www.geiconsultants.com GEI Consultants, Inc.

3159 Voyager Drive, Green Bay, Wisconsin 54311

920.455.8200 fax 920.455.8225

Consulting

Engineers and

Scientists

October 18, 2017

Ms. Krista Olson, President

McDill Lake District

3317 Della Street

Stevens Point Wisconsin 54481

**RE: Proposal to Provide Professional Services**

**McDill Lake Silt Trap Dredging**

**McDill Lake, Stevens Point Wisconsin**

Dear Ms. Olson:

GEI Consultants, Inc. (GEI) has prepared this proposal for professional services in accordance with our

understanding of the goals of the McDill Lake District (District). In reviewing your request and our

discussion in the field last week, we understand that the District would like to establish a path forward

on performing a maintenance dredging of the upper end of McDill Lake for an area referred to as the

“silt trap”. This portion of the lake was established by a deep dredging in the early 2000’s and has

functioned to minimize the sediment transported into the full body of the lake. The original dredging

established a pool area and channel that had a water depth of approximately 20 feet at normal pool. The

recent bathymetric survey by the University of Wisconsin-Stevens Point shows a depth of 12 feet and

shallower for these areas.

We were provided with several permits and it appears that there is an open permit for the maintenance

dredging that was renewed in 2016 and is active for a period of 5 years. The permit does not define the

disposal process or final use for the sediments. While meeting in the field, options were discussed

including:

1. Dredge spoils placed in wooded depression adjacent to the lake and parking lot. However, this

may be a wooded wetland.

2. Dredge spoils placed adjacent to the parking lot and level with the current grade to make a

larger parking area for the winter festival on the lake and a new disc course.

3. Dredge spoils used for a Wisconsin Department of Transportation (WisDOT) project, but the

spoils must be on shore and available by early 2018 to be in the project bid.

4. Land applied to a local farm. This would require Wisconsin Department of Natural Resources

(WDNR) approval.

The disposal route for the spoils will be required for the bidding of the project so that the volumes can

be matched to the construction costs. GEI did a preliminary evaluation of the recent bathymetric survey

compared to the original silt trap depths. The silt trap circle area is approximately 1.4 acres in size and

would need approximately 10 feet of dredging to be equal to the earlier depths, this results in

approximately 22,500 cubic yards of material. If the channel was included that would generate another

50,000 cubic yards of material for a total of 72,500 cubic yards. We do not know if this would provide

for the desired 20-year capacity the District is hoping for. That would require modeling of the

watershed and review of development plans upstream of the silt trap.

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The near shore park area being used as a disc golf course has approximately 2.4 acres of poor grass

surface extending southeast from the lot. This area drops approximately 10 feet in elevation from the

parking lot to the berm closer to the lake. If filled flat with the parking lot, this area could hold

approximately 20,000 cubic yards of soil. Therefore, the size of dredging project will greatly impact the

disposal options. Our proposal does not include disposal site permitting or off-site disposal

negotiations, however we can assist if the project requires those actions.

Our proposal includes a summary of the project team, anticipated scope of services and estimated

timeline for implementation of bidding and dredging.

**Project Team**

The project team will include staff with background and experience with Wisconsin dredging and

waterway projects. The project manager will be Mr. Gerald Krueger, who was involved with the design

and construction of the seepage control on the dam. Ms. Katie Unke Ehrenberg will provide assistance

on permitting and discussions with regulatory agencies. Mr. Dave Burger will be the construction

manager and provide oversight during the dredging and dewatering process. The resume for these key

staff are included as an attachment to this proposal. The GEI Madison and Green Bay staff will support

the key project staff as needed with design, drafting, and inspection services.

**Scope of Work**

***Project Understanding***

It is our understanding that the District would like the proposal to focus on the requirements to prepare a

bid document for the dredging, provide a construction cost estimate, perform oversight during the

dredging.

**Task 1 Bidding Documents**

GEI will prepare the bid documents for the restoration of the silt trap and channel to reflect the quantity

of material that the District can afford to move. The preparation of the bid documents will include,

shoreline support area and staging, access to the silt trap, dredging limits and handling of the dredge

material with the assumption of stockpiling near the parking lot for off-site hauling. GEI proposes

obtaining five samples of the dredge area based on an even distribution of sampling with horizontal

spacing and depth to characterize the chemical characteristics of the material.

The documents will be prepared for an advertised bid conducted by the District and assisted by GEI.

Typically, the project would be advertised for open bids over a 3 to 4 week period. The contractors will

be provided electronic copies of the bidding documents when they register to bid. GEI will maintain the

official bidders list and provide the documents. A pre-bid meeting will be conducted at the lake by GEI

with the District and the bidders. The bids will be submitted to the District and GEI will assist in the

review to determine compliance with bidding requirements and summary of costs. The District would

then proceed with project award and notification of permission to begin work.

**Task 2 Construction Cost Estimate**

At the completion of the preparation of bidding documents, GEI will prepare an estimate of probable

construction costs for the dredging quantity and disposal option selected. Cost will be based on the

potential dredging methods and disposal option. Local contractors will be contacted to obtain recent

costs for related work.

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GEI will provide the District with a summary report and cost estimate for review prior to the

advertisement to bid so that the project size can be established based on available funding.

**Task 3 Construction Management and Oversight**

During construction GEI will provide a construction manager during the field operations to perform

oversight and conduct daily meetings with the contractor. The construction manager will review

contractor submittals, review project quantities, collect information related to permit compliance, review

invoicing, and perform verification of dredging depth. We anticipate that assistance will be required at

various times on the project and have included 50 hours of engineer, cadd technician, surveyor and

administrative support in this item. The actual cost of construction management and oversight will

depend on the contractor’s schedule, type of dredging, and the volume of work to be performed.

Therefore, we have provided an estimated weekly cost for a construction manager that can be adjusted

to match the project.

**Project Additions**

During discussions with the District, it was requested that assistance with looking for and securing

funding for the project was going to be needed or that an assessment would be required of the District

members. GEI can assist the District with applying for funding or attend meetings to describe the

project to the City of Stevens Point or other agencies. These services would be performed on a time and

materials basis decided as the applications are identified.

One potential source of funding is through WDNR under their recreational boating grants where they

provide up to a 50% cost sharing. GEI could assist the District with the preparation of an application for

the dredging and linking it to preservation of safe boating on the remaining portions of the lake. The

WDNR web site link to this grant is http://dnr.wi.gov/Aid/RBF.html.

**Assumptions**

In the preparation of the proposal, GEI has made the following assumptions. We are open to further

clarification and additional data that will further define these assumptions.

1. The bathymetric survey mapping is sufficient in detail for the bidding documents. The

shoreline work areas would require a topographic map if the disposal site is proposed for that

location. Surveying and map production for disposal area design are not included in this

proposal.

2. The District will provide documentation of site ownership and provide GEI with right of entry

authorization for performing the field work.

3. Project data from past site investigations and construction will be provide to GEI in digital

format. We can assist with setting up appropriate transfer sites for large files.

**Schedule**

GEI is available to assist with the design and bidding documents after authorization by the District and

completion of negotiation of final scope and contract requirements. The design of the dredging area and

preparation of bidding documents is anticipated to require six months due to sampling and testing of the

sediments. Bidding can normally be completed within two to three months depending on the influences

of permits. As we stated above, the construction period will be dependent on the contractor’s schedule.

