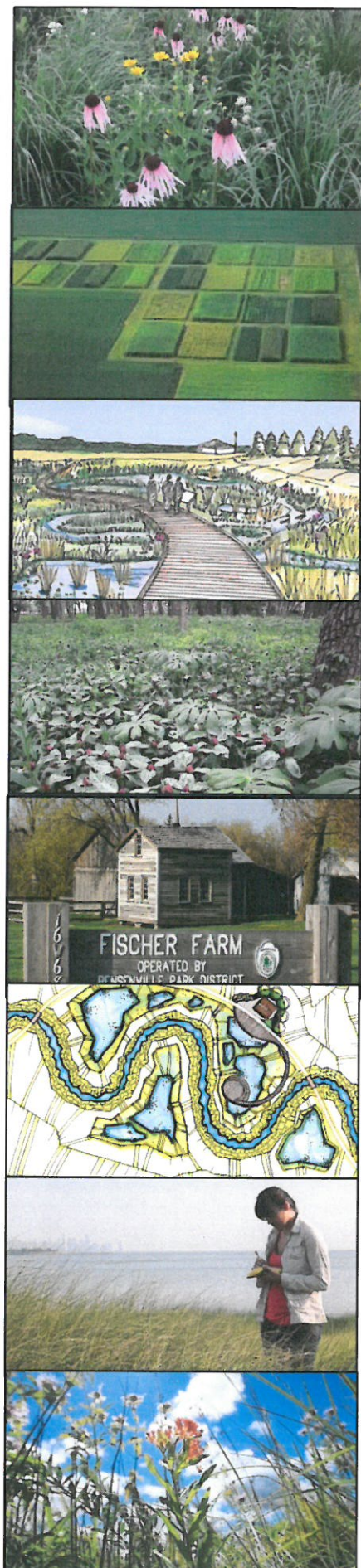
If selected, ecology + vision, llc commits to provide Professional Landscape Architecture and Master Planning Services with qualified and experienced personnel.




landscape architects & ecologists  
136 Railroad Street | 16948 Schwark Rd  
Leland, IL 60531 | Three Oaks, MI 49128

815.981.8003  
[www.ecologyllc.com](http://www.ecologyllc.com)

February 26, 2015



Project photos provided by  ecology

*~Page Intentionally Left Blank~*



***Project Understanding:***

The goal is create a fiscally sound Urban Farm Master Plan that honors the site's history and furthers the mission of both the Village of Orland Park and the Stellwagen Family Farm Foundation through comprehensive design and programming.

Following a series of meetings with staff, public informational meetings and an external market analysis, the final document will provide a framework for achieving the goals and objectives stated in the RFP through the development of a Curator's Program, an Agricultural Management Program, a Natural Areas Management Program, an Educational and Public Events Program and a Public Outreach and Business Development Plan.

The design process will be conducted in an informational capacity for staff, stakeholders and members of the public as a means of better understanding the Stellwagen Family Farm's existing agricultural & open space resources, and will provide a basis for the decision-making process regarding programming, preservation, restoration and long-term management.

***Qualifications and Experience:***

The Stellwagen Family Farm Master Plan project will be led by ecology + vision, llc (*ecology*). With over a decade of award-winning experience as landscape architects and ecological consultants, the experts at *ecology* offer a rare perspective to our clients on the **successful** implementation of sustainable systems into their next project by providing field-tested insight as to what works...both on paper *and* in the field.

*ecology's* staff consists of Registered Landscape Architects, Ecologists and Arborists specializing in park planning and landscape design that integrates natural areas, wildlife habitat and sustainable practices. We employ the most up-to-date technology to ensure accurate data collection and the highest quality design & planning graphics, including but not limited to the latest version of AutoCAD Map 3D, the latest Adobe Design Suite of products, Google SketchUp, Trimble GeoXH GPS mapping systems and the latest version of ArcGIS.

We have selected project partners who bring very specific skills and proven ability to produce results as demonstrated by the attached resumes (Appendix A). Following is a summary of each firm's specialization and anticipated responsibilities:

***ecology + vision, llc – Project Lead***

A practical in-depth understanding of park design, basic horticulture and ecological restoration techniques will be critical to the success of this project. *ecology* is uniquely positioned to lead this project, ensuring that all processes followed are practical, thorough and consistent. Our staff is mobile and will be able to be on-site as needed.

- **Responsibilities** – Project coordination & scheduling; client communication; project visioning; tree inventory; vegetation baseline data establishment & analysis; development of a Natural Areas Management Program; site layout and development of conceptual plans; development of the final Master Plan document; presentations to the City and the public; and overall quality control. All work will be performed by *ecology* or assigned project partners at the direction and under direct supervision of *ecology*.

Jonathan Sebastian (Independent Consultant) – Curator

Jonathan earned his B.A. in history from Judson College (now University) and his M.A. in Public History from Loyola University Chicago. He has been an adjunct professor of history at Judson University teaching World History 1500 to the Present, and U.S. history and served as a tour guide at Jubilee College State Historic site outside of Peoria, Illinois.

Currently, he is the curator of the Fischer Farm historic site in Bensenville, Illinois. At Fischer Farm, he has been involved in all aspects of work from cataloging artifacts, to processing the archival collection, to planning and running programs. He was also involved with the grant application process seeking funding for the restoration of two of the historic structures at Fischer Farm. Recently, he completed an inventory and future plans document for the site and has also written the mission and vision statements. At present he is at work on the administrative history of the site.

- *Responsibilities* – Under the direction of ecology + vision, llc, Mr. Sebastian will assist the team by developing a Curator's Program; assisting in evaluation and development of an Educational and Events Program; and assist in targeting grant funding available for curator and/or restoration needs.

Dr. Sam Wortman (Independent Consultant) – Agricultural Management

Dr. Wortman is an assistant professor at the University of Illinois in the Department of Crop Sciences. His research, teaching, and outreach efforts are focused on urban and local food production. His expertise on sustainable, space-intensive crop production will contribute to a high quality agricultural management plan for the Farm. Dr. Wortman's research on crop physiological response to urban and peri-urban environments will inform crop selection and expected yields at the Farm. Moreover, his technical knowledge of fruit and vegetable production will contribute to a sound annual production schedule that is compatible with public outreach programs.

- *Responsibilities* – Under the direction of ecology + vision, llc Dr. Wortman will assist the team by developing an Agricultural Management Program with a five-year financial strategy.

The Plant Chicago – Visionary, Urban Ag-Business Consultant and Educational Programing

Founded on a model of closing waste, resource, and energy loops, The Plant is working to show what truly sustainable food production and economic development looks like by growing and producing food inside an repurposed industrial building.

From its beginnings as a 93,500 sqft meatpacking facility, The Plant is being converted into a net-zero energy food business incubator. A complex and highly interrelated system, The Plant will hold indoor demonstration farms and educational facilities operated by Plant Chicago, NFP and will incubate sustainable food businesses by offering permanent tenant spaces at low rent and low energy costs.

The Plant will create 125 jobs in Chicago's economically distressed Back of the Yards neighborhood – but, remarkably, these jobs will require no fossil fuel use. Instead, The Plant will install a renewable energy system that will eventually divert over 10,000 tons of food waste from landfills each year to meet all of its heat and power needs.

- *Responsibilities* – Under the direction of ecology + vision, llc The Plant will assist the team by visioning alternative methods of food production possible at the site; developing sustainability programs that can be utilized at the farm to reduce resource consumption and reduce waste; provide insight regarding revenue generation with small-scale food production; identify opportunities for integration with the local business community; and assist in the development of an Education and Event Program.

*Trillium Dell Timberworks – Historic Building Consultant (ALTERNATE)*

Trillium Dell Timberworks is a leading timber frame building company; offering custom solutions to meet any timber frame construction need. Much of their work centers on historic building restoration, building conservation, historic replication and trade preservation- including commercial buildings, barns and cabins. Trillium's staff of trained Journeyworkers and Apprentice Timber Framers take great pride in re-creating timber frame structures and restoring existing buildings to ensure that they will be utilized and appreciated for generations to come.

Over the years Trillium Dell has been involved in the restoration and conversion for adaptive re-use of hundreds of structures. Many of their restoration projects have been barns converted to homes or educational and interpretive centers. Trillium Dell has reconstructed and repaired more timber frame barns than any other company in the Midwest, including restoration of the sill system of the Stellwagen Farm big barn shortly after the Village took ownership of the property!

- *Responsibilities* – As an alternative service and under the direction of ecology + vision, llc Trillium Dell will assess the current condition of existing buildings on site; develop budgets for restoration work; and develop preliminary design guidelines and budgets for any proposed new structures (such as the docent/facilities/touring center mentioned in the RFP "Context" section), ensuring that their design and construction will match the historical character of the existing farmstead buildings.

Our team comprises professionals of the highest caliber who will focus on the efficient execution of the Village's Stellwagen Family Farm Master Plan project. As a dedicated project team we'll bring an ethic that stresses results over style and provides accountability to the project stakeholders responsible for presenting the project to local taxpayers.

*Past Experience* – Our team has extensive experience in both urban and rural agriculture, from small-scale organic vegetable production, to Agra-Industry management, to large-scale biofuels production with complex research components. We've also restored ecosystems across the Midwest from Harbor Springs, MI to St. Louis, MO; and have provided ecological consultation in 16 states from New York and Massachusetts, Florida and west to Kansas. Our design experience ranges from small residential rain garden design to LEED-based landscape architecture for large corporate campuses, such as Patterson Technologies in Effingham, IL and Caterpillar, Inc. in East Peoria, IL. We have the professional staff, wide-ranging experience and the breadth of knowledge it will take to execute the Stellwagen Family Farm Master Plan project successfully.

***Project Manager:***

Andy Stahr is the assigned Project Manager for the Stellwagen Family Farm Master Plan project (815.751.2470 or andys@ecologyllc.com). Mr. Stahr will coordinate all work and communicate progress  
ecology + vision, llc  
Stellwagen Family Farm Master Plan RFP  
Village of Orland Park, Illinois

to assigned project representatives. All communication will occur in a prompt, concise and efficient fashion with a particular focus on accurate reporting of progress. All available forms of communication will be utilized with e-mail and telephone being the preferred methods.

Our team is focused on ultimately delivering on-the-ground results. Teamwork will be critical to this end. As such, *ecology* will make Mr. Stahr available for all requested site visits, assessments and progress meetings.

***Fees:***

Our team will approach the Village's project with the understanding that results speak for themselves. Our price proposal is constructed in the same fashion, as results oriented designers and practitioners. Once the project is awarded, it is vitally important that we quickly define the parameters for success and begin methodically moving toward project completion. Clear communication of expectations and efficient execution of the approved scope of services by our highly-trained staff ensures that our projects are delivered on budget, on time.

