



## ENGINEERING RESOURCE ASSOCIATES, INC.

Consulting Engineers, Scientists & Surveyors

Sent via email to [rsperl@wheatonparks.org](mailto:rsperl@wheatonparks.org)

July 15, 2013

Rob Sperl, CPRP  
Director of Planning  
Wheaton Park District  
1000 Manchester Road  
Wheaton, IL 60187

Phone: 630-510-4975

**Subject:** Proposal for Site Civil Engineering & Environmental Services  
Elliot Lake Shoreline Stabilization

Dear Rob:

Engineering Resource Associates, Inc. (ERA) is pleased to submit this proposal for environmental and engineering services for the Elliot Lake Shoreline Stabilization project. The proposal has been prepared in accordance with your request, a review of the proposed site and our experience on similar projects.

### Project Understanding

Elliot Lake is located in the City of Wheaton, Illinois. Portions of the shoreline are experiencing bank erosion due to water level fluctuations, wave action, ice shear, and vegetation loss. As a result, these destabilized areas present a water quality problem to the pond due to soil erosion and sedimentation, are attracting undesirable populations of Canada Geese, and are an unattractive nuisance to recreational activity. It is our understanding that Elliot Lake is a popular destination for local fishermen. To discourage future loss of vegetation due to fishing activities, ERA will work with the District to design naturalized fishing outcroppings or piers to be located in current denuded bank areas. The Wheaton Park District would like to retain a qualified consultant to design a shoreline stabilization plan utilizing appropriate vegetative and bio-engineering stabilization techniques and assist with grant applications. Following approval of the plan, we will prepare cost estimates and bid documents, attend pre-bid and pre-construction meetings, perform bid opening with recommendation and check contractor references. The consultant will also assist in application for funding and apply for applicable permits from the appropriate agencies.

### Scope Of Work

ERA will provide professional services in accordance with the following work plan.

1. Meetings/Coordination - ERA will initially meet with Park District staff to review the project understanding and gather historic information on past management activities (one meeting). ERA will meet with park district staff after completion of preliminary plans for concept approval (one meeting).
2. Data Gathering - We will acquire background data from various sources including the following items:

#### [www.eraconsultants.com](http://www.eraconsultants.com)

Warrenville  
3s701 West Avenue, Suite 150  
Warrenville, IL 60555  
T 630.393.3060  
F 630.393.2152

Chicago  
10 South Riverside Plaza, Suite 1800  
Chicago, IL 60606  
T 312.683.0110  
F 312.474.6099

Champaign  
3002 Crossing Court  
Champaign, IL 61822  
T 217.351.6268  
F 217.355.1902

- 2.1. Concept Plan;
  - 2.2. Floodplain and floodway mapping and studies;
  - 2.3. Previous stormwater studies within and adjacent to the project;
  - 2.4. As built record drawings from other projects;
  - 2.5. Storm, sanitary, and water atlases;
  - 2.6. Private utility atlases (electric, telephone, cable);
  - 2.7. 2-foot contour mapping from DuPage County;
  - 2.8. Aerial photography; and
  - 2.9. Wheaton Park District engineering plans/surveys, and as-builts if available.
3. Wetland Delineation – Wetlands may be present associated with the lake and Winfield Creek. ERA will perform a wetland determination and if present will delineate wetlands areas to Army Corps standards and prepare the required written report. Wetlands will be delineated on-site with pin flags and will be surveyed.
  4. Field Topographical Survey - ERA will inspect the lake to identify issues, determine severity of, and estimate linear footage of problem shoreline; identify existing plant communities; and survey cross-sections as necessary of severely eroded areas and as necessary to gather base line information for proposed stabilization areas.
  5. Base Plan Preparation – Survey and geospatial data will be downloaded and combined with other acquired data (i.e. 2-foot topography and property boundaries) to produce the base plan. The base plan will show topography, property boundaries, stream and shoreline cross section locations, stream geometry, structures, utilities, centerline and stationing, soil boring locations, and wetland boundaries.
  6. Cut/Fill Calculations – ERA will prepared cut/fill calculations using the cross sections to show that flood storage volume and conveyance will be maintained following completion of the bank stabilization.
  7. Preliminary Plan and Cost Preparation - This task includes the preparation of the preliminary plans based upon discussions with the Park District, design input from various sources and the information from the park engineering plan and as-built survey if available. A corresponding engineer's opinion of probable construction cost summary will be prepared for review by the Park District.
  8. Grant Application Assistance – ERA will assist in applying for IGIG Grant in December 2013 for funding in 2014. The application is typically due in December with funds awarded in spring of the following year.
  9. Final Plans & Specifications - This task includes the preparation of contract documents to enable competitive bidding by qualified contractors according to the project understanding and the approved Preliminary Plan and Cost Opinion. The Construction Document Plans will include the following anticipated sheets:
    - 9.1. Cover Sheet with a Site Location Map
    - 9.2. General Notes and Schedule of Quantities
    - 9.3. Grading Plan
    - 9.4. Soil Erosion and Sedimentation Control Plan