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**Compensation**

The anticipated cost associated with preparation of the design and permit application is summarized in

the table below.

**Task Cost**

Dredging Design $28,000

Bidding Assistance $ 5,600

Construction Cost Estimate $ 4,200

Construction Oversight (40 hour week) $ 5,500/week

Assistance with Funding Requests (time and materials)

GEI will perform these services in accordance with the terms and conditions attached contract and Fee

Schedule. The services will be performed on a unit rate, not-to-exceed basis. We will not exceed the

above-referenced cost estimate without prior authorization.

GEI appreciates the opportunity to continue providing engineering services to the District. Please direct

any comments or questions to Mr. Michael Ruetten or Mr. David Burger at 920.455.8200.

Sincerely,

GEI CONSULTANTS, INC.

Dave Burger

Project Construction Manager

Michael G. Ruetten, PE

Vice President

Attachments:

McDill Pond Silt Pond Dredging Figure

Standard Professional Services Agreement

GEI Rate Schedule

Staff Resumes

MGR:cah

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**STANDARD PROFESSIONAL SERVICES AGREEMENT**

**1. AGREEMENT.**

This Agreement is made and entered into by and between

McDill Lake District, 3317 Della Street, Stevens Point, Wisconsin 54481 and

GEI Consultants, Inc., 3159 Voyager Drive, Green Bay, Wisconsin 54311

By this Agreement, the parties do mutually agree as follows:

**2. SCOPE OF SERVICES.**

GEI shall perform the services described herein and in **Exhibit A**.

**3. EFFECTIVE DATE.**

The effective date of this Agreement shall be the latter of the acceptance dates indicated in

Article 16, Acceptance. Acceptance of this Agreement by both parties shall serve as GEI’s Notice to

Proceed with the services described in **Exhibit A**.

**4. TIMES FOR RENDERING SERVICES.**

a) GEI shall endeavor to perform the services under this Agreement in an orderly and efficient

manner, consistent with the schedule or milestone dates provided in **Exhibit A**.

b) GEI shall not be responsible for delays caused by factors beyond GEI’s reasonable control.

When such delays beyond GEI’s reasonable control occur, CLIENT agrees that GEI shall not be

responsible for damages, nor shall GEI be deemed in default of this Agreement.

**5. COMPENSATION.**

a) CLIENT agrees to pay GEI in accordance with the payment terms provided in **Exhibit B**.

b) GEI will submit invoices monthly or upon completion of a specified scope of service in

accordance with GEI’s standard invoicing practices, or as otherwise provided in **Exhibit B**.

c) Payment is due upon receipt of the invoice. Payments will be made by either check or

electronic transfer to the address specified by GEI, and will reference GEI’s invoice number.

d) Interest will accrue at the rate of 1% per month of the invoiced amount in excess of 30 days past

the invoice date, or as otherwise provided in **Exhibit B**.

e) In the event of a disputed or contested invoice, only that portion so contested will be withheld

from payment, and the undisputed amounts will be paid.

**6. PERFORMANCE STANDARDS.**

a) GEI will perform its services under this Agreement in a manner consistent with that degree of

skill and care ordinarily exercised by members of GEI’s profession currently practicing in the

same locality under similar conditions. GEI makes no other warranties or representations, either

expressed or implied, regarding the services provided hereunder.

b) GEI shall correct deficiencies in services or documents provided under this Agreement without

additional cost to CLIENT; except to the extent that such deficiencies are directly attributable to

deficiencies in CLIENT-furnished information.

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c) Unless otherwise specifically indicated in writing, GEI shall be entitled to rely, without liability,

on the accuracy and completeness of information provided by CLIENT, CLIENT’s consultants and

contractors, and information from public records, without the need for independent

verification.

**7. INSURANCE.**

a) GEI will carry the types and amounts of insurance in the usual form as provided in **Exhibit C**.

b) Upon written request of CLIENT, GEI will furnish Certificates of Insurance indicating the required

coverages and conditions.

**8. ALLOCATION OF RISKS.**

a) Indemnification. To the fullest extent permitted by law, GEI agrees to indemnify and hold

CLIENT harmless from and against any liabilities, claims, damages, and costs (including

reasonable attorney’s fees) to the extent caused by the negligence or willful misconduct of GEI

in the performance of services under this Agreement.

b) Limitation of Liability. To the fullest extent permitted by law, the total liability, in the aggregate,

of GEI and its officers, directors, employees, agents, and independent professional associates

and consultants, and any of them, to CLIENT and any one claiming by, through, or under CLIENT,

for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any

way related to GEI's services, the project, or this Agreement, will not exceed the total

compensation received by GEI under this Agreement, or available proceeds from GEI’s

insurance, whichever is less. This limitation will apply regardless of legal theory, and includes

but is not limited to claims or actions alleging negligence, errors, omissions, strict liability,

breach of contract, breach of warranty of GEI or its officers, directors, employees, agents, or

independent professional associates or consultants, or any of them. CLIENT further agrees to

require that all contractors and subcontractors agree that this limitation of GEI’s liability extends

to include any claims or actions that they might bring in any forum.

c) Consequential Damages. GEI and CLIENT waive consequential damages, including but not

limited to damages for loss of profits, loss of revenues, and loss of business or business

opportunities, for claims, disputes, or other matters in question arising out of or relating to this

Agreement.

**9. CONFIDENTIALITY.**

a) Unless compelled by law, governmental agency or authority, or order of a court of competent

jurisdiction, or unless required pursuant to a subpoena deemed by GEI to be duly issued, or

unless requested to do so in writing by CLIENT, GEI agrees it will not convey to others any

proprietary non-public information, knowledge, data, or property relating to the business or

affairs of CLIENT or of any of its affiliates, which is in any way obtained by GEI during its

association with CLIENT. GEI further agrees to strive to limit, to a "need to know" basis, access

by its employees to information referred to above.

b) Unless compelled by law, governmental agency or authority, or order of a court of competent

jurisdiction, or unless required pursuant to a subpoena deemed by CLIENT to be duly issued,

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CLIENT will not release to its employees or any other parties any concepts, materials, or

procedures of GEI deemed by GEI to be proprietary and so explained to CLIENT.

**10. OWNERSHIP OF DOCUMENTS.**

Drawings, diagrams, specifications, calculations, reports, processes, computer processes and

software, operational and design data, and all other documents and information produced in

connection with the project as instruments of service (Project Documents), regardless of form, will

be confidential and the proprietary information of GEI, and will remain the sole and exclusive

property of GEI whether the project for which they are made is executed or not. CLIENT retains the

right to use Project Documents for the furtherance of the project consistent with the express

purpose(s) of the Project Documents, and for CLIENT’s information and reference in connection with

CLIENT’s use and occupancy of the project. Any use of Project Documents for purposes other than

those for which they were explicitly prepared shall be at CLIENT’s sole risk and liability. CLIENT

agrees to defend, indemnify, and hold GEI harmless from and against any claims, losses, liabilities,

and damages arising out of or resulting from the unauthorized use of Project Documents.