Our proposed fees are summarized below:

Phase 1 – Site Investigation & Concept Design	\$5,000.00
Phase 2 – Community Feedback & Market Analysis	\$4,800.00
<u>Phase 3 – Development of Master Plan Document</u>	<u>\$7,000.00</u>
TOTAL BASE BID	\$16,800.00

<u>ALTERNATE 1 – Building Assessment &amp; Design/Restore Guide</u>	<u>\$6,500.00</u>
TOTAL ALTERNATE BID	\$6,500.00



**Appendix A – Firm Profiles and Resumes of Key Staff**

*~Page Intentionally Left Blank~*



**ecology + vision, llc.**

## FIRM PROFILE

*ensuring success in nature...*

ecology + vision, llc is a professional firm focused on offering ecological consultation and sustainable design solutions to municipalities and established professional design firms through our unique **Greenline®** review service and pre-construction & post-construction ecological services.

With over a decade of award-winning experience as professional ecological consultants and contractors, ecology + vision, llc. was formed to offer a rare perspective to municipalities and established design professionals on the **successful** implementation of natural areas into their next project by providing field-tested insight as to what works...both on paper and in the field.

Our staff consists of Registered Landscape Architects and Ecologists specializing in native plants, naturalized landscapes and ecosystem restoration that can work seamlessly alongside your professional design staff.

### **DESCRIPTION OF SERVICES:**

Our highly trained ecologists and landscape architects provide ecological consultation and sustainable design & planning services to a variety of clients that include landscape architects and planners, civil engineers, schools & universities, development teams, private and public landowners, city, county, state, and federal government agencies, homeowners associations, property managers, golf courses, corporate campuses, and non-profit organizations.

### **Reviewing Authority-**

Our Greenline® review is a unique professional consultation service developed by ecology + vision, llc to enhance the offerings of the traditional design industry and ensure successful natural areas implementation planning by municipalities or in developments/projects being proposed. Greenline® redefines a well-established professional design review process that is typically referred to as "redlining". However, a Greenline® is a review of an intermediate design drawing and/or specification set using our recognizable green inked pens in order to show revisions or corrections that specifically implement and/or improve overall sustainability of a design and **improve the success rates of natural area installations**. Our reviewers may also offer suggestions from a contracting perspective

### **SERVICES OFFERED:**

- **Greenline®** Plan Review
- Timber Stand Improvement (TSI) Plans
- Timber/Forest Stand Assessment
- Natural Areas Assessment
- Floristic Quality Assessment
- Natural Areas Masterplanning
- Native Planting Design
- LEED Landscape Design
- Wetland Determination/Delineations
- Permitting
- Construction Documentation
- Native Species Plant/Seed Selection
- Written Technical Specifications
- Vegetation Monitoring/Reporting
- Reserve Studies for HOA's
- Construction Observation
- Natural Areas Training
- Conservation Research
- Speaking on Natural Areas Subjects

### **PROFESSIONAL QUALIFICATIONS:**

- Registered Landscape Architects
- ISA Certified Arborists
- Certified Healthcare Garden Designers
- LEED Certified Professionals
- Ecologists with:
  - 38-hour US Army Corps Wetland Delineation & Regional Supplement Training
  - Certified Pesticide Operators
  - Certified Prescribed Fire Managers

### **TECHNICAL CAPACITY:**

- AutoCAD Map 3D (latest version)
- GPS Mapping (Trimble Unit)
- ArcGIS
- Google SketchUp
- Adobe Design Suite:
  - Photoshop
  - In-Design
  - Illustrator

to lower costs or solve common problems with the implementation of natural solutions, adding significant value to your end product.

#### **Wetland Delineation and Other Traditional Ecological Services-**

To ensure the **successful** implementation of natural areas within our clients' design projects, ecology also offers pre and post construction services such as wetland determination/delineation, natural areas assessments, permitting, construction observation and natural areas monitoring & reporting.

#### **Sustainable Design and Planning-**

Our extensive experience with the actual construction and management of natural areas has given ecology + vision, llc a level of expertise that is unmatched within the industry today. We dedicate our design & planning knowledge to three main natural communities that occur in our native land: prairies, woodlands and wetlands. Following an intensive review of existing ecological conditions on your site, design & planning services consist of historical ecosystem research, delineating & assessing existing ecosystems and developing a comprehensive ecological restoration plan, which may include full construction documentation and/or developing written specifications for species selection, restoration implementation, stewardship, prescribed fire and vegetative performance criteria. We employ the most up-to-date technology to ensure accurate data collection and the highest quality design & planning graphics, including but not limited to the latest version of AutoCAD Map 3D, the latest Adobe Design Suite of products, Google SketchUp, GPS mapping systems and ArcGIS.

#### **Training Customized to Your Needs-**

ecology + vision, llc can assess your current maintenance capabilities, provide customized, structured training in the general aspects of natural areas restoration, maintenance and provide training in the aspects of prescribed fire to make your organization self-sustainable in the restoration & stewardship of your natural areas. We also offer on-going training services, including advanced tracts covering maintenance, safety and plant identification.

#### **Conducting Research that Matters-**

ecology + vision, llc's research and development division is charged with scientifically evaluating current ecological restoration practices targeting the improvement of methods, materials and processes used for the enhancement and/or establishment of native flora and fauna. We are uniquely qualified to conduct Conservation Research due to our practical in-depth understanding of ecological restoration techniques. Understanding "industry standards" and their deficiencies, having a proven track record of successful on-the-ground restorations and fully understanding the costs involved are imperative in designing and implementing **successful** research projects. Our staff is uniquely positioned to assist you in your Conservation Research efforts, ensuring that all processes followed are practical, thorough and consistent including the full design, implementation and analysis of all potential research projects.



**EDUCATION**

University of Illinois, Urbana-Champaign, Illinois

Bachelor of Landscape Architecture with High Honors, 2001

**BIOGRAPHY**

With over a decade of award-winning experience as a design professional, both in the public and private sectors, and in the ecological restoration contracting industry, Andy offers a unique perspective to our clients on the **successful** implementation of natural areas into their projects by providing field-tested insight as to what works...both on paper *and* in the field...when it comes to the creation or restoration of aesthetically positive natural areas and sustainable landscapes. During his time as a General Manager for Pizzo & Associates, Ltd, one of the Midwest's premier ecological restoration firms, 38 of the projects that Andy was responsible for designing, implementing and managing have received green industry awards. Andy serves as the ecological knowledge base for the firm setting the philosophies, ethics, techniques and principals that have made ecology + vision, llc the industry leader in successful sustainable design and ecological consultation. He is also the developer of the exclusive Greenline® design review process, a service available to municipalities and other design professionals.

Andy offers a diverse background including varied experiences in Landscape Architecture and Ecological Restoration, including natural areas masterplanning, LEED xeriscape design, green roof planting design, construction plan and specification development, interpretive signage development, wetland delineation and mitigation planning, permitting, construction observation, and vegetation monitoring & reporting. Andy has also had key roles in a multitude of traditional design projects throughout his career including park design, commercial/retail landscape design, campus masterplanning, downtown streetscape design, subdivision development, city park planning and development, and residential estate planning.

**PROFESSIONAL AFFILIATIONS:**

- American Society of Landscape Architects (ASLA) – Full Member, Illinois Chapter
  - Reclamation & Restoration Professional Practice Network
  - Sustainable Design & Development Professional Practice Network
- Missouri Native Plant Society
- Illinois Native Plant Society
- Iowa Natural Heritage Foundation
- US Green Building Council (USGBC)
- Midwest Ecological Landscape Alliance (MELA)
- American Institute of Architects (AIA)
- CAI Illinois

**PROFESSIONAL TRAINING:**

- Professional Landscape Architect (PLA)
  - License No. 157.001244 (Illinois)
  - License No. 2011023398 (Missouri)
  - License No. 3901001563 (Michigan)
- LEED Accredited Professional BD+C
  - Identification Number 10657018
- 38-hour US Army Corps Wetland Delineation & Regional Supplement Training
- Certified Pesticide Operator (Illinois, 2007)
- S-130 Basic Firefighter Training (2006)
- S-190 Introduction to Wildland Fire Behavior (2006)
- Certified Healthcare Garden Designer (School of the Chicago Botanic Garden, 2003)

## **PROJECT EXAMPLES**

### **Richardson Wildlife Sanctuary, Dune Acres, IN**

Lead designer for a 3.5 acre restoration for an extremely high-quality remnant dune complex/Black Oak savanna ecosystem along the shores of Lake Michigan. Completed site assessment, conceptual design, cost estimating and full bidding documents.

### **Anita Purves Nature Center Habitat Garden, Urbana, IL**

Conducted conceptual design, design development, and completion of full bidding documents for the Urbana Park District's Anita Purves Nature Center Habitat Garden. The project consists of a 2 acre parcel surrounding the Nature Center, bounded by the Saline Drainage Channel, and also serves as the access point to Busey Woods, a 59 acre woodland that contains high-quality remnant areas of woodland, savanna, prairie, wetland, and riparian ecosystems. The Habitat Garden has been designed with an emphasis on attracting songbirds to the garden through the selection of species that feed birds directly through their fruit and/or seed as well as species that are hosts for caterpillars and insects, a main food source for songbirds

### **Sam & Dorothy Dean Nature Sanctuary, Oak Brook, IL**

Conducted plant inventory and site analysis, wetland delineation, conceptual design, design development, and completion of full bidding documents including wetland mitigation planning for the Oak Brook Park District's Dean Nature Sanctuary, a 40 acre parcel along Salt Creek that contains high-quality remnant areas of savanna, prairie, wetland, and riparian ecosystems. Approximately 25% of the parcel was designed for active participation by village residents with educational components and ADA accessibility, the remainder of the property has been designed for passive use with low-impact walking trails.

### **Natural Areas Masterplan, Quincy, IL**

Conducted a detailed inventory of existing natural features throughout select Quincy Park District properties, identified priority restoration sites, identified potential sites for conversion from turf to prairie and/or other BMP's such as rain gardens and bioswales, identified historical ecosystems, developed comprehensive natural areas restoration planning including species lists and methods, and provided phasing with specific cost estimates for restoration and long-term stewardship of natural areas.

### **Orland Grasslands, Orland Park, IL**

Andy was lead estimator for the Orland Grasslands Restoration project and a Project Manager during the early stages of implementation. Restoration efforts at Orland Grasslands address the impacts of invasive plant species, restoration of the natural site hydrology and provide direct aid to the native riparian plant communities through the implementation of ecological restoration measures. This project includes massive amounts of tree clearing, herbicide application, drain tile removal, 650+ acres of native seeding and installation over 50,000 native plugs. The project has multiple governmental agency ownership/involvement including the U.S. Army Corps of Engineers, Cook County Forest Preserve, and the Village of Orland Park. There is also a large, dedicated volunteer group of citizens that Pizzo must accommodate while continuing restoration work.