- 9.5. Planting Plan
  - 9.6. Detailed Grading Sections
  - 9.7. Typical Cross Sections
10. Permit Applications – ERA will prepare and submit applicable permit applications for this project. ERA notes that with regard to stormwater management permitting most of the work could fall within the “maintenance” definition of the stormwater ordinance thereby reducing some permitting requirements. Appropriate performance specifications will be included in the permit documents for all naturalized areas. It is anticipated that three years of maintenance will be required during the establishment phase. The following permits may be required for impacts to floodplain, wetland, and buffer areas as follows:
- 10.1. City of Wheaton (it is assumed that application to DuPage County is not required per previously conducted pre-application meeting). An estimate for DuPage County permitting has been included in the estimate if it is required.
  - 10.2. USACE
  - 10.3. Kane /DuPage SWCD
  - 10.4. IEPA NOI
  - 10.5. IDNR
11. Construction Assistance – ERA will provide construction engineering services in accordance with the following work plan:
- 11.1. Meetings & Coordination
    - 11.1.1. Assist in answering bidder questions and issue addenda if needed;
    - 11.1.2. Prepare bid tabulation and provide bidder recommendation;
    - 11.1.3. Pre-construction meeting with Park District, utility companies and contractor;
    - 11.1.4. Review and respond to contractor RIFs (Requests for Information) and issue work directives
    - 11.1.5. Review the substantially completed project and note any items that should be completed or rectified prior to final completion; and
    - 11.1.6. Final completion and close out meeting.
  - 11.2. Construction observation – ERA will provide limited construction observation services during specific times for items that are identified in the construction documents following 24 hour notification by the contractor. ERA anticipates this requiring approximately 4 hours per week for the proposed duration (8 weeks estimated) of the project.
  - 11.3. Shop drawings and submittals – ERA will review shop drawings and submittals for conformance with the requirements of the contract documents. ERA will alert the contractor’s field superintendant when unapproved materials or equipment are being used and advise the Park District of such occurrences. Shop drawings/submittals reviews include: dewatering operations, rock materials, seed, erosion control blanket and plugs.

#### **Services Not Included**

The following services are specifically excluded from the contract:

- 1. Floodplain/floodway hydrologic and hydraulic modeling
- 2. Boundary survey



3. Construction observation services outside those defined in the work plan
4. Vegetation monitoring and reporting
5. Archeological or Historical Survey or Permitting
6. Landscaping or Signage Design, Except As Described in Scope of Services
7. Structural Engineering
8. Soil Borings & Geotechnical Engineering
9. Environmental Impact Study
10. Tree Location Plan / Tree Inventory
11. Construction Material Testing Services
12. Construction Survey Layout
13. As-Constructed Drawings

### Schedule

It is our understanding that Wheaton Park District will award this project on July 17, 2013 and that the Park District desires that construction begin in Fall 2013. Alternatively the Park District may choose to apply for additional funding. In this case, the construction schedule would be dictated by the awarded funds. ERA has the staff and resources available to fully staff the project for the project duration in order to meet this deadline. The work described in this agreement will be performed according to the attached schedule. If the project schedule or scope of services changes, we have additional staff and resources available to accommodate the project. Our experience on similar assignments and ability to shift staff and resources will contribute to the ultimate success of this project.