**11. TERMINATION AND SUSPENSION.**

a) This Agreement may be terminated by CLIENT for any reason upon 10 days written notice to

GEI.

b) This Agreement may be terminated by GEI for cause upon 30 days written notice to CLIENT.

c) In the event that this Agreement is terminated for any reason, CLIENT agrees to remit just and

equitable compensation to GEI for services already performed in accordance with this

Agreement, subject to the limitations given in this Article 11, Termination and Suspension.

d) In the event Client terminates this Agreement for cause, in determining just and equitable

compensation to GEI for work already performed, CLIENT may reduce amounts due to GEI by

amounts equal to additional costs incurred by CLIENT to complete the Agreement scope. Such

additional costs incurred by CLIENT may include but are not limited to: (1) the additional costs

incurred by CLIENT to engage another qualified consultant to complete the unfinished scope;

and (2) CLIENT’s labor costs and expenses to demobilize and remobilize its personnel to the site

to coordinate with the new consultant.

e) GEI may suspend any or all services under this Agreement if CLIENT fails to pay undisputed

invoice amounts within 90 days following invoice date, by providing a 10-day written notice to

CLIENT, until payments are restored to a current basis. In the event GEI engages counsel to

enforce overdue payments, CLIENT will reimburse GEI for all reasonable attorney's fees and

court costs related to enforcement of overdue payments, provided that CLIENT does not have a

good faith dispute with the invoice. CLIENT will indemnify and save GEI harmless from any claim

or liability resulting from suspension of the work due to non-current, undisputed payments.

**12. DISPUTE RESOLUTION.**

Both parties agree to submit any claims, disputes, or controversies arising out of or in relation to the

interpretation, application, or enforcement of this Agreement to non-binding mediation pursuant to

the Rules for Commercial Mediation of the American Arbitration Association, as a condition

precedent to litigation or any other form of dispute resolution.

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**13. GENERAL CONSIDERATIONS.**

a) Authorized Representatives. The following individuals are authorized to act as CLIENT’s and

GEI’s representatives with respect to the services provided under this Agreement:

For Client: Ms. Krista Olson, President

3317 Della Street

Stevens Point, Wisconsin 54481

For GEI: Mr. Michael G. Ruetten, P.E.

3159 Voyager Drive

Green Bay, Wisconsin 54311

b) Nothing in this Agreement shall be construed as establishing a fiduciary relationship between

Client and GEI.

c) Notices. Any notice required under this Agreement will be in writing, submitted to the

respective party’s Authorized Representative at the address provided in this Article 13, General

Considerations. Notices shall be delivered by registered or certified mail postage prepaid, or by

commercial courier service. All notices shall be effective upon the date of receipt.

d) Controlling Law. This Agreement is to be governed by the laws of the Commonwealth of

Massachusetts.

e) Survival. All express representations, indemnifications, or limitations of liability included in the

Agreement will survive its completion or termination for any reason. However, in no event shall

indemnification obligations extend beyond the date when the institution of legal or equitable

proceedings for professional negligence would be barred by an applicable statute of repose or

statute of limitations.

f) Severability. Any provision or part of this Agreement held to be void or unenforceable under

any law or regulation shall be deemed stricken, and all remaining provisions shall continue to be

valid and binding upon GEI and CLIENT.

g) Waiver. Non-enforcement of any provision by either party shall not constitute a waiver of that

provision, nor shall it affect the enforceability of that provision or of the remainder of this

Agreement.

h) Headings. The headings used in this Agreement are for general reference only and do not have

special significance.

i) Certifications. GEI shall not be required to sign any documents, no matter by whom requested,

that would result in GEI having to certify, guaranty, or warrant the existence of conditions or the

suitability or performance of GEI's services or the project, that would require knowledge,

services or responsibilities beyond the scope of this Agreement.

j) Third Parties. Nothing contained in this Agreement shall create a contractual relationship with,

or a cause of action in favor of, a third party against either CLIENT or GEI. GEI's services

hereunder are being performed solely for the benefit of CLIENT, and no other entity shall have

any claim against GEI because of this Agreement or GEI's performance of services hereunder.

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**14. ADDITIONAL PROVISIONS.**

a) If Field Services are provided under this Agreement, the additional provisions included in

**Exhibit D** shall apply. Field Services are defined as services performed on property owned or

controlled by CLIENT, any federal, state, or local government or governmental agency, or other

third party, and include, but are not limited to: site inspection, site investigation, subsurface

investigation, sample collection, or sample testing.

b) If the services of a Licensed Site Professional (LSP), a Licensed Environmental Professional (LEP),

or a Licensed Site Remediation Professional (LSRP) are provided under this Agreement, the

additional provisions included in **Exhibit E** shall apply.

c) If Engineering Design Services are provided under this Agreement, the additional provisions

included in **Exhibit F** shall apply.

d) If Opinions of Probable Construction Cost are provided under this Agreement, the additional

provisions included in **Exhibit G** shall apply.

e) If Construction Services are provided under this Agreement, the additional provisions included

in **Exhibit H** shall apply.

**15. EXHIBITS.**

The following Exhibits are attached to and made a part of this Agreement:

\_\_ Exhibit A, Scope of Services and Schedule

\_\_ Exhibit B, Payment Terms

\_\_ Exhibit C, Insurance

\_\_ Exhibit D, Special Provisions for Field Services

\_\_ Exhibit E, Special Provisions for Services of Licensed Site/Environmental/Remediation

Professionals

\_\_ Exhibit F, Special Provisions for Engineering Design Services

\_\_ Exhibit G, Special Provisions for Opinions of Probable Construction Costs

\_\_ Exhibit H, Special Provisions for Construction Services

(Check all that apply; strike all that do not apply)

**16. ACCEPTANCE.**

The parties hereto have executed this Agreement as of the dates shown below.

**For CLIENT: For GEI:**

By: By:

(Signature) (Signature)

Michael G. Ruetten, P.E.

(Print Name) (Print Name)

Vice President

(Title) (Title)

October 18, 2017

(Date) (Date)

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**STANDARD PROFESSIONAL SERVICES AGREEMENT**

**EXHIBIT A**

**Scope of Services and Schedule**

See attached Proposal to Provide Professional Services, McDill Lake Silt Trap Dredging, McDill Lake, Stevens Point

Wisconsin, dated October 18, 2017.

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**EXHIBIT B**

**Payment Terms**

See attached Fee Schedule

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**EXHIBIT C**

**Insurance**

GEI will carry the following types and amounts of insurance:

A. Worker’s Compensation and Employer’s Liability (statutory):

1. In accordance with the laws of the state(s) in which services are performed.

B. Commercial General Liability (CGL) Insurance:

1. Bodily Injury and Property Damage Combined: $1,000,000 per occurrence and in aggregate.

2. Including explosion, underground drilling excavation, and collapse hazards.

3. Including an endorsement providing Additional Insured Status to CLIENT under the policy.

C. Comprehensive Automobile Insurance:

1. Bodily Injury and Property Damage Combined: $1,000,000 per accident.

2. Includes all owned, nonowned, and hired vehicles used in connection with the services under

this Agreement.

D. Professional Liability Insurance:

1. $1,000,000 per claim and in aggregate.