**EDUCATION**

**University of Illinois, Champaign-Urbana, Illinois**

M.S. in Restoration Ecology, 2013

**University of Illinois, Champaign-Urbana, Illinois**

B.S. in Ornamental Horticulture, 1984

**BIOGRAPHY**

Jack offers a diverse background with Masters-level training in applied biodiversity, ecology and ecosystem restoration. He boasts extensive experience in the design, implementation and analysis of ecosystems throughout the United States. Jack also has extensive ecological contracting experience including native, non-native and invasive plant identification, plant and seed installation techniques and natural areas stewardship. Jack is considered a prescribed fire expert and is regularly contracted as an instructor for the S-130/S-190 Wildland Firefighter training. In January of 2005 he served as an instructor at the Prescribed Fire Training Center in Florida. His contracting experience gives him practical insight when consulting with project ecologists and designers. Jack has participated in and directed work on an array of high profile ecological projects with large complex organizations, such as the U.S. Army Corps of Engineers, Argonne National Laboratory, Chicago Park District and the National Parks Service.

Regarded as the expert in successful natural areas restorations, Jack lends his extensive field expertise to ecology + vision, llc where he is charged with scientifically evaluating current ecological restoration practices, identifying and implementing the improvement of methods, materials and processes used for the enhancement and/or establishment of native flora and fauna. He is also called upon during complex site investigations and inventories, as his ability to identify species, decipher existing systems and unravel a site's ecological history is unmatched.

In addition to serving as Senior Ecologist for ecology + vision, llc, Jack is president of Pizzo & Associates, Ltd. Founded by Jack in 1988, Pizzo & Associates, Ltd. is currently the Midwest's largest ecological restoration contracting firm.

**PROFESSIONAL AFFILIATIONS:**

- American Society of Landscape Architects (ASLA) – Full Member, Illinois Chapter
- Illinois Landscape Contractors Association (ILCA)
- Society for Ecological Restoration
- Illinois Native Plant Society
- International Erosion Control Association
- Illinois Association for Floodplain and Storm Water Management
- Natural Areas Association
- Society of Wetland Scientists
- Salt Creek Greenway Association
- Soil & Water Conservation Society

**PROFESSIONAL TRAINING:**

- Registered Landscape Architect -License No. 157.000457 (Illinois)
- Illinois Certified Nursery Professional
- Certified Pesticide Operator/Applicator (Illinois, 1988)
- S-130 Basic Firefighter Training
- S-190 Introduction to Wildland Fire Behavior
- Advanced Burn Skills Training, The Nature Conservancy
- S-234 Ignitions
- Advanced Burn Training-National Interagency Prescribed Fire Burn Training Center
- Class 2 Ignition Specialist-National Interagency Prescribed Fire Burn Training Center

*~Page Intentionally Left Blank~*



**EDUCATION****Northwestern University, Evanston, Illinois**

Bachelor's in Environmental Sciences

**BIOGRAPHY**

Cassi entered the field of ecological restoration in 2008 and serves as the lead ecologist on ecology + vision, llc's projects. She offers a diverse background with formal training in field ecology, plant community ecology, conservation biology, quantitative methods for ecology & conservation, plant evolution and diversity, and the politics and science of environmental restoration. She has extensive experience in ecosystem research data collection and ecological contracting experience including native, and non-native plant identification, plant and seed installation techniques, and natural areas stewardship. Cassi's past contracting experience gives her practical insight when executing her current consulting responsibilities. Cassi has participated in and directed work on an array of high profile ecological projects with large complex organizations, such as the Chicago Park District, The Chicago Wilderness Land Management Research Program, and the Chicago Botanic Garden.

Cassi leads ecology + vision, llc's natural areas assessments, inventory and monitoring/reporting efforts, and is responsible for plant inventories, floristic quality assessments, and the development of regulatory compliance reports. Her ability to identify native, non-native, and invasive plants is critical to this highly skilled task. She also has fine-tuned GPS/GIS skills that include the application of Trimble™ receivers with subfoot accuracy for the collection of GPS data and has the ability to utilize Arc GIS software. Cassi also provides scientific support and real-world implementation knowledge to design staff when conducting historical research, producing restoration plans, and creating species lists.

**PROJECT EXAMPLES****Van Vlissingen Prairie Wetland Delineation, Chicago, IL**

Wetland delineation conducted for the Chicago Park District on a 135 acre site in the Calumet District of South Chicago. The site has an industrialized history and presented several "problem" conditions,

**PROFESSIONAL AFFILIATIONS:**

- Illinois Native Plant Society (State Board)
- Missouri Native Plant Society
- Habitat 2030 (Co-Director)
- Volunteer: Calling Frog Survey, Forest Preserves of Cook County, Kendall County Forest Preserve District, Salt Creek Greenway Association

**PROFESSIONAL TRAINING:**

- International Society of Arboriculture Certified Arborist®, IL-9160A
- 38-hour US Army Corps Wetland Delineation & Regional Supplement Training
- First Aid, CPR/AED
- Certified Pesticide Operator (Illinois)
- ICS-110 Wildfire Incident Command System(ICS) Training
- S-130 Basic Firefighter Training
- S-190 Introduction to Wildland Fire Behavior
- Chicago Wilderness Midwest Ecological Prescription Burn Crew Member Training
- Dr. Robert H. Mohlenbrock – Wetland Plant Identification Courses (Spring & Fall)
- Paul McKenzie – Grass Identification Workshop
- Paul Bollinger - Winter Plant Identification Workshop
- Field Herpetology Identification Training, University of Wisconsin-Milwaukee Field Station
- Conversational Spanish

such as a shallow restrictive layer, extensive sandy soils, fill soils and areas of mosaic wetlands requiring extensive study and critical thinking to make a judgment on their wetland status. Ultimately 40 acres of the site were classified as meeting wetland criteria. Cassi led all field efforts for this project.

#### **South Shore Nature Sanctuary Monitoring, Chicago, IL**

Executed a detailed inventory of existing vegetation throughout the South Shore Nature Sanctuary, a 5 acre natural area property owned by the Chicago Park District. The project included developing a site-specific monitoring protocol, detailed vegetative inventories, critical analysis regarding the quality of natural vegetation and its distribution throughout the property, recommendations for ecological restoration and species protection and recommendations for phasing/prioritization of work. Cassi led all efforts for this project.

#### **Roxana Marsh Restoration, Hammond, IN**

Developed detailed site restoration and establishment period plan and conducted monitoring/reporting for a 20 acre site consisting of 600 linear feet of shoreline that is part of the Grand Calumet River Cleanup overseen by the US EPA, US Fish and Wildlife Service, and the Indiana Departments of Environmental Management and Natural Resources Division. Cassi led all field activities for this project.

#### **Carbon Project Site Evaluation and Development Study, Various Locations, MO**

Organized and conducted forest inventories on State Park lands (3,285 acres). Data collected was utilized to conduct a feasibility study to determine the potential for the State to register and commercialize the carbon produced by on-going woodland restoration projects on the commercial carbon market. Cassi has all field efforts for this project.

#### **Burnham Wildlife Corridor Tree Inventory, Chicago, IL**

Planned, ,organized and executed a detailed inventory of existing trees throughout the Burnham Wildlife Corridor, a Chicago Park District property, prior to conducting ecosystem restoration efforts.

#### **Montrose Point Bird Sanctuary Tree Inventory, Chicago, IL**

Planned, ,organized and executed a detailed inventory of existing trees throughout the Montrose Point Bird Sactuary, a Chicago Park District property, prior to restoration masterplanning activities.

#### **Skare Park Ecological Masterplan, Rochelle, IL**

Executed a detailed inventory of existing vegetation throughout Skare Park, a 280 acre natural area property owned by the Flagg-Rochelle Community Park District. The project included detailed vegetative inventories, identification of historical ecosystems, critical analysis regarding the quality of natural vegetation and its distribution throughout the property, recommendations for ecological restoration and species protection, and recommendations for phasing of work with specific cost estimates for restoration and long-term stewardship of the natural areas. Cassi has led all field efforts for this project.

#### **PUBLICATIONS**

**Saari, Cassi** and Wesley Glisson. 2012. Survey of Chicago Region Restoration Seed Source Policies. *Ecological Restoration*. 30:162-165.



**EDUCATION****Arizona State University, Tempe, Arizona**

Master of Landscape Architecture, 2012

**University of Illinois, Champaign-Urbana, Illinois**

Bachelor of Landscape Architecture with honors, 2001

**BIOGRAPHY**

Erick entered the field of landscape architecture in 2001 and serves as Landscape Designer and GIS Technician for ecology + vision, llc. He has direct responsibility for all aspects of project production. This includes directing the overall brand development, concept, and outlook of each design project. Erick works seamlessly with clients in providing prompt deliverables for ecological consultations, sustainable design and planning services. Erick's ability to visualize natural areas restoration and sustainable landscaping projects through the utilization of high-quality computer and hand rendered graphics is unparalleled.

Erick offers a diverse background including varied experiences in landscape architecture, graphic design, and ecological restoration, including large-scale community masterplanning, campus masterplanning, natural areas masterplanning, resort planning and sustainable site solutions such as rain water harvesting. Erick is also experienced in teaching and conducts many of ecology's educational and training sessions. With an ability to work in multiple programs, Erick has superior skills in the Adobe Suites and AutoCAD Map 3D with fine-tuned skills in GIS/GPS applications.

**FEATURED PROJECT****Sugar Creek Savanna Ecological Assessment, Normal, IL**

Completed a detailed inventory of existing vegetation throughout the Sugar Creek Savanna, a 7 acre natural area property owned by Illinois State University in Normal, IL. The project includes detailed vegetative inventories, identification of historical ecosystems, critical analysis regarding the quality of natural vegetation and its distribution throughout the property, recommendations for ecological restoration and phasing of work with specific cost estimates for restoration and long-term stewardship of the natural areas. Restoration planning utilized AutoCAD Map 3D and ArcGIS.

ecology + vision, llc  
Stellwagen Family Farm Master Plan RFP  
Village of Orland Park, Illinois

**PROFESSIONAL AFFILIATIONS:**

- American Society of Landscape Architects (ASLA) – Full Member, Illinois Chapter
- Illinois Landscape Contractors Association (ILCA)
- Illinois Native Plant Society

**PROFESSIONAL TRAINING:**

- Planning Institute (Champaign-Urbana)
- Post Carbon Cities (Montreal)
- Certified Pesticide Operator (Illinois)
- S-130 Basic Firefighter Training
- S-190 Introduction to Wildland Fire Behavior
- Certified CPR/First Aid Instructor
- Certified Wilderness First Aid

*~Page Intentionally Left Blank~*



**EDUCATION****University of Nebraska, Lincoln, Nebraska**

Ph.D. in Agronomy w/specialization in Applied Ecology, 2012

**University of Nebraska, Lincoln, Nebraska**

M.S. in Agronomy w/specialization in Crop Physiology, 2009

**University of Saint Thomas, St. Paul, Minnesota**

B.A. in Biology and Environmental Studies, 2007

**CURRENT RESPONSIBILITIES**

**Research (45%):** The overall goal of Dr. Wortman's research program is to improve the productivity, profitability, and sustainability of urban and peri-urban food production systems of the north central US. Current projects are focused on characterizing the distribution of air and soil pollutants and quantifying their effects on vegetable crop physiology within metropolitan regions, improving the efficiency and productivity of hydroponic and aquaponic systems, developing multi-tactic organic weed management strategies, and evaluating the long-term agronomic and ecological benefits of various urban and peri-urban soil remediation strategies and cropping systems. Stakeholders include urban and peri-urban farmers, home and community gardeners, environmental consultants, and urban planners.