### Fees

Fees for site civil engineering and surveying services described in this proposal are proposed on an phase fixed fee basis for actual work performed on the project in accordance with the attached above scope of services and the following estimated schedule:

#### Base Services:

1. Meetings & Coordination	\$ 900
2. Wetland Delineation and Report	\$ 2,000
3. Data Gathering	\$ 200
4. Field Survey	\$ 3,000
5. Base Plan Preparation	\$ 2,500
6. Cut/Fill Calculations	\$ 1,500
7. Preliminary Plan and Cost Preparation	\$ 9,500
8. Grant Application Assistance	\$ 200
9. Final Plans & Specifications	\$ 7,000
10. Permit Applications	\$ 3,200
11. Construction Assistance	\$ 5,000

#### Additional Services

DuPage County Permitting (if required)	\$ 3,500
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**Total Estimated Budget** **\$38,500**

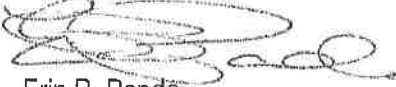


Direct costs/reimbursables including printing costs, mileage and postage will be charged at the actual rate incurred and are not included in the base services. Fees for additional services beyond the scope of this proposal, when approved by the Client, will be compensated for on an hourly basis in accordance with the attached schedule of hourly rates (Exhibit 1).

We appreciate the opportunity to provide the services required for shoreline stabilization within the Park Districts land holdings, and we would look forward to working with you on this important assignment. If acceptable, please sign the proposal where indicated below and return one (1) copy for our files. Receipt of executed proposal will serve as authorization to proceed with the project. The attached General Terms and Conditions are expressly incorporated into and are an integral part of this proposal for engineering services. Please forward one copy of a title report and a plat of survey and legal description for the subject property. The balance of payment shall be due at the time of completion of plan. Please advise if you have any questions or comments.

If you have any questions, please contact me at 630.393.3060x41 or [epande@eraconsultants.com](mailto:epande@eraconsultants.com).

Sincerely,  
Engineering Resource Associates, Inc.  
Warrenville



Erin R. Pande  
Ecological Services Director

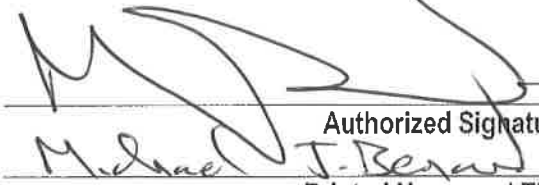


Exhibit 1

Acceptance & Authorization Form – July 15, 2013 Proposal  
Elliot Lake Shoreline Stabilization

Engineering Resource Associates, Inc.

Wheaton Park District



Authorized Signature

Authorized Signature

Erin Pande

Michael J. Berner

Printed Name and Title

Printed Name and Title

3S701 West Avenue  
Suite 150  
Warrenville, Illinois 60555  
630-393-3060 t, 630-393-2152 f

Executive Director 8/12/13  
Date

Please Provide Contact Information:

Mailing Address:

(please provide street address for UPS deliveries)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone & Facsimile Numbers:

Email Address:

INVOICES should be sent via:

Email  USPS Mail  Email & USPS Mail

If different than above address,  
invoices should be addressed to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attn:

Invoice Email Address (if different than above)