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**EXHIBIT D**

**Special Provisions for Field Services**

A. Right of Entry. CLIENT agrees to furnish GEI with right-of-entry and a plan of boundaries of the site

where GEI will perform its services. If CLIENT does not own the site, CLIENT represents and warrants

that it will obtain permission for GEI’s access to the site to conduct site reconnaissance, surveys,

borings, and other explorations of the site pursuant to the scope of services in the Agreement. GEI

will take reasonable precautions to minimize damage to the site from use of equipment, but GEI is

not responsible for damage to the site caused by normal and customary use of equipment. The cost

for restoration of damage that may result from GEI's operations has not been included in GEI’s fee,

unless specifically stated in **Exhibit B**.

B. Underground structures. CLIENT will identify locations of buried utilities and other underground

structures in areas of subsurface exploration. GEI will take reasonable precautions to avoid damage

to the buried utilities and other underground structures noted. If locations are not known or cannot

be confirmed by CLIENT, then there will be a degree of risk to CLIENT associated with conducting the

exploration. In the absence of confirmed underground structure locations, CLIENT agrees to accept

the risk of any damages and losses resulting from the exploration work.

C. Presence of Hazardous Materials. If the services under this Agreement do not include services

relating to hazardous waste, oil, asbestos, or other hazardous materials, as defined by federal, state,

or local laws or regulations, and if such materials are discovered during GEI's work, CLIENT agrees to

negotiate appropriate revisions to the scope, schedule, budget, and terms and conditions of this

Agreement. When such hazardous materials are suspected, GEI will have the option to stop work,

without financial penalty, until a modification to this Agreement is made or a new Agreement is

reached. If a mutually satisfactory Agreement cannot be reached between both parties, this

Agreement will be terminated, and CLIENT agrees to pay GEI for all services rendered up to the date

of termination, including any costs associated with termination.

D. Disposal of Samples and Wastes Containing Regulated Contaminants. In the event that samples

collected by GEI or provided by CLIENT, or wastes generated as a result of site investigation

activities, contain or potentially contain substances or constituents which are or may be regulated

contaminants as defined by federal, state, or local statutes, regulations, or ordinances, including but

not limited to samples or wastes containing hazardous materials, said samples or wastes remain the

property of CLIENT and CLIENT will have responsibility for them as a generator. If set forth in the

Agreement, GEI will, at CLIENT's expense, perform necessary testing, and either (a) return said

samples and wastes to CLIENT, or (b) using a manifest signed by CLIENT as generator, have said

samples and/or wastes transported to a location selected by CLIENT for disposal. CLIENT agrees to

pay all costs associated with the storage, transport and disposal of said samples and/or wastes.

Unless otherwise provided in the Agreement, GEI will not transport, handle, store, or dispose of

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waste or samples or arrange or subcontract for waste or sample transport, handling, storage, or

disposal. CLIENT recognizes and agrees that GEI is working as a bailee and at no time assumes title

to said waste or samples or any responsibility as generator of said waste or samples.

E. Contribution of Hazardous Materials. CLIENT agrees that GEI has not contributed to the presence of

hazardous wastes, oils, asbestos, biological pollutants such as molds, fungi, spores, bacteria and

viruses, and by-products of any such biological organisms, or other hazardous materials that may

exist or be discovered in the future at the site. GEI does not assume any liability for the known or

unknown presence of such materials. GEI’s scope of services does not include the investigation or

detection of biological pollutants such as molds, fungi, spores, bacteria and viruses, and by-products

of any such biological organisms. CLIENT agrees to indemnify and hold harmless GEI, its

subconsultants, subcontractors, agents, and employees from and against all claims, damages, losses,

and costs (including reasonable attorneys’ fees) that may result from the detection, failure to

detect, or from the actual, alleged, or threatened discharge, dispersal, release, escape, or exposure

to any solid, liquid, gaseous, or thermal irritant, asbestos in any form, or contaminants including

smoke, vapor, soot, fumes, acids, alkalies, chemicals, waste, oil, hazardous materials, or biological

pollutants. CLIENT’s obligations under this paragraph apply unless such claims, damages, losses, and

expenses are caused by GEI’s sole negligence or willful misconduct.

**EXHIBIT B**

FEE SCHEDULE AND PAYMENT TERMS

**WI Fee Schedule 2017**

**FEE SCHEDULE**

Hourly Billing Rate

Personnel Category $ per hour

Staff Professional – Grade 1 $ 89

Staff Professional – Grade 2 $ 107

Project Professional – Grade 3 $ 112

Project Professional – Grade 4 $ 121

Senior Professional – Grade 5 $ 148

Senior Professional – Grade 6 $ 166

Senior Professional – Grade 7 $ 189

Senior Consultant – Grade 8 $ 226

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Senior CADD Drafter and Designer $ 102

CADD Drafter and Designer $ 95

\*Field Professional $ 84

\*Senior Technician $ 109

\*Technician $ 93

Word Processor, Administrative Staff $ 82

Office Aide/Intern $ 82

• Rates will increase up to 5% annually, at GEI’s option, for all contracts that extend beyond twelve (12) months

after the date of the contract. Rates for Deposition and Testimony are increased 1.5 times.

• \*The scope of work is based on a normal work week, Monday through Friday, eight (8) hours per day and work on

Saturday. Overtime will be charged at 1.3 times the specified rate; Sunday and holiday hours will be charged at

two times the personnel rate, with a minimum charge of eight (8) hours

**OTHER PROJECT COSTS**

**Subconsultants, Subcontractors and Other Project Expenses -** All costs for subconsultants, subcontractors and other

project expenses will be billed at cost plus a 15% service charge. Examples of such expenses ordinarily charged to

projects are subcontractors; subconsultants: chemical laboratory charges; rented or leased field and laboratory

equipment; outside printing and reproduction; communications and mailing charges; reproduction expenses; shipping

costs for samples and equipment; disposal of samples; rental vehicles; fares for travel on public carriers; special fees for

insurance certificates, permits, licenses, etc.; fees for restoration of paving or land due to field exploration, etc.; state

sales and use taxes and state taxes on GEI fees.

**Field and Laboratory Equipment Billing Rates** – GEI-owned field and laboratory equipment such as pumps, sampling

equipment, monitoring instrumentation, field density equipment, portable gas chromatographs, etc. will be billed at a

daily, weekly, or monthly rate, as needed for the project. Expendable supplies are billed at a unit rate.

**Transportation and Subsistence** - Automobile expenses for GEI or employee owned cars will be charged at the rate

per mile set by the Internal Revenue Service for tax purposes plus tolls and parking charges, or at a day rate negotiated

for each project. When required for a project, four-wheel drive vehicles owned by GEI or the employees will be billed

at a daily rate appropriate for those vehicles. Per Diem living costs for personnel on assignment away from their home

office will be negotiated for each project.

**PAYMENT TERMS**

Invoices will be submitted monthly or upon completion of a specified scope of service, as described in the accompanying

contract (proposal, project, or agreement document that is signed and dated by GEI and CLIENT).

Payment is due upon receipt of the invoice. Interest will accrue at the rate of 1% of the invoice amount per month, for

amounts that remain unpaid more than 30 days after the invoice date. All payments will be made by either check or

electronic transfer to the address specified by GEI and will include reference to GEI’s invoice number.

Jerry A. Krueger, P.E.