**Teaching (45%):** Dr. Wortman currently teaches freshman-level "Introduction to Horticulture" and a new graduate-level online course titled, "Urban Food Production", which includes topics ranging from community and backyard gardening to controlled environment agriculture.

**University of Illinois Extension (10%):** Dr. Wortman's outreach responsibilities include presentation of research results at traditional Extension events, industry tradeshows, and conferences. In addition, I am responsible for building educational relationships and collaborative partnerships with urban agriculture stakeholders in Chicago including municipal agencies, non-profit organizations, green entrepreneurs, and advocates for urban agriculture.

ecology + vision, llc is honored to include Dr. Wortman as a sub-consultant on our project team.

ecology + vision, llc  
Stellwagen Family Farm Master Plan RFP  
Village of Orland Park, Illinois

**PROFESSIONAL AFFILIATIONS:**

- American Society of Agronomy - Crop Science Society of America - Soil Science Society of America, 2010-present
- Weed Science Society of America, 2010-present
- Ecological Society of America, 2013-present
- American Society for Horticultural Science, 2013-present
- North Central Weed Science Society, 2009, 2011

**AWARDS AND HONORS:**

- Pi Alpha Xi Horticulture Honor Society, Beta Chapter, 2014-present
- List of Teachers Ranked as Excellent, Introduction to Horticulture (HORT 100), University of Illinois at Urbana - Champaign, Spring 2013, 2014
- Outstanding Paper in *Weed Science*, Weed Science Society of America, 2013
- Outstanding Graduate Student Award, Weed Science Society of America, 2012
- Gerald O. Mott Award, Crop Science Society of America, 2012
- Fling Fellowship, University of Nebraska-Lincoln, 2011-2012
- Othmer Graduate Fellowship, University of Nebraska-Lincoln, 2009-2012
- Honorable Mention, Outstanding Graduate Research Assistant, University of Nebraska, 2011
- Organic Crop Improvement Association Research & Education Scholarship Recipient, 2011
- Dean's Fellowship, University of Nebraska-Lincoln, 2009, 2010
- Curtis Endowed Fellowship, University of Nebraska-Lincoln, 2007-2008

### **POSITIONS HELD:**

- University of Illinois: Assistant Professor of Urban Food Production – 2012 to present.
- Graduate Research and Teaching Assistant - 2007 to 2012.

### **PUBLICATIONS:**

- Wagstaff, R., and **S. E. Wortman**. 2015. Crop physiological response across the Chicago metropolitan region: Developing recommendations for urban and peri-urban farmers in the North Central US. *Renewable Agriculture and Food Systems* 30:8-14. (Special Issue on Innovations and Trends in Sustainable Urban Agriculture)
- **Wortman, S. E.** and S. T. Lovell. 2013. Environmental challenges threatening the growth of urban agriculture in the United States. *Journal of Environmental Quality* 42:1283-1294.
- **Wortman, S. E.** 2013. Finding soil contaminant thresholds for urban farming – a moving target. *Illinois Fruit and Vegetable News* Vol. 19(5).
- **Wortman, S. E.** and R. Drijber. 2011. Considering Reduced- or No-Till Organic? Do it for the Fungi! *Organic Broadcaster* 19(5):12-13.
- Francis, C.A., K. Koehler-Cole, T. Hansen, J. VanWart, and **S. E. Wortman** (eds). 2008. *Science-Based Organic Farming 2008: Toward Local and Secure Food Systems*. University of Nebraska-Lincoln Extension Publication.
- 17 additional publications, can be provided upon request

### **PROFESSIONAL ABSTRACTS:**

- **Wortman, S. E.** (lead organizer), Ecological Society of America 2015 Annual Meeting Organized Oral Session titled, "Assessing Urban Agriculture: Ecosystem Services and Environmental Consequences." Baltimore, MD. Co-organizers: Adam Kay and Gaston Small, University of St. Thomas.
- Benitez, A., **S. E. Wortman**, and J. Guest. 2014. Sustainability implications of transitioning to urban agriculture food systems: An analytical framework and quantitative sustainability assessment. *Soil in the City Conference*, Chicago, IL.
- Wagstaff, R., A. S. Davis, C. Bernacchi, J. A. Juvik, and **S. E. Wortman**. 2014. Farming in the city: How does the urban atmospheric environment influence vegetable crop physiology? *Ecological Society of America Annual Meeting*, Sacramento, CA.
- **Wortman, S. E.** and S. T. Lovell. 2013. Environmental challenges threatening the growth of urban agriculture in the United States. *Ecological Society of America Annual Meeting*, Minneapolis, MN.
- Sarno, E., S. E. Wortman, *et al.* 2011. Development of the University of Nebraska Organic Farming Research Program. *ASA-CSSA-SSSA Annual Meeting*, San Antonio, TX.
- 17 additional professional abstracts, can be provided upon request



**EDUCATION****Loyola University, Chicago, Illinois**

M.A. in Public History, 2009

**Judson College, Elgin, Illinois**

B.A. in History, 2006

**BIOGRAPHY**

Jonathan Sebastian earned his B.A. in history from Judson College (now University) and his M.A. in Public History from Loyola University Chicago. He has been an adjunct professor of history at Judson University teaching World History 1500 to the Present, and U.S. history. He was a tour guide at Jubilee College State Historic site outside of Peoria, Illinois. Currently, he is the curator of the Fischer Farm historic site in Bensenville, Illinois.

At Fischer Farm, he has been involved in all aspects of work from cataloging artifacts, to processing the archival collection, to planning and running programs. He was also involved with the grant application process seeking funding for the restoration of two of the historic structures at Fischer Farm. Recently, he completed an inventory and future plans document for the site and has also written the mission and vision statements. At present he is at work on the administrative history of the site.

ecology + vision, llc is honored to include Mr. Sebastian as a sub-consultant on our project team.

**POSITIONS HELD:**

- Curator – Fischer Farm Historic Site, Bensenville Park District, Bensenville, Illinois. 2011 - Present
- US & World History Adjunct Professor – Judson University, Elgin, Illinois. 2010-2011
- 13 additional professional and volunteer positions

**PUBLICATIONS:**

- Fischer Farm Assessment Report and Future Plans
- "A Divided State: The 1862 Election and the Illinois Response to Expanding Federal Authority," *Journal of the Illinois State Historical Society*. Vol. 106, Nos. 3-4. Autumn/Winter 2013.

**AWARDS AND HONORS:**

- Phi Alpha Theta – National History Honors Society
- Theta Alpha Kappa – National Biblical Studies Honors Society
- National Scholars Honor Society
- Dean's List Judson College Fall 2002, Spring 2003
- Dean's List Bradley University Fall 2003, Spring 2004
- Dean's List Judson College Fall 2004, Fall 2005, Spring 2006

- *The Historical Buildings of Bensenville*. Bensenville, IL: Bensenville Park District, 2007.
- *The Fischers: At Home in America*. Bensenville, IL: Bensenville Park District, 2008.
- Interviewed in: "Back to the Past: Heritage Day Offers Visitors Glimpse Of History," *Daily Herald*, Sunday, October 7, 2007.
- "Fischer Farm Harkens Back to Early DuPage County," *Elmhurst Press*, May 30, 2008.
- "Fischer Farm Getting Ready to Host Annual Heritage Day," *Elmhurst Press*. September 26, 2008.



**EDUCATION****University of Illinois Chicago, Chicago, Illinois**

Graduate Student in Civil Engineering

**Stanford University, Stanford, California**

B.S. in Earth Systems, 2009

**BIOGRAPHY**

John currently heads up Plant Chicago, a not-for-profit organization with the mission of developing circular economies of food production, energy conservation and material re-use; empowering people of all backgrounds to make their cities healthier and more efficient.

John is at the forefront in directing Plant Chicago to further its mission by setting and implementing strategic goals, including

1. Become the preeminent institution for research and development of novel closed-loop food, energy and waste re-use models
2. Facilitate tangible new business growth by freely distributing and promoting developed models of urban agricultural development, closed-loop technologies and business implementation.
3. Educate local communities about the benefits and relevancy of circular economies through interactive, hands-on engagement.

ecology + vision, llc is honored to include Mr. Mulrow as a sub-consultant on our project team.

**POSITIONS HELD:**

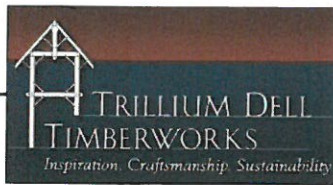
- Interim Executive Director – Plant Chicago (NFP), Chicago, Illinois. 2015 - Present
- Business/Industrial Sustainability Specialist – Illinois Sustainable Technology Center, UIUC Oak Brook, Illinois. 2013-2014
- Associate – Cascadia Consulting Group, Inc., San Jose, California. 2010-2013
- 2 additional professional positions

ecology + vision, llc  
Stellwagen Family Farm Master Plan RFP  
Village of Orland Park, Illinois

**AWARDS AND HONORS:**

- MAP Sustainable Energy Fellow (2009-2010)
- William W. Whitley Citizen Scholar Prize – Stanford School of Earth Sciences (2009)
- Dean's Award for Academic Achievement – Stanford School of Earth Sciences (2009)
- Summer Fellow – Haas Center for Public Service (2008)
- Next Generation Recycler of the Year – California Resource Recovery Association (2008)

*~Page Intentionally Left Blank~*



## RICK COLLINS

### Historic Building Specialist

#### **EDUCATION**

##### **Stanford Univeristy, Stanford, California**

B.S. in Forest Science, University of Illinois, Champaign-Urbana, Illinois

#### **BIOGRAPHY**

Rick Collins is a master carpenter, metalworker, mechanic, timber structural expert, educator, writer, historian and farmer. He has a strong commitment to the preservation and continuation of our built and natural heritage.