\_\_\_\_\_  
\_\_\_\_\_



## Exhibit 2

## ENGINEERING RESOURCE ASSOCIATES, INC.

STANDARD CHARGES FOR PROFESSIONAL SERVICES  
JANUARY 1, 2013 THROUGH DECEMBER 31, 2013

<i>Staff Category</i>	<i>Hourly Billing Rate</i>
Professional Engineer VI	\$206.00
Professional Engineer V	\$200.00
Professional Engineer IV	\$163.00
Professional Engineer III	\$128.00
Professional Engineer II	\$117.00
Professional Engineer I	\$94.00
Structural Engineer VI	\$206.00
Structural Engineer III	\$105.00
Staff Engineer III	\$93.00
Staff Engineer II	\$83.00
Staff Engineer I	\$75.00
Engineering Intern II	\$36.00
Engineering Intern I	\$33.00
Engineering Technician V	\$103.00
Engineering Technician IV	\$89.00
Engineering Technician III	\$72.00
Engineering Technician II	\$47.00
Engineering Technician I	\$25.00
Ecological Services Director	\$104.00
Environmental Specialist III	\$93.00
Environmental Specialist II	\$89.00
Environmental Specialist I	\$75.00
Professional Surveyor II	\$152.00
Professional Surveyor I	\$125.00
Surveyor IV	\$79.00
Surveyor III	\$65.00
Surveyor II	\$56.00
Surveyor I	\$39.00
Administrative Director	\$134.00
Administrative Staff IV	\$78.00
Administrative Staff III	\$71.00
Administrative Staff II	\$61.00
Administrative Staff I	\$54.00

## DIRECT COSTS

Direct Costs will be billed at their actual rate incurred.



Engineering Resource Associates, Inc.

GENERAL TERMS AND CONDITIONS

1. **COMPLIANCE WITH LAWS:** Engineering Resource Associates, Inc. (Engineer) will strive to exercise usual and customary professional care in his efforts to comply with those laws, codes, ordinance and regulations which are in effect as of the date of this Agreement.

With specific respect to prescribed requirements of the Americans with Disabilities Act of 1990 or certified state or local accessibility regulations (ADA), Client understands ADA is a civil rights legislation and that interpretation of ADA is a legal issue and not a design issue and, accordingly, retention of legal counsel (by Client) for purposes of interpretation is advisable. As such and with respect to ADA, Client agrees to waive any action against Engineer, and to indemnify and defend Engineer against any claim arising from Engineer's alleged failure to meet ADA requirements prescribed.

2. **DESIGNATION OF AUTHORIZED REPRESENTATIVE:** Each party (to this Agreement) shall designate one or more persons to act with authority in its behalf in respect to appropriate aspects of the Project. The persons designated shall review and respond promptly to all communications received from the other party.
3. **STANDARD OF PRACTICE:** The Engineer will strive to conduct services under this Agreement in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as of the date of this Agreement. No other representation, express or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document, or otherwise.
4. **GOVERNING LAW:** This Agreement shall be governed by and construed in accordance with Articles previously set forth by Item 1. of this Agreement, together with the laws of the State of Illinois.
5. **RESPONSIBILITY OF THE ENGINEER:** Notwithstanding anything to the contrary which may be contained in this Agreement or any other material incorporated herein by reference, or in any Agreement between the Client and any other party concerning the Project, the Engineer shall not have control or be in charge of and shall not be responsible for the means, methods, techniques, sequences or procedures of construction, or the safety, safety precautions or programs of the Client, the construction contractor, other contractors or subcontractors performing any of the work or providing any of the services on the Project. Nor shall the Engineer be responsible for the acts or omissions of the Client, or for the failure of the Client, any architect, engineer, consultant, contractor or subcontractor to carry out their respective responsibilities in accordance with the Project documents, this Agreement or any other agreement concerning the Project. Any provision which purports to amend this provision shall be without effect unless it contains a reference that the content of this condition is expressly amended for the purposes described in such amendment and is signed by the Engineer.
6. **CLIENT'S RESPONSIBILITIES:** The Client agrees to require the Contractor, to the fullest extent permitted by law, to indemnify, hold harmless, and defend the Engineer, its consultants, and the employees and agents of any of them from and against any and all claims, suits, demands, liabilities, losses, damages, and costs ("Losses"), including but not limited to costs of defense, to the extent arising in whole or in part out of the negligence of the Contractor, its subcontractors, the officers, employees, agents, and subcontractors of any of them, or anyone for whose acts any of them may be liable, regardless of whether or not such Losses are caused in part by a party indemnified hereunder. Specifically excluded from the foregoing are Losses arising out of the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or specifications, and the giving of or failure to give directions by the Engineer, its consultants, and the agents and employees of any of them, provided such giving or failure to give is the primary cause of Loss.