Senior Geotechnical Engineer

Mr. Krueger is a geotechnical engineer with over 24 years of project

management experience on multidiscipline project teams. His broad

range of project component experience leads to comprehensive

evaluations and design. He is responsible for developing and

implementing cost-effective solutions for a variety of engineering,

construction, and environmental projects. He provides project

management, alternatives evaluations, design, contract administration,

cost estimating, public relations, and resident engineering services. He

has overseen comprehensive subsurface investigations and geotechnical

engineering analyses; performs environmental impact assessments; and

oversees construction quality management activities for dam, building,

infrastructure, site development, and transportation projects.

PROJECT EXPERIENCE

**Fort Peck Auxiliary Spillway Improvements, USACE, Fort Peck,**

**Montana.** In 2011, the Fort Peck auxiliary spillway experienced

significant undermining during a flood event. Performed

constructability reviews and developed cost estimates for various repair

alternatives during a fast-tracked project in 2012. Also, assisted with the

design and technical specifications for this 40-million-dollar project.

**Cox Hollow Dam Repairs, WDNR, Dodgeville, WI.** Mr. Krueger

was the project manager of a multidiscipline project team designing

several repairs for the Cox Hollow Dam. Planned repairs include sliplining

the low-level lake drain, vertical sluice gate repair, concrete repairs

to the fixed crest concrete weir, and erosion protection. Mr. Krueger

oversaw the design and specifications preparation**.**

**Yellowstone Lake Dam Repairs, WDNR, Fayette, WI.** Mr.

Krueger was the project manager of a multidiscipline project team that

designed several repairs for the Yellowstone Lake State Park Dam.

Repairs included a 1,200-foot-long toe drain to control embankment seepage, extensive tree clearing, spillway

structure repainting, and erosion protection. Mr. Krueger oversaw the design and specifications preparation.

**Otsego Dam Alternatives, Ramboll Environ, Otsego, Michigan.** Reviewed available alternatives developed

by others, evaluated the existing conditions at the site, and provided additional alternatives for consideration by

Ramboll Environ, Weyehaeuser, and the Michigan Department of Natural Resources (MDNR). Developed new

alternatives to temporarily stabilize the Otsego Dam Spillway and provide water level control in anticipation of

performing Time Critical Removal Actions (TCRA) for PCB-impacted sediments upstream of the dam. Provided

possible construction sequencing, rough order of magnitude cost comparison of the alternatives, and anticipated

permitting/approval requirements.

**Lake Beulah Dam Spillway Reconstruction, Walworth County & Lake District, East Troy, WI.** Project

manager for the hydraulic, structural, and geotechnical design for the Lake Beulah Dam’s spillway inlet weir and

interlocutory dam.

EDUCATION

B.S., Geological Engineering, University

of Wisconsin-Madison

B.S., Geology and Geophysics, University

of Wisconsin Madison

EXPERIENCE IN THE INDUSTRY

24 years

EXPERIENCE WITH GEI

Less than one year

REGISTRATION AND LICENSES

Professional Engineer, WI

PROFESSIONAL ASSOCIATIONS

American Council of Engineering

Companies- Wisconsin Division of State

Facilities Liaison Committee (Former

Chair)

University of Wisconsin-Madison

Geological Engineering Department

Board of Visitors Chairperson

Jerry A. Krueger, P.E., Page 2

**Gildersleeve Dam Removal – Private Residence, Kewaskum, WI.** The Gildersleeve Dam was an

unauthorized privately owned dam. Kewaskum Creek flowed through a breach that occurred through the earthen

embankment. The WDNR preferred to maintain final stream flow through the existing earthen embankment

breach area, remove the existing spillway components, backfill the exiting spillway area, and stabilize the final

stream channel slopes. Project manager and engineer responsible for developing dam removal plans and

specifications in addition to obtaining WDNR approval for the removal.

**Wisconsin Department of Natural Resources Dam Studies, Wisconsin Division of Facilities Development.**

Project manager for the condition evaluations and repair alternatives for four large dams in southern Wisconsin

owned by the Wisconsin Department of Natural Resources (WDNR). Identified deficiencies and provided the

WDNR with conceptual repair alternatives and associated cost estimates which were used by the State in budget

planning.

**Dam Failure Analyses, WDNR, Multiple Sites, WI.** Project manager for executing dam failure analyses for

eight dams owned by the Wisconsin Department of Natural Resources(WDNR).

**Montello Dam Rehabilitation, Wisconsin Division of Facilities Development, Montello, WI.** Senior

project engineer and project manager for the condition evaluation, preliminary design, and alternatives analysis for

reconstruction of a 2,600-foot earthen embankment, 200-foot concrete spillway, and gated auxiliary spillway.

Managed a comprehensive subsurface investigation and structural evaluation of the primary dam structures.

Directed the development of removal and repair alternatives for the embankment and spillways, including seepage

cut-off solutions. Provided the client with removal and repair cost estimates and assisted the State of Wisconsin

in prioritizing the necessary repairs.

**Jersey Valley Dam Rehabilitation, Vernon County, WI.** Senior project engineer and project manager for

rehabilitation of the Jersey Valley Dam, which had experienced excessive seepage since its original construction in

the 1960s. Following the drawdown of the reservoir in 2005, participated in a comprehensive geologic

investigation of the earthen dam’s bedrock foundation and design of a grout curtain to reduce the seepage

through the dam’s foundation and abutments. Managed the design, developed construction cost estimates and

construction documents, and served as resident engineer for the installation of the grout curtain.

**McDill Dam Inspection and Seepage Repairs, Village of Whiting, WI.** Mr. Krueger developed and

managed a subsurface investigation to evaluate the source of the excessive seepage observed at the spillway

outfall. Developed conceptual repairs consisting of a seepage cut-off wall, grouting, and downstream drainage

filters. Presented the repair options and associated costs to the Village of Whiting and other stakeholders.

Managed the preparation of a Municipal Dam Grant, which was awarded to the dam owner. Also, managed

implementation of the repairs and developed an IOM plan and an EAP for the McDill Dam.

**Dam Grant Application Preparation and Alternatives Design, Various Clients.** Associate engineer

responsible for the preparation of grants through the Wisconsin Department of Natural Resources (WDNR)

Municipal Dam Grant Program for numerous dam projects including, McDill Dam, Rosholt Dam, Amherst Dam,

Springville Dam, and Medford Dam. As part of the dam grant process, Mr. Krueger developed design

alternatives and associated cost estimates for the dam owners to consider in their decision-making process.

**Dam Alternatives and Cost Estimating, Various Clients and Locations.** Senior project engineer responsible

for the preparation of removal or repair alternatives and construction cost estimates on numerous dam projects

including, Badger Hydroelectric, Jersey Valley, Tourist Park, Rippon, Montello, McDill, Springville, Rosholt,

Estabrook, Otsego, Yellowstone, Cox Hollow, Cruson Slough, Halverson and Fort Peck Auxiliary Spillway.

Jerry A. Krueger, P.E., Page 3

**Dam Inspections, Various Clients.** Senior project engineer responsible for independent engineering consultant

dam inspections in general accordance with the Wisconsin Department of Natural Resources dam inspection

requirements. Performed dam safety inspections for Amherst Dam, Angelo Dam, Four Mile Creek Dam, Five

Mile Creek Dam, McDill Dam, Montello Dam, Rosholt Dam, Springville Dam, Yellowstone Dam, Halverson

Dam, Cox Hollow #1 Dam, and Cruson Slough Dam.