One of only 26 registered Journeyworkers in North America; Rick has intensively studied the methods and tooling used by Europeans who settled the Midwest from the 1600s through the 1800s. These studies have led him to travel extensively throughout the US and Europe over the last two decades, and offered the opportunity to work and learn with some of the greatest master builders, craftspeople, and building historians in both continents. Rick's timberframing business focuses on pre-industrial revolution construction methods and techniques. His interest in history, mastery of traditional tooling and techniques, and decades of experience as a builder allow him a unique perspective that bridges many disciplines.

ecology + vision, llc is honored to include Mr. Collins as a sub-consultant on our project team.

#### **POSITIONS HELD:**

- Owner – Trillium Dell Timber Frames, Knoxville, Illinois. 1999 to present
- Owner – Old Blue Construction, Knoxville, Illinois. 1995 to present
- Forest Technician Intern – Vermillion County Conservation. 1993 to 1995

#### **PROFESSIONAL AFFILIATIONS:**

- President, Board of Directors, Timber Framers Guild 2003-2009
- Vice President, Board of Directors, Timber Framers Guild 2008
- Treasurer, Board of Directors, Timber Framers Guild 2007
- Member, Timber Frame Journey Worker/Apprenticeship Program 2010-present
- Timber Framers Guild 1998-present
- Timber Frame Business council 2000-present
- Illinois Barn Alliance 2000-present
- National Barn Alliance 2000-present
- Michigan Barn Alliance 2000-present
- Kansas Barn Alliance 2000-present
- Minnesota Barn Alliance 2000-present
- Illinois Forestry Association 2000-present
- Illinois Walnut Council 2000-present
- Certified Timber Buyer 2003-present
- Society of American Foresters 1994-present

#### **CERTIFICATIONS:**


- Class IV & V Forklift License
- 30 Ton Crane License
- Certified MIG/ARC Welder
- Certified Journeyworker/Timberframer
- Certified Scaffold Card Holder
- Certified Mobile Elevated Work Platform Card Holder
- Lead Safety Certificate

*~Page Intentionally Left Blank~*

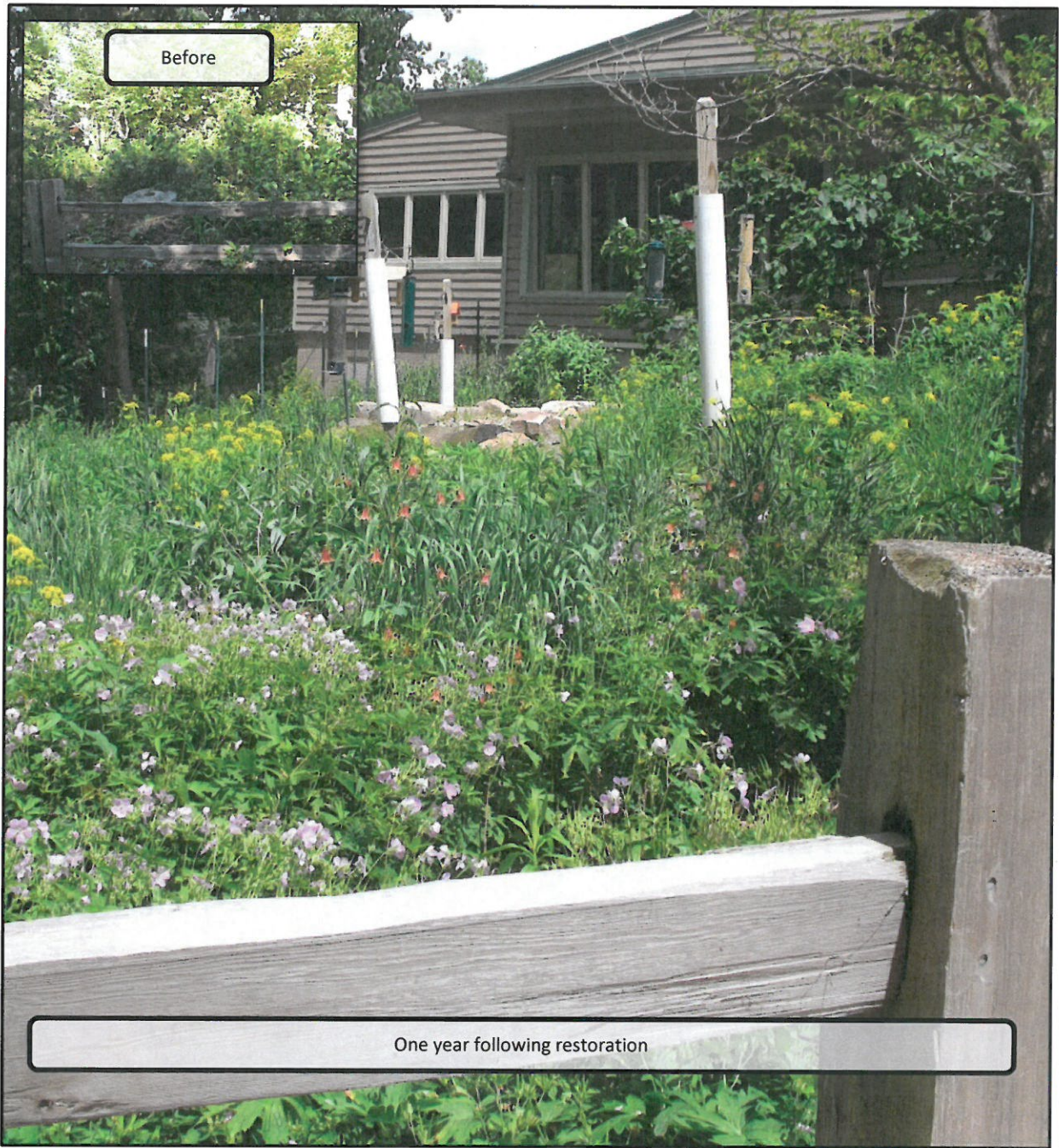


## **Appendix B – Project References**

*~Page Intentionally Left Blank~*

<b>Project Title:</b> Anita Purves Nature Center	<b>Time Period:</b> 2012
<b>Location of the Project:</b> Urbana, Illinois	<b>Period of Firm's Involvement:</b> 2012-2013
<b>Total Dollar Value of the Project:</b> \$10,000	<b>Total Fee Received by Firm:</b> \$10,000
<b>Role of the Firm:</b> Conceptual Design Restoration Planning Construction Documents Construction Administration/Observation	<b>Reference Information:</b> Urbana Park District ATTN: Derek Liebert daliebert@urbanaparks.org (217) 417-1120
<b>Brief description of the project:</b>  Conducted conceptual design, design development, and completion of full bidding documents for the Urbana Park District's Anita Purves Nature Center Habitat Garden. The project consists of a 2 acre parcel surrounding the Nature Center, bounded by the Saline Drainage Channel, and also serves as the access point to Busey Woods, a 59 acre woodland that contains high-quality remnant areas of woodland, savanna, prairie, wetland, and riparian ecosystems. The Habitat Garden has been designed with an emphasis on attracting songbirds to the garden through the selection of species that feed birds directly through their fruit and/or seed as well as species that are hosts for caterpillars and insects, a main food source for songbirds. ecology + vision, llc also designed an innovative water feature with a natural aesthetic that serves as an over-sized bird bath in close proximity to the bird viewing room of the nature center in order to maximize bird activity within the viewing area.	
	







<b>Project Title:</b> Tinley Park Naturalized Basins	<b>Time Period:</b> 2010-present
<b>Location of the Project:</b> Tinley Park, Illinois	<b>Period of Firm's Involvement:</b> 2010-present
<b>Total Dollar Value of the Project:</b> \$250,000	<b>Total Fee Received by Firm:</b> \$25,000
<b>Role of the Firm:</b> Site Assessments Invasive Species Control Specifications Plant Establishment & Maintenance Planning Monitoring and Reporting	<b>Reference Information:</b> Site Design Group, Ltd. ATTN: Mitch Murdock, Project Manager 888 S. Michigan Ave., Suite 1000, Chicago, IL (312) 427-7240 mitchell.murdock@site-design.com

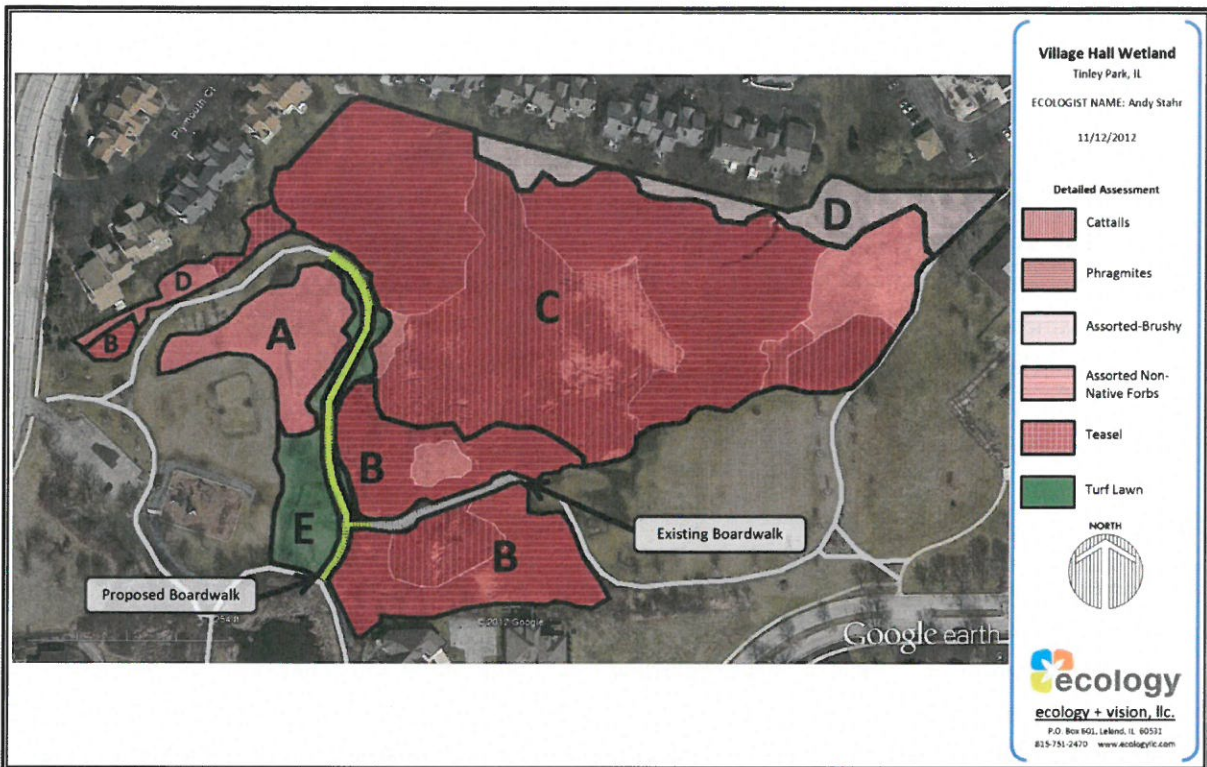
**Brief description of the project:**

ecology + vision, llc has conducted detailed inventories of existing vegetation for multiple naturalized plantings, all of which are properties owned by the Village of Tinley Park. The project includes detailed vegetative inventories, critical analysis regarding the quality of natural vegetation and its distribution throughout the properties, recommendations for ecological restoration, and recommendations for phasing with specific cost estimates for restoration and long-term stewardship of the natural areas.