The Client further agrees to require the Contractor to name the Engineer, its agents and consultants as additional insureds on the Contractor's policy or policies of comprehensive or commercial general liability insurance. Such insurance shall include products and completed operations and contractual liability coverages, shall be primary and non-contributing with any insurance maintained by the Engineer or its agents and consultants, and shall provide that the Engineer be given thirty days, unqualified written notice prior to any cancellation thereof.

In the event the foregoing requirements, or any of them, are not established by the Client and met by the Contractor, the Client agrees to indemnify and hold harmless the Engineer, its employees, agents, and consultants from and against any and all Losses which would have been indemnified and insured against by the Contractor, but were not.



When Contract Documents prepared under the Scope of Services of this contract require insurance(s) to be provided, obtained and/or otherwise maintained by the Contractor, the Client agrees to be wholly responsible for setting forth any and all such insurance requirements. Furthermore, any document provided for Client review by the Engineer under this Contract related to such insurance(s) shall be considered as sample insurance requirements and not the recommendation of the Engineer. Client agrees to have their own risk management department review any and all insurance requirements for adequacy and to determine specific types of insurance(s) required for the project. Client further agrees that decisions concerning types and amounts of insurance are specific to the project and shall be the product of the Client. As such, any and all insurance requirements made part of Contract Documents prepared by the Engineer are not to be considered the Engineer's recommendation, and the Client shall make the final decision regarding insurance requirements.

7. **INFORMATION PROVIDED BY OTHERS:** The Engineer shall indicate to the Client the information needed for rendering of the services of this Agreement. The Client shall provide to the Engineer such information as is available to the Client and the Client's consultants and contractors, and the Engineer shall be entitled to rely upon the accuracy and completeness thereof. The Client recognizes that it is impossible for the Engineer to assure the accuracy, completeness and sufficiency of such information, either because it is impossible to verify or because of errors or omissions which may have occurred in assembling the information the Client is providing. Accordingly, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Engineer and the Engineer's subconsultants harmless from any claim, liability or cost (including reasonable attorneys' fees and cost of defense) for injury or loss arising or allegedly arising from errors, omissions or inaccuracies in documents or other information provided by the Client to the Engineer.
8. **CHANGES:** Client reserves the right by written change order or amendment to make changes in requirements, amount of work, or engineering time schedule adjustments, and Engineer and Client shall negotiate appropriate adjustments acceptable to both parties to accommodate any changes, if commercially possible.
9. **DOCUMENTS DELIVERED TO CLIENT:** Drawings, specifications, and reports prepared by Engineer in connection with any or all of the services furnished hereunder shall be delivered to the Client for the use of the Client. Engineer shall have the right to retain originals of all Project Documents and drawings for its files. Furthermore, it is understood and agreed that the Project Documents such as, but not limited to reports, calculations, drawings, and specifications prepared for the Project, whether in hard copy or machine readable form, are instruments of professional service intended for one-time use in the construction of this Project. These Project Documents are and shall remain the property of the Engineer. The Client may retain copies, including copies stored on magnetic tape or disk, for information and reference in connection with the occupancy and use of the Project.

It is also understood and agreed that because of the possibility that information and data delivered in machine readable form may be altered, whether inadvertently or otherwise, the Engineer reserves the right to retain the original tapes/disks and to remove from copies provided to the Client all identification reflecting the involvement of the Engineer in their preparation. The Engineer also reserves the right to retain hard copy originals of all Project Documentation delivered to the Client in machine readable form, which originals shall be referred to and shall govern in the event of any inconsistency between the two.

The Client understands that the automated conversion of information and data from the system and format used by the Engineer to an alternate system or format cannot be accomplished without the introduction of inaccuracies, anomalies, and errors. In the event Project Documentation provided to the Client in machine readable form is so converted, the Client agrees to assume all risks associated therewith and, to the fullest extent permitted by law, to hold harmless and indemnify the Engineer from and against all claims, liabilities, losses, damages, and costs, including but not limited to attorney's fees, arising therefrom or in connection therewith.