**Geotechnical**

**Chemistry Building Addition, University of Wisconsin - Madison**

Project manager for the subsurface exploration and geotechnical engineering analyses for the 8-story, 170,000

square foot addition to the Chemistry Building at the University of Wisconsin – Madison. Through the

implementation of a pressuremeter testing program, a net allowable soil bearing pressure of 15,000 pounds per

square foot was justified. The high net allowable bearing pressure justified supporting the heavily loaded building

on more economical conventional spread foundations. Mr. Krueger managed a comprehensive geotechnical

engineering report which included geotechnical recommendations for shallow foundations, allowable bearing

pressures, settlement, lateral earth pressures, temporary earth retention, dewatering, floor slabs, pavements,

construction considerations, and seismic considerations.

**Dollar General Distribution Center, Janesville, WI**

Project manager for the subsurface exploration and geotechnical engineering analyses for the 1 million square

foot Dollar General Distribution Center in Janesville, WI. Eighty-two soil borings were performed for the

distribution warehouse, maintenance building, fuel island, stormwater ponds, and pavements. Mr. Krueger

managed the developed a comprehensive geotechnical engineering report which included geotechnical

recommendations for foundations, allowable bearing pressures, settlement, lateral earth pressures, pavements,

stormwater infiltration, construction considerations, and seismic considerations.

**Kieler Farms, Inc. – Platteville, WI.** Project manager and engineer for the subsurface exploration and

geotechnical engineering for a new 80-acre dairy facility including a 300-foot by 800-foot livestock housing

facility, two animal waste storage lagoons consisting of lined earthen impoundments, a paved feed storage pad,

and a feed pad waste water lagoon. The waste lagoons were lined with approximately 3 to 5 feet of recompacted

clay. Excavations up to approximately 20 feet and fills of as much as 25 feet were anticipated to establish the final

subgrade elevations. Up to 200,000 cubic yards of earthwork are anticipated for the project.

**John Deere Facility Expansion, Horicon, WI.** Project manager for the subsurface exploration and

geotechnical engineering analyses for the 250,000-square foot addition to John Deere’s Horicon, WI facility. The

project also included over 1 million square feet of pavement area. Forty-eight soil borings were performed for the

subsurface exploration. Challenges included supporting the building structure on up to 17 feet of fill. A

comprehensive geotechnical engineering report, which included geotechnical recommendations for foundations,

allowable bearing pressures, lateral earth pressures, pavements, dewatering, construction considerations, and

seismic considerations was completed.

**Hilton Garden Inn – Sun Prairie, WI.** Project manager and engineer for the proposed six story Hilton Garden

Inn in Sun Prairie, WI. Developed the exploration program including bedrock coring and prepared geotechnical

recommendations for foundations, floor slabs, below grade walls, and pavements.

**St. Augustine Prep. Academy, Milwaukee, WI.** Project manager for the subsurface exploration and

geotechnical engineering analyses for the St. Augustine Prep. Academy in Milwaukee, WI. Mr. Krueger served as

the project manager for this project, which was complicated by the presence of urban fill extending to depths of

approximately 20 feet. Mr. Krueger developed a comprehensive geotechnical engineering report, which included

geotechnical recommendations for shallow and deep foundations, floor slab support, below grade walls,

pavements, temporary earth retention, dewatering, construction considerations, and seismic considerations.

Jerry A. Krueger, P.E., Page 4

**Cedar Creek Utility Crossing, Cedarburg, WI.** Project manager for the subsurface exploration and

geotechnical engineering analyses for the Cedar Creek Utility Crossing. Mr. Krueger developed a comprehensive

geotechnical engineering report which included geotechnical recommendations for vertical alignment, horizontal

directional drilling, cut and cover utility construction, utility trench backfill, pipe settlement and swelling, lift

station foundations, allowable bearing pressures, lateral earth pressures, temporary earth retention, dewatering,

construction considerations, and seismic considerations.

**Oshkosh Correctional Sanitary Improvements, Wisconsin Division of Facilities Development, Oshkosh, WI**

Project manager for the subsurface exploration and geotechnical engineering analyses for the sanitary

improvements proposed at the Oshkosh Correctional facility. The project included a new screening building and

an expansion of the sanitary system to be installed using cut and cover, jack and bore, and horizontal directional

drilling. Mr. Krueger developed geotechnical recommendations for vertical alignment, horizontal directional

drilling, jack and bore, cut and cover utility construction, utility trench backfill, pipe settlement and swelling,

screening building foundations and base slab, allowable bearing pressures, lateral earth pressures, temporary earth

retention, dewatering, construction considerations, and seismic considerations.

**Great Lakes Research Facility Dockwall Evaluation, Wisconsin Division of Facilities Development,**

**University of Wisconsin-Milwaukee, WI.** Project manager responsible for the evaluation of 500 feet of failed

sheet pile dockwall and 700 feet of additional dockwall at the UW-Milwaukee’s Great Lakes Research Facility.

Managed a comprehensive structural and geotechnical evaluation of the existing conditions. Lead the

development of dockwall repair alternatives and associated cost estimates.

**Veterinary Diagnostic Laboratory Retaining Wall Reconstruction, Wisconsin Division of Facilities**

**Development, University of Wisconsin-Madison.** Project manager responsible for the design and

reconstruction of a large modular block retaining wall and adjacent pedestrian path that began to fail shortly after

it was constructed by others. Developed several alternatives and cost estimates for solutions accommodating the

significant space constraints caused by the adjacent railroad, high voltage underground transmission lines, and

parking facilities. Assisted the Wisconsin DFD in selecting the appropriate alternative. Developed the design of a

tiered MSE wall and pedestrian path. Completed the technical specifications, contract documents, and

administered construction activities.

**Overture Art Center, Overture Foundation, Madison, WI.** Project manager responsible for foundation soil

inspections and backfill compaction control for the $200 million Overture Art Center project in downtown

Madison. Also conducted a comprehensive environmental investigation including asbestos-containing materials

for each building located within City Block 65, where the Art Center would be located.

**City Center West, T. Wall Properties, Madison, WI.** Project manager for the subsurface investigation and

geotechnical engineering analyses for the 8-story, 175,000-square-foot commercial building at City Center West.

Provided oversight of 12 soil borings within the proposed building area and borehole pressure meter testing

within four soil borings. Using the pressure meter results, estimated the net allowable soil bearing pressures

ranging between 12,000 and 20,000 psf, thus significantly reducing foundation costs for the project. Also

provided recommendations for floor slabs, lateral earth pressures, pavement design, and earth retention.

**University of Wisconsin Genetics/Biotechnology Building, Wisconsin Division of Facilities**

**Development, University of Wisconsin-Madison.** Managed a subsurface investigation and geotechnical

engineering analysis for a five-story, 90,000-square-foot addition to the building. Developed a comprehensive

Type II environmental assessment for the project in accordance with the Wisconsin Environmental Policy Act.