Areas inventoried in favorable condition







<b>Project Title:</b> Crow Island and Bell Woods	<b>Time Period:</b> 2011
<b>Location of the Project:</b> Winnetka, IL	<b>Period of Firm's Involvement:</b> 2011
<b>Total Dollar Value of the Project:</b> \$10,000	<b>Total Fee Received by Firm:</b> \$10,000
<b>Role of the Firm:</b> Site Assessments Invasive Species Control Specifications Plant Establishment & Maintenance Planning	<b>Reference Information:</b> Winnetka Park District ATTN: Robert Smith, Executive Director 540 Hibbard Rd, Winnetka, IL (847) 501-2040

**Brief description of the project:**

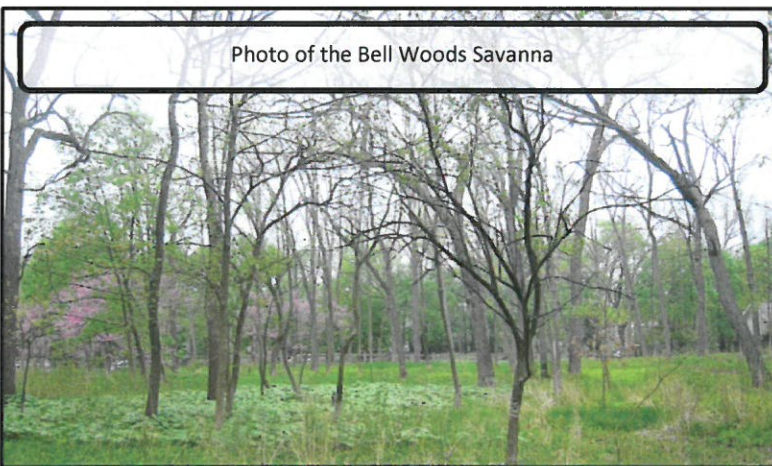
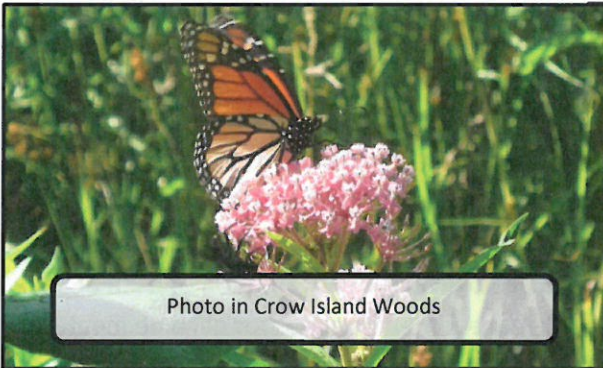
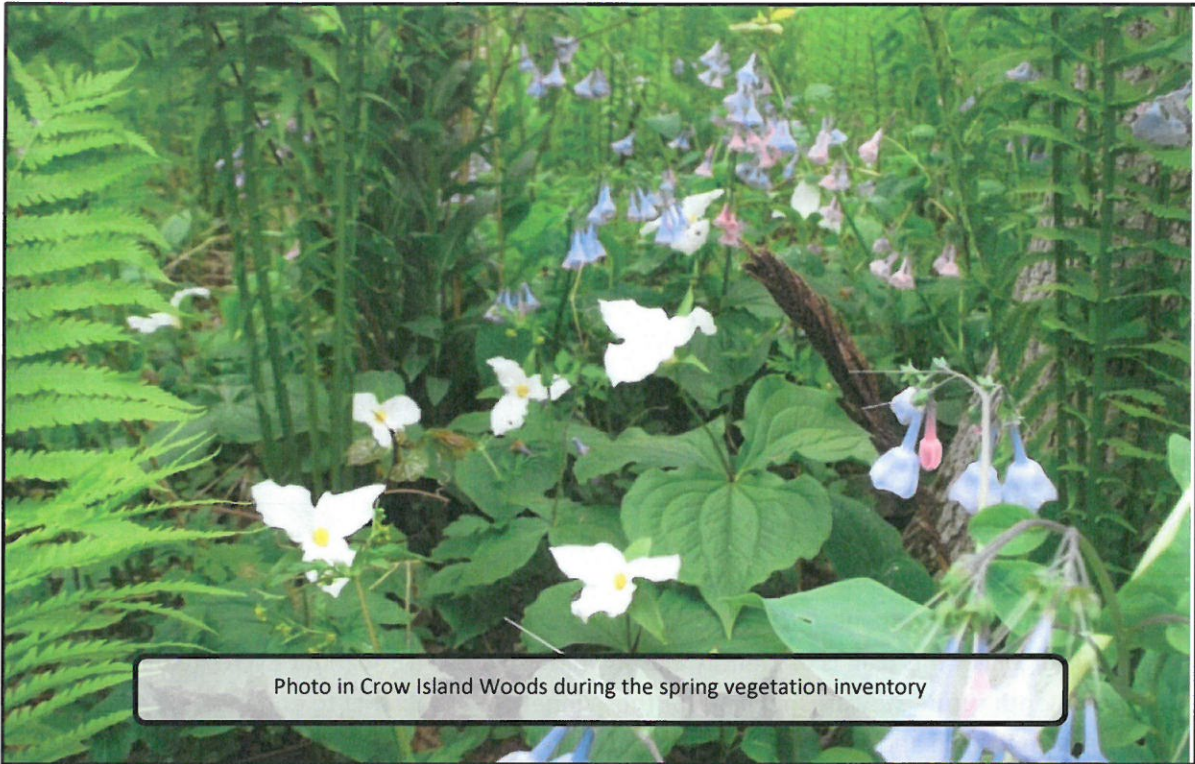
ecology + vision, llc was contracted to prepare a Natural Areas Master Plan for future ecological restoration and management of the Bell Woods and Crow Island natural areas for the Winnetka Park District. The goal of this plan is to identify existing natural areas throughout each site and to identify a thirty-six month future stewardship plan for the Winnetka Park District to enhance/expand the historical significance and ecological diversity on each site. In addition, this plan will identify sites that can be converted from un-sustainable, high-maintenance and chemical intensive landscape treatments to sustainable, low-maintenance landscapes while maintaining or enhancing usability and appropriate aesthetics.

The scope of work included conducting three botanical surveys throughout 2011 in order to accurately collect existing vegetation data, extensive historical ecosystem research & assessment to ensure restoration recommendations are in line with historical ecosystems on-site, delineation of existing ecosystems, mapping of existing ecosystems, in-depth ecological health evaluation of each delineated ecosystem and development of detailed restoration & management regimes for each delineated ecosystem, including a photo inventories with identification descriptions for use by District staff & volunteers.

Botanical surveys identified high-quality remnant ecosystems in both parks with FQI values exceeding 35.









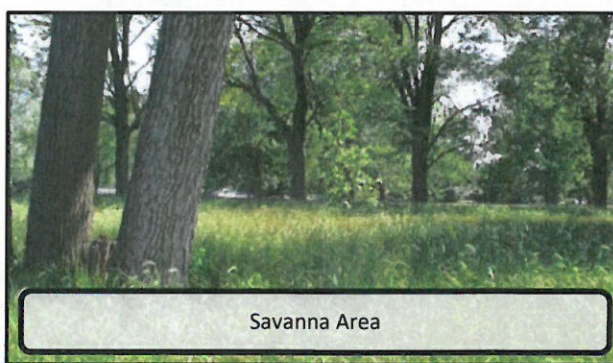
<b>Project Title:</b> Ecological Consulting Services	<b>Time Period:</b> 2011-present
<b>Location of the Project:</b> Chicago, IL	<b>Period of Firm's Involvement:</b> 2011-present
<b>Total Dollar Value of the Project:</b> \$10 million	<b>Total Fee Received by Firm:</b> \$150,000
<b>Role of the Firm:</b> Tree Inventories Floristic Inventories Site Assessment and Ecosystem Delineation Restoration Planning & Native Design Vegetation Monitoring	<b>Reference Information:</b> Chicago Park District c/o Pizzo & Associates, Ltd. ATTN: Roger Wiese, CPD Contract Manager 4100 Long Avenue, Chicago, IL (815) 826-0453

**Brief description of the project:**

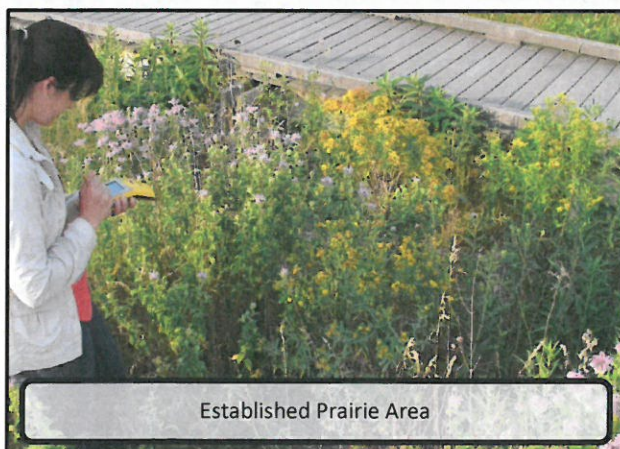
ecology + vision, llc has been contracted through the District Natural Areas Management Contractor to provide as-needed ecological consulting services. Various services have been conducted since the project began in 2011, including but not limited to: developing a monitoring and reporting protocol for all Chicago Park District natural area sites; multiple tree inventories including at the sensitive Montrose Bird Sanctuary site; multiple floristic inventories including the ecologically complex South Shore Nature Sanctuary containing dunes, wetland, prairie, savanna and woodland; and several native garden designs including the Peace Garden woodland garden restoration, an original Caldwell/Jensen park.