The Client recognizes that changes or modifications to the Engineer's instruments of professional service introduced by anyone other than the Engineer may result in adverse consequences which the Engineer can neither predict nor control. Therefore, and in consideration of the Engineer's agreement to deliver its instruments of professional service in machine readable form, the Client agrees, to the fullest extent permitted by law, to hold harmless and indemnify the Engineer from and against all claims, liabilities, losses, damages, and costs, including but not limited to attorney's fees, arising out of or in any way connected with the modification, misinterpretation, misuse, or reuse by others of the machine readable information and data provided by the Engineer under this Agreement. The foregoing indemnification applies, without limitation, to any use of the Project Documentation on other projects, for additions to this Project, or for completion of this Project by others, excepting only such use as may be authorized, in writing, by the Engineer.

10. **REUSE OF DOCUMENTS:** All Project Documents including but not limited to reports, original boring logs, field data, field notes, laboratory test data, calculations, opinions of probable costs, drawings and specifications furnished by Engineer pursuant to this Agreement are intended for use on the Project only. They cannot be used by Client or others on extensions of the Project or any other project. Any reuse, without specific written verification or adaptation by Engineer, shall be at Client's sole risk, and Client shall indemnify and hold harmless Engineer from all claims, damages, losses, and expenses including attorney's fees arising out of or resulting therefrom.
11. **FORCE MAJEURE:** Neither Client nor Engineer shall be liable for any fault or delay caused by any contingency beyond their control including but not limited to acts of God, wars, strikes, walkouts, fires, natural calamities, or demands or requirements of governmental agencies.
12. **RELATIONSHIP BETWEEN ENGINEER AND CLIENT:** Engineer shall serve as Client's professional engineer consultant in those phases of the Project to which this Agreement applies. This relationship is that of a buyer and seller of professional services and as such the Engineer is an independent contractor in the performance of this Agreement and it is understood that the parties have not entered into any joint venture or partnership with the other. The Engineer shall not be considered to be the agent of the Client.
13. **SUSPENSION OF SERVICES:** Client may, at any time, by written order to Engineer (Suspension of Services Order) require Engineer to stop all, or any part, of the services required by this Agreement. Upon receipt of such an order, Engineer shall immediately comply with its terms and take all reasonable steps to minimize the costs associated with the services affected by such order. Client, however, shall pay all costs incurred by the suspension, including all costs necessary to maintain continuity and for the resumption of the services upon expiration of the Suspension of Services Order. Engineer will not be obligated to provide the same personnel employed prior to suspension, when the services are resumed, in the event that the period of suspension is greater than thirty (30) days.
14. **TERMINATION:** This Agreement may be terminated by either party upon thirty (30) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. This Agreement may be terminated by Client, under the same terms, whenever Client shall determine that termination is in its best interests. Cost of termination, including salaries, overhead and fee, incurred by Engineer either before or after the termination date shall be reimbursed by Client.
15. **SUCCESSORS AND ASSIGNS:** The terms of this Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and assigns: provided, however, that neither party shall assign this Agreement in whole or in part without the prior written approval of the other.
16. **ENTIRE UNDERSTANDING OF AGREEMENT:** This Agreement represents and incorporates the entire understanding of the parties hereto, and each party acknowledges that there are no warranties, representations, covenants or understandings of any kind, matter or description whatsoever, made by either party to the other except as expressly set forth herein. Client and the Engineer hereby agree that any purchase orders, invoices, confirmations, acknowledgments or other similar documents executed or delivered with respect to the subject matter hereof that conflict with the terms of the Agreement shall be null, void and without effect to the extent they conflict with the terms of this Agreement.
17. **AMENDMENT:** This Agreement shall not be subject to amendment unless another instrument is duly executed by duly authorized representatives of each of the parties and entitled "Amendment of Agreement".
18. **PAYMENT:** Client shall be invoiced once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. The client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law, whichever is the lesser) until paid. Client further agrees to pay Engineer's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees, as well as costs attributed to suspension of services accordingly. In the event legal action is necessary to enforce the payment provisions of this Agreement, the Engineer shall be entitled to collect from the Client any judgement or settlement sums due, reasonable attorneys' fees, court costs and expenses incurred by the Engineer in connection therewith and, in addition, the reasonable value of the Engineer's time and expenses spent in connection with such collection action, computed at the Engineer's prevailing fee schedule and expense policies. If the Client fails to make payments when due or otherwise is in breach of this Agreement, the Engineer may suspend performance of services upon five (5) calendar days' notice to the Client. The Engineer shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused

by any breach of this Agreement by the Client. Client will reimburse Engineer for all associated costs as previously set forth in Item 13 of this Agreement. Payments due Engineer are not contingent upon project approval or project financing and are the sole responsibility of the Client. If an invoice for work performed by Engineer remains unpaid sixty (60) days from the date of the invoice and, if there is no written resolution of payment from the client during the sixty (60) day period, Engineer will stop all work on the assignment.

19. **INDEMNIFICATION:** Engineer agrees, to the fullest extent permitted by law, to indemnify and hold harmless Client up to the amount of this contract fee (for services) from loss or expense, including reasonable attorney's fees to the extent caused by Engineer's negligent acts, errors or omissions in the performance of professional services under this Agreement. Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless Engineer from any damage, liability or cost, including reasonable attorneys' fees and costs of defense, to the extent caused by the Client's negligent acts, errors or omissions and those of his or her contractors, subcontractors or consultants or anyone for whom the Client is legally liable, and arising from the project that is the subject of this Agreement. In the event of joint or concurrent negligence of Engineer and Client, each shall bear that portion of the loss or expense that its share of the joint or concurrent negligence bears to the total negligence (including that of third parties) which caused the personal injury or property damage. Engineer shall not be liable for special, incidental or consequential damages, including, but not limited to loss of profits, revenue, use of capital, claims of customers, cost of purchased or replacement power, or for any other loss of any nature, whether based on contract, tort, negligence, strict liability or otherwise, by reasons of the services rendered under this Agreement.
20. **LIMIT OF LIABILITY:** The Client and the Engineer have discussed the risks, rewards, and benefits of the project and the Engineer's total fee for services. In recognition of the relative risks and benefits of the Project to both the Client and the engineer, the risks have been allocated such that the Client agrees that to the fullest extent permitted by law, the Engineer's total aggregate liability to the Client for any and all injuries, claims, costs, losses, expenses, damages of any nature whatsoever or claim expenses arising out of this Agreement from any cause or causes, including attorney's fees and costs, and expert witness fees and costs, shall not exceed the total Engineer's fee for professional engineering services rendered on this project as made part of this Agreement. Such causes included but not limited to the Engineer's negligence, errors, omissions, strict liability or breach of contract. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.
21. **NOTICES:** Any notice or designation required to be given to either party hereto shall be in writing, and unless receipt of such notice is expressly required by the terms hereof shall be deemed to be effectively served when deposited in the mail with sufficient first class postage affixed, and addressed to the party to whom such notice is directed at such party's place of business or such other address as either party shall hereafter furnish to the other party by written notice as herein provided.
22. **ACCESS AND PERMITS:** Client shall arrange for Engineer to enter upon public and private property and obtain all necessary approvals and permits required from all governmental authorities having jurisdiction over the Project. Client shall pay costs (including Engineer's employee salaries, overhead and fee) incident to any effort by Engineer toward assisting Client in such access, permits or approvals, if Engineer perform such services.
23. **WAIVER OF CONTRACT BREACH:** The waiver of one party of any breach of the Agreement or the failure of one party to enforce at any time, or for any period of time, any of the provisions hereof, shall be limited to the particular instance, shall not operate or be deemed to waive any future breaches of this Agreement and shall not be construed to be a waiver of any provision, except for the particular instance.
24. **OPINIONS OF PROBABLE COST:** Since Engineer has no control over the cost of labor, materials