Jerry A. Krueger, P.E., Page 5

**Transportation**

**I-39/90 Reconstruction, WI/IL State Line to Madison, Wisconsin Department of Transportation.**

Corridor Management Team Lead Geotechnical Engineer for the 45-mile Interstate 39/90 Reconstruction

Project. Responsible for reviewing roadway and structure geotechnical reports, plans, and specifications for the

interstate, alternate routes, and side roads.

**Marquette Interchange Reconstruction, WisDOT, Milwaukee, WI.** Resident engineer for construction of the

Marquette Interchange, which involved planning, design, and implementation of the final construction staging. Also

worked closely with the contractor coordinating operations to complete major paving events during weekend road

closures to open I-94, I-794, and I-43 into the final configurations.

**STH 35 Retaining Wall Reconstructions, WisDOT, Maiden Rock, WI.** Project manager for the design of

two retaining wall replacements along STH 35 in northwest Wisconsin. The walls are situated on bluffs and above

a major rail road line along the Mississippi River. The new retaining walls consisted of drilled shafts that received

H-pile posts and precast concrete panels.

**Environmental**

**University of Wisconsin, Wisconsin Division of State Facilities, Various Environmental Impact**

**Assessments, Madison, WI.** Provided oversight and coordination of environmental impact assessments in

accordance with the Wisconsin Environmental Policy Act at various facilities, including additions to the

biotechnology building, UW crew house, Veterinary Diagnostics Laboratory Tissue Digester, Weeks Hall, the

Microbial Sciences Building, Grainger Hall, parking ramp improvements at Lowell Hall, the Veterinary Diagnostic

Laboratory, renovations to the School of Education Building, renovation of the Washburn Observatory, a new All

Season Golf Practice Facility at University Ridge Golf Course, and stormwater improvement facilities at UWPlatteville.

**Katie J. Unke Ehrenberg**

Senior Project Professional

Katie Unke Ehrenberg is an Ecological Project Manager based in GEI’s

Green Bay, Wisconsin office specializing in wetlands, waterways, and

natural habitats. Ms. Unke’s field experience includes wetland

delineations, plant identification, stream characterizations, habitat

surveys, land use surveys, and threatened and endangered resource

surveys. Ms. Unke has experience in preparing and coordinating permit

packages for transmission lines, distribution lines, railroad expansions,

and other projects for small and large businesses and has performed

environmental oversight on multiple construction projects for linear

projects.

Ms. Unke has over 10 years of experience with ArcGIS mapping system

including creating figures for projects and clients, desktop analysis of site

conditions, and database creation and management. She possesses

detailed knowledge of Trimble GPS systems. Ms. Unke also has extensive

Pathfinder software experience. She has created data dictionaries for use

in GPS based on a project’s specific needs, post-field correlation of field

data, and background files for GPS units.

PROJECT EXPERIENCE

**North Appleton to Morgan, American Transmission Company,**

**Northeastern Wisconsin.** Responsible for management and

completion of environmental support services of two new parallel 46-

mile-long transmission lines in northeast Wisconsin. Initial efforts

included routing and siting support to document occurrences of

wetlands, waterways, natural habitats, habitats for threatened and

endangered species, building/structure counts and identification to be

included in an application for a certificate of public convenience and

necessity (CPCN) and a Wisconsin Department of Natural Resources

(WDNR) utility permit. Ms. Unke drafted many environmental sections

for the CPCN submittal to the Wisconsin Public Service Commission

(WPSC) for the original sixteen routes being analyzed as part of the

project. Subsequent tasks included coordinating additional

environmental survey efforts based on voluntary access to over 200

properties. The survey results were compiled into a wetland delineation

report to supplement the Practicable Alternatives Analysis provided to

the Wisconsin Department of Natural Resources WDNR and the United

States Army Corps of Engineers (USACE) to apply for an Individual

Wetland Permit. Coordinated and developed a Construction and

Mitigation Plan that was approved by the WDNR; which included an

endangered resources plan, invasive species management plan, wetland

compensatory mitigation plan, wetland restoration and revegetation plan,

and a wooded riparian and wetland management plan. Subsequent tasks

included coordination with the WDNR and the United States Fish and

Wildlife Service (USFWS) regarding potential impacts to migratory birds

EDUCATION

B.S., Water Resources and Soil Science,

University of Wisconsin-Stevens Point

EXPERIENCE IN THE INDUSTRY

8 years

EXPERIENCE WITH GEI

2 years

CERTIFICATIONS

Certified Endangered Resource Reviewer

(WDNR)

WDNR Karner Blue Butterfly HCP Monitor

OTHER TRAINING

Advanced Wetland Delineation Training

Workshop, UW-LaCrosse

Basic Wetland Delineation Training Workshop,

UW-LaCrosse

Critical Methods in Wetland Delineation, UWLaCrosse

Hydric Soils Identification, UW-LaCrosse

Grasses, Sedges, and Rushes Workshop,

UW-LaCrosse

WDNR Karner Blue Butterfly HCP Monitoring

Training

Erosion Control Site Inspector/Installer

Training

PROFESSIONAL AFFILIATIONS

Wisconsin Wetland Association, member

Society of Wetland Scientists, member

Katie J. Unke Ehrenberg Page 2

and bats and submitting fishery waivers to the WDNR for use of temporary clear span bridges during certain

times of year. Three separate erosion control and stormwater management plans were created as part of the

project for submittal to and approval by the WDNR. Ms. Unke is responsible for coordinating the environmental

construction monitoring oversight and environmental compliance for the duration of the project and will be

responsible for post-construction monitoring for a minimum of five years after construction of the transmission

line is complete.

**J-88 Transmission Line Upgrade, American Transmission Company, Marinette County, Wisconsin.**

Responsible for management and completion of environmental support services for an existing 21-mile-long

transmission line in Marinette County, Wisconsin that will be rebuilt offset to its current position.

Environmental field support provided by GEI included conducting wetland delineations, stream surveys, habitat

assessments, threatened and endangered species surveys (including Kirtland Warbler, raptors, and reptiles). Ms.

Unke prepared a Certificate of Authority that was submitted to the WPSC, prepared a wetland permit package

that was submitted to the WDNR and USACE, and will coordinate the efforts of sensitive species mitigation

during construction. Ms. Unke will be responsible for coordinating the environmental construction monitoring

oversight and environmental compliance for the duration of the project.

**Multiple Projects, American Transmission Company, Wisconsin.** Project manager for multiple American

Transmission Company (ATC) projects. Project work included coordinating with the ATC’s environmental

project managers and other functional groups to conduct initial background screening, field/site reconnaissance,

permitting, construction monitoring, and restoration monitoring. Site reconnaissance included screening for

cultural resource impacts, contaminated resources, and threatened and endangered species. Coordinated field

survey efforts that included: wetland delineations, waterways surveys, threatened and endangered species and

habitat surveys, and invasive species surveys. Additional project work included permitting for local, county, state

and federal permits. Provided and coordinated environmental construction oversight during the construction

phase of the projects and provided site restoration assistance during post-construction activities to ensure

compliance with state and federal regulations and with client best management practices.

**Expera Landfill Siting and Feasibility Study, Mosinee, Wisconsin.** Project scope consisted of surveying a

proposed landfill site for the occurrence of wetlands and other natural resource features to aid in the feasibility

study. Field biologist responsible for identifying and delineating wetland boundaries in accordance with USACE

Wetland Delineation Manual standards. Performed habitat assessment of the site for threatened and endangered

species impact assessment. Composed and submitted final written report to project team, client, and to the

Wisconsin Department of Natural Resources for wetland boundary concurrence.