Wetland Area



Savanna Area

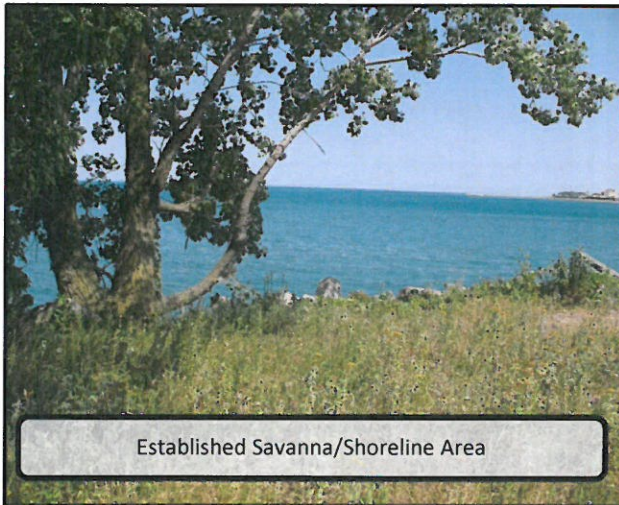


Established Prairie Area



Newly Planted Prairie Area

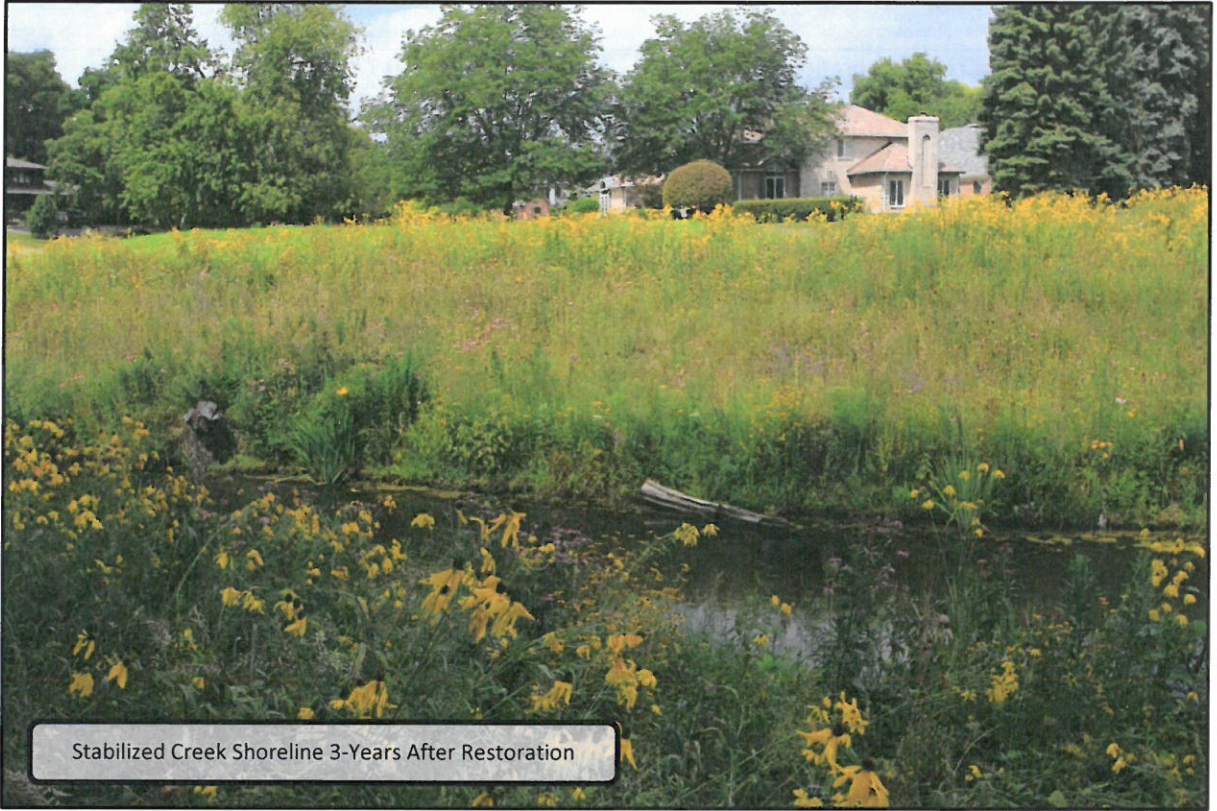




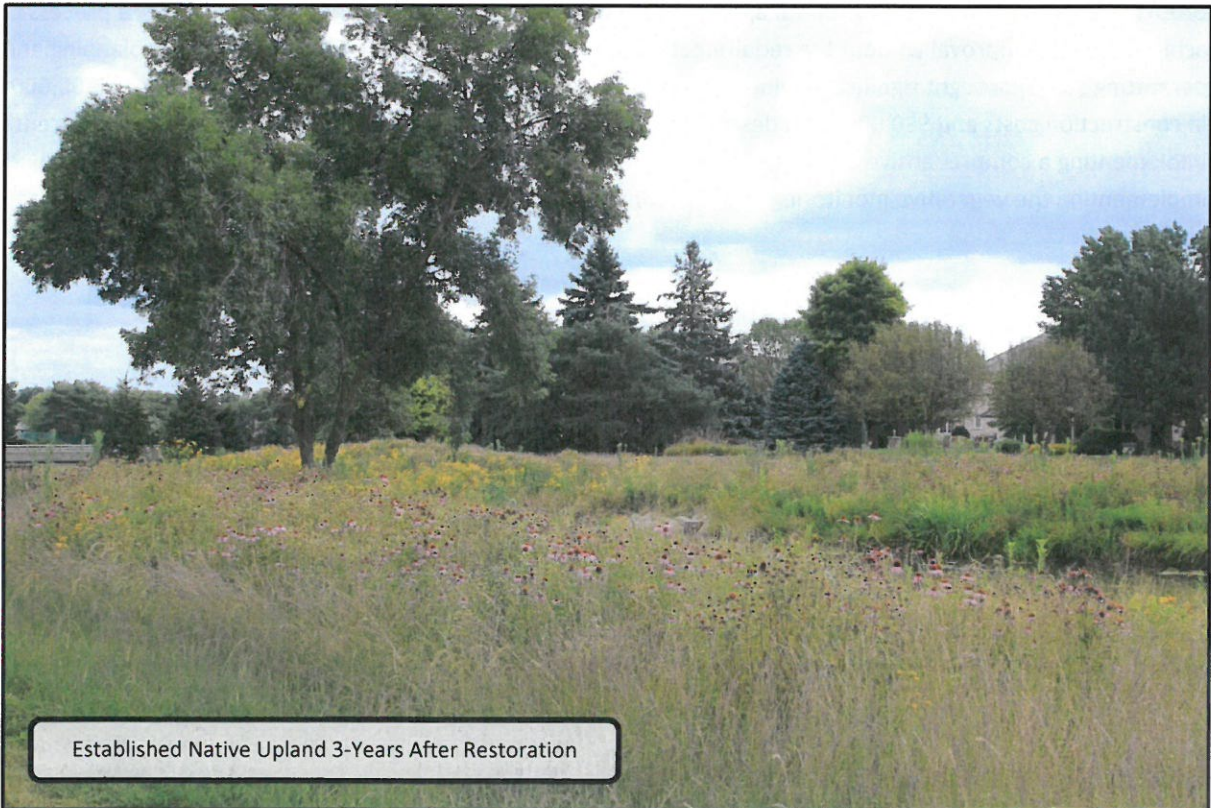


<b>Project Title:</b> Ginger Creek Restoration	<b>Time Period:</b> 2012-present
<b>Location of the Project:</b> Oak Brook, Illinois	<b>Period of Firm's Involvement:</b> 2012-present
<b>Total Dollar Value of the Project:</b> \$250,000 budget	<b>Total Fee Received by Firm:</b> \$10,000
<b>Role of the Firm:</b> Permitting Plant Establishment & Maintenance Planning Construction Observation Vegetation Monitoring/Reporting	<b>Reference Information:</b> Brook Forest Homeowner's Association ATTN: Dennis Brugh, Property Manager Oak & Dale Properties, Inc. (630) 323-8810x204
<b>Brief description of the project:</b>  <p>The Brook Forest Shoreline Stabilization site is located along Ginger Creek between Midwest Road and Regent Drive, in Oak Brook, IL. The project encompasses two pond shorelines and two stretches of Ginger Creek shoreline. The ponds are formed by two existing in-stream dams. Bank erosion within the ponds and channel segments has caused severe undercutting, due to water level fluctuations, erosive velocities, Canada Goose populations, ice sheer and inappropriate vegetation. This portion of Ginger Creek contains regulatory floodplain and floodway areas that required permitting through the Village of Oak Brook, a full-waiver community that conducts required County &amp; Army Corps of Engineers permit review in-house. <i>ecology + vision, llc</i> (<i>ecology</i>) worked with the design engineer to simplify their proposed design of extensive soil-lifts and vegetated rock toe, ultimately resulting in a re-design that stabilized approximately of 3,000 linear feet of shoreline, using simple grading techniques, native vegetation and drastically reduced bioengineering measures, such as coir fiber rolls and vegetated rock toe within the higher velocity area downstream of the second dam. <i>ecology</i> also joined with the design engineer and the Brookforest HOA in discussions with DuPage County in order to "fast-track" the permitting process, a process that achieved permit approval without the requirement of an FEQ model. <i>ecology's</i> involvement in the planning and permitting stages brought significant value to the project, saving the Brookforest HOA approximately \$300,000.00 in construction costs and \$50,000.00 in design fees. Pizzo &amp; Associates, Ltd. installed the project and is currently implementing a comprehensive 3-year stewardship, monitoring and reporting agreement with the HOA. <i>ecology</i> is implementing the vegetative monitoring and reporting required by the County of DuPage.</p>	
<div>  <p>Shoreline Before Restoration</p> </div> <div>  <p>Shoreline 3-Years After Restoration</p> </div>	





Stabilized Creek Shoreline 3-Years After Restoration



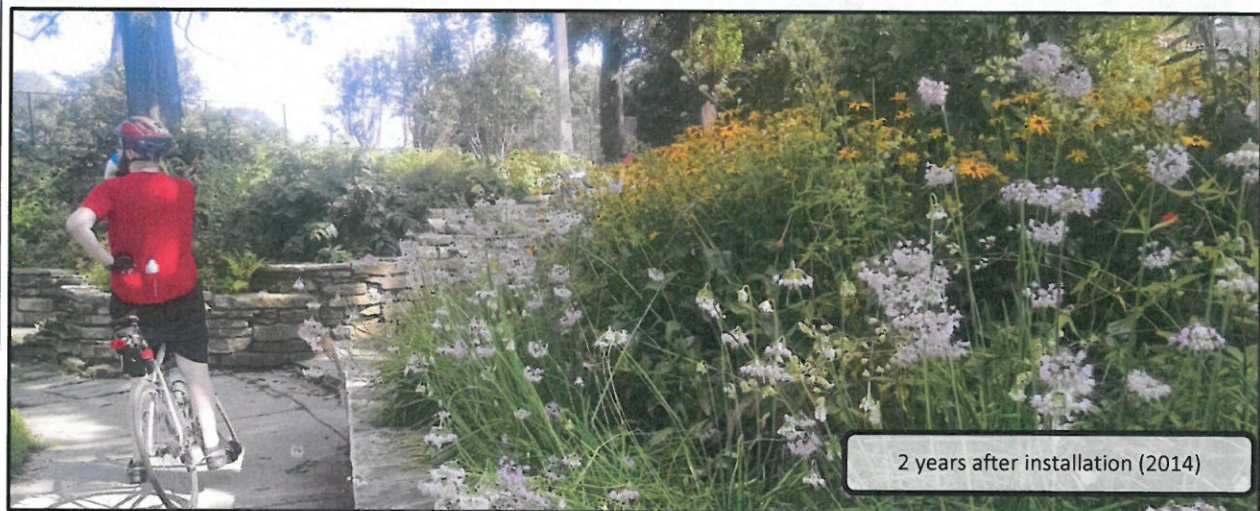
Established Native Upland 3-Years After Restoration



<b>Project Title:</b> Peace Garden Landscape Restoration	<b>Time Period:</b> 2012
<b>Location of the Project:</b> Chicago, Illinois	<b>Period of Firm's Involvement:</b> 2012
<b>Total Dollar Value of the Project:</b> \$85,000 budget	<b>Total Fee Received by Firm:</b> \$4,000
<b>Role of the Firm:</b> Landscape Architecture (Landscape Plans & Specs) Construction Observation	<b>Reference Information:</b> Chicago Park District ATTN: Zhanna Yermakov (312) 742-4122

**Brief description of the project:**

The Peace Garden is one acre in size and is located north of Lincoln Park. The original design for the garden was unsigned but is attributed to either landscape architect Alfred Caldwell or his Park District predecessor, Jens Jensen. Before ecology + vision, llc's (*ecology*) involvement the garden consisted of a shady sunken garden, with walls of limestone ledges and a trickling waterfall fit snugly into a sloping, sparsely vegetated landscape. *ecology* advised the Park District on select tree removals and/or structural pruning in order to allow dappled light to the understory and developed a landscape plan utilizing plant species known to be native to Cook County prior to European settlement. Overall, *ecology* conducted conceptual design, design development and completion of full bidding documents for the landscape restoration.. The Park District required immediate impact; therefore a balanced mixture of gallon, quart and potted native plant material was utilized. This added a layer of complexity to the project having to ensure that any native plant material specified for the garden was available commercially and furthermore available in gallon size containers.







**Appendix C – Required Project Forms**



*~Page Intentionally Left Blank~*

PROPOSAL SUMMARY SHEET

RFP #15-007 - Stellwagen Family Farm Master Plan

Project Name

IN WITNESS WHEREOF, the parties hereto have executed this proposal as of date shown below.

Organization Name: ecology + vision, llc

Street Address: 136 RAILROAD STREET, PO BOX 601


City, State, Zip: LELAND IL 60531

Contact Name: ANDY STAHLE

Phone: 815-981-8003 Fax: 815-498-4406

E-Mail address: andys@ecologyllc.com

FEIN#: 45-4333409

Signature of Authorized Signee: 

Title: PRINCIPAL

Date: 02/26/2015

ACCEPTANCE: This proposal is valid for ninety (90) calendar days from the date of submittal.

### AFFIDAVIT OF COMPLIANCE

The certifications set forth in this Affidavit shall become a part of any contract awarded to the Proposer. Proposer shall comply with these certifications during the performance of the contract.

The undersigned ANDY STAHR, as PRINCIPAL  
(Print Name) (Title)  
and on behalf of ecology + vision, llc certifies that:  
(Proposer)

#### BUSINESS ORGANIZATION:

The form of business organization of the Proposer is (check one):

☐ Sole Proprietor ☒ LLC  
☐ Partnership ☐ Independent Proposer (Individual)  
☐ Corporation

☐ If Proposer is a corporation, indicate the state and date of incorporation:

Federal Employer I.D.# (or Social Security # if an individual/sole proprietor): 454333409

Indicate if the corporation is authorized to do business in Illinois: Yes ☒ No ☐

ELIGIBILITY TO ENTER INTO PUBLIC CONTRACTS: Yes ☒ No ☐

The Proposer is eligible to enter into public contracts, and is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3, or 33E-4 of the Illinois Criminal Code, or of any similar offense of "bid-rigging" or "bid-rotating" of any state or of the United States.



**SEXUAL HARRASSMENT POLICY:**    Yes ☒ No [ ]

The Proposer has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4) and includes, at a minimum, the following information: (I) the illegality of sexual harassment; (II) the definition of sexual harassment under State law; (III) a description of sexual harassment, utilizing examples; (IV) the vendor's internal complaint process including penalties; (V) the legal recourse, investigative and complaint process available through the Department ( of Human Rights) and the Commission (Human Rights Commission); (VI) directions on how to contact the Department and Commission; and (VII) protection against retaliation as provided by Section 6-101 of the Act. (Illinois Human Rights Act). (emphasis added)

**EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE:**    Yes ☒ No [ ]

During the performance of this Project, Awardee will comply with the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, et seq. In the event of the Awardee's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Right Act, or the Rules and Regulations for Public Contracts of the Department of Human Rights the Awardee may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this agreement may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

Awardee agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Agreement, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status,

national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.

**D.** That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations for Public Contract.

**E.** That it will submit reports as required by the Department's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.

**F.** That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.

**G.** That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Agreement obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Vendor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Vendor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

"Subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Vendor and any person under which any portion of the Vendor's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract", however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Vendor or other organization and its customers.

TAX CERTIFICATION: Yes ☒ No ☐

Proposer is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is: (a) it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or (b) it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

**AUTHORIZATION & SIGNATURE:**

I certify that I am authorized to execute this Affidavit of Compliance on behalf of the Proposer set forth on the Proposal Summary Sheet, that I have personal knowledge of all the information set forth herein and that all statements, representations and information provided in or with this Affidavit are true and accurate.

**ACKNOWLEDGED AND AGREED TO:**

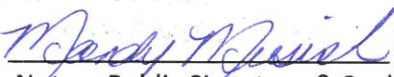
  
Signature of Authorized Officer

ANDY STAHR  
Name of Authorized Officer

PRINCIPAL  
Title

02/26/2015  
Date

Subscribed and Sworn To  
Before Me This 26<sup>th</sup> Day  
of February, 2015.


  
Notary Public Signature & Seal

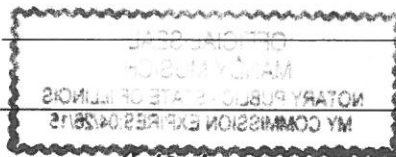




## REFERENCES

Please provide three (3) references where you have performed similar work as outlined in this RFP.

ORGANIZATION	<u>ROCHELLE COMMUNITY PARK DISTRICT</u>
ADDRESS	<u>735 NORTH 2ND STREET</u>
CITY, STATE, ZIP	<u>ROCHELLE, IL 61068</u>
PHONE NUMBER	<u>815-562-7813</u>
CONTACT PERSON	<u>ERIC CHRISTENSEN</u>
DATE OF PROJECT	<u>2013 - SKARE PARK ECOLOGICAL MSTR PLAN</u>
ORGANIZATION	<u>VILLAGE OF TINLEY PARK</u>
ADDRESS	<u>16250 S. OAK PARK AVE</u>
CITY, STATE, ZIP	<u>TINLEY PARK, IL 60477</u>
PHONE NUMBER	<u>708-444-5520</u>
CONTACT PERSON	<u>KELLY BORAK</u>
DATE OF PROJECT	<u>2012 - PRESENT (SITE ASSESSMENTS &amp; ECOLOGICAL RESTORATION PLANNING)</u>
ORGANIZATION	<u>BLOOMINGDALE PARK DISTRICT</u>
ADDRESS	<u>172 S. CIRCLE AVE</u>
CITY, STATE, ZIP	<u>BLOOMINGDALE, IL 60108</u>
PHONE NUMBER	<u>630-529-3650</u>
CONTACT PERSON	<u>JOE POTTS</u>
DATE OF PROJECT	<u>2014 - ASSESSMENTS &amp; RESTORATION PLANNING</u>
Proposer's Name & Title:	<u>ANDY STATHIS, PRINCIPAL</u>
Signature and Date:	<u> 02/26/2015</u>



## INSURANCE REQUIREMENTS

*Please submit a policy Certificate of Insurance showing bidder's current coverage's*

### WORKERS COMPENSATION & EMPLOYER LIABILITY

\$500,000 – Each Accident \$500,000 – Policy Limit  
\$500,000 – Each Employee

### AUTOMOBILE LIABILITY

\$1,000,000 – Combined Single Limit

### GENERAL LIABILITY (Occurrence basis)

\$1,000,000 – Each Occurrence \$2,000,000 – General Aggregate Limit  
\$1,000,000 – Personal & Advertising Injury  
\$2,000,000 – Products/Completed Operations Aggregate

Additional Insured Endorsement & Waiver of Subrogation in favor of the Village of Orland Park

### EXCESS LIABILITY (Umbrella-Follow Form Policy)

\$10,000,000 – Each Occurrence \$2,000,000 – Aggregate

**EXCESS MUST COVER:** General Liability, Automobile Liability, Workers Compensation

### INSURANCE AGENT ERRORS AND OMISSIONS LIABILITY

Limit- \$10,000,000

(A Copy of Policy Declarations Page must be submitted with response)

Any insurance policies providing the coverages required of the Proposer, excluding Professional Liability, shall be specifically endorsed to identify "The Village of Orland Park, and their respective officers, trustees, directors, employees and agents as Additional Insureds on a primary/non-contributory basis with respect to all claims arising out of operations by or on behalf of the named insured." If the named insureds have other applicable insurance coverage, that coverage shall be deemed to be on an excess or contingent basis. The policies shall also contain a Waiver of Subrogation in favor of the Additional Insureds in regards to General Liability. The certificate of insurance shall also state this information on its face. Any insurance company providing coverage must hold an A VII rating according to Best's Key Rating Guide. Permitting the Proposer, or any subcontractor, to proceed with any work prior to our receipt of the foregoing certificate and endorsement however, shall not be a waiver of the Proposer's obligation to provide all of the above insurance.

The bidder agrees that if they are the selected Proposer, within ten days after the date of notice of the award of the contract and prior to the commencement of any work, you will furnish evidence of Insurance coverage providing for at minimum the coverages and limits described above directly to the Village of Orland Park, Denise Domalewski, Contract Administrator, 14700 S. Ravinia Avenue, Orland Park, IL 60462. Failure to provide this evidence in the time frame specified and prior to beginning of work may result in the termination of the Village's relationship with the selected bidder and the bid will be awarded to the next lowest bidder or result in creation of a new bid.

ACCEPTED & AGREED THIS 26<sup>th</sup> DAY OF FEB, 2015

Signature

ANDY STAHR, PRINCIPAL  
Printed Name & Title

Authorized to execute agreements for:

ecology + vision, llc  
Name of Company