**Georgia Pacific Landfill Wetland Investigation, Green Bay, Wisconsin.** Project scope consisted of

surveying an existing landfill site perimeter to document the occurrence of wetlands in areas where proposed

slope stability work may occur. Field biologist responsible for identifying and delineating wetland boundaries in

accordance with USACE Wetland Delineation Manual standards. Performed habitat assessment of the site for

threatened and endangered species impact assessment. Composed and submitted final written report to project

team, client, and to the Wisconsin Department of Natural Resources for wetland boundary concurrence.

**Green Bay Packaging Site Expansion, Green Bay, Wisconsin.** Project scope consisted of surveying a farmed

parcel that was considered for a site expansion project. Field biologist responsible for identifying and delineating

wetland boundaries in accordance with USACE Wetland Delineation Manual standards. Performed an offsite

wetland investigation for the location of potentially farmed wetlands. Ground trothed the identified potential

wetlands. Composed and submitted final written report for the client and to the Wisconsin Department of

Natural Resources for wetland boundary concurrence.

Katie J. Unke Ehrenberg Page 3

**Sanimax Rail Spur Addition, Green Bay, Wisconsin.** Project scope consisted of surveying an existing

industrial site to document the occurrence of wetlands and other features in an industrial area where rail spurs are

proposed. Field biologist responsible for identifying and delineating wetland boundaries in accordance with

USACE Wetland Delineation Manual standards. Performed habitat assessment and endangered resource review

of the site for threatened and endangered species impact assessment. Composed and submitted final written

report to client, and the Wisconsin Department of Natural Resources for wetland boundary concurrence.

Assisted in the submittal of a wetland fill permit to the WDNR and USACE.

PREVIOUS PROJECT EXPERIENCE

**Project Team Member and Lead Field Supervisor, Multiple Projects, American Transmission Company,**

**Wisconsin.** Project team member and lead field supervisor for dozens of projects completed for American

Transmission Company. Project work included coordinating with the client’s environmental project managers to

conduct initial background screening, field/site reconnaissance, permitting, construction monitoring, and

restoration monitoring. Initiated initial site reconnaissance that included screening for cultural resource impacts,

contaminated resources, and threatened and endangered species occurrence. Completed and coordinated with

field survey crews includes wetland delineations, waterways surveys, threatened and endangered species and

habitat surveys, and invasive species surveys. Additional project work included permitting for shoreland zoning

permits, stormwater and erosion control permits, and general wetland permits. Provided environmental

construction oversight during the construction phase of the projects and provided site restoration assistance

during post-construction activities to ensure compliance with state and federal regulations and with client best

management practices. Additional work included conducting invasive species monitoring and management for

newly constructed transmission lines as a requirement of CPCNs. The invasive species monitoring included

surveying for specific species on an annual basis for 3 to 5 years based on permit requirements and reporting the

findings in an annual report. The invasive species management included piloting a program to use Galerucella

beetles to biologically control purple loosestrife throughout multiple wetlands in Wisconsin.

**Project Team Member, TIF District Site Development, City of Sheboygan Falls, Wisconsin.** Responsible

for the wetland delineation and stream survey of a 69-acre site to aid in the development of a future industrial

park. Assisted project engineers in determining potential site development that reduced amount of wetland

impacts to the greatest extent practicable while maintaining the functionality of the site for a future industrial

park.

**Project Team Member, Access Road Development for Groundwater Sampling, Confidential Client,**

**McHenry County, Illinois.** Project team member for a site in Ringwood, Illinois needing an access road to

numerous wells to safely conduct groundwater testing for contamination. The client was not successfully

obtaining a wetland fill permit from the state and Army Corps based on work of a pervious consultant. Ms. Unke

was brought on as a team member of the project to conduct a wetland delineation, habitat identification for the

Northern Long Eared Bat, and a Floristic Quality Assessment that was required to obtain a wetland fill permit

from the state and federal agencies. The client was successfully able to permit the project and continue

groundwater sampling.

**Roadway Expansions and Replacements, Wisconsin Department of Transportation, Wisconsin.**

Conducted environmental surveying for multiple highway expansions and replacements throughout Wisconsin.

Environmental surveys included wetland delineations, waterway surveys, natural habitat surveys to assess

threatened and endangered species impacts, and threatened and endangered species occurrence surveys. Wetlands

were classified by Wisconsin Department of Transportation (WDOT) standards to comply with WDOT wetland

mitigation requirements.

Katie J. Unke Ehrenberg Page 4

**Wetland Mitigation Site Assessment, Wisconsin Department of Transportation, Wisconsin.** Conducted

habitat surveys, invasive species surveys, and general site condition assessments on existing wetland mitigation

sites for WDOT Northeast District to document the health and functionality of the wetlands as wetland

mitigation sites.

**Wetland Delineation Update, Confidential Client, Marion, Wisconsin.** Conducted a wetland delineation for

a proposed expansion of a lumber yard in Central Wisconsin. Evaluated site conditions for locations of wetlands

to aid in site development and expansion of proposed facilities. Prepared a wetland delineation report

documenting the findings of the survey to be submitted to regulatory officials to aid in future permitting needs.

**Lateral Pipeline Post-Construction Analysis of Wetlands, Integrys Energy Group, Eastern Wisconsin.**

Assessed the conditions of wetlands during post-construction conditions of a lateral pipeline installation. Prepared

a wetland report documenting the findings of the survey. Reporting included a comparison of pre-construction

wetlands to post-construction wetlands that analyzed wetland size, aerial coverage of vegetation, plant

communities, and hydrology.

**Environmental Surveying for Proposed Underground Distribution Lines, Integrys Energy Group,**

**Northern Wisconsin.** Conducted wetland delineations, waterway surveys, invasive species surveys, and

threatened and endangered species habitat surveys for multiple distribution line corridors. The surveys occurred

to aid in permitting needs to bury distribution lines underground in order to reduce outages from wind damage.

**Railroad Expansion Sites, Confidential Railroad Client, Central Minnesota.** Conducted wetland

delineations and waterway characterizations for railroad expansions at multiple sites in Minnesota. Project work

included writing detailed wetland delineation reports for each site and coordinating with local, state and federal

agencies to begin permitting and receive wetland delineation concurrence and approved jurisdictional

determination.

**Karner Blue Butterfly Surveys and Habitat Management, Multiple Clients, Central Wisconsin.** Performed

Level 1 and Level 2 surveys for multiple clients within Wisconsin to document the presence of suitable habitat to

sustain Karner blue butterflies and to survey for the presence of Karner blue butterflies (KBB) in areas proposed

for development. Survey areas ranged in size from 5 acres to over 2,000 acres. Habitat surveys consisted of

surveying for wild lupine, the sole source of food for the KBB larvae, and surveying for nectar plant species and

abundance of nectar plants for the adult butterfly. Habitat surveys were followed by surveys to document the

presence or absence of KBB within the survey area. Results were documented in reports to be submitted to the

WDNR and Fish and Wildlife Service to aid in development of the surveyed properties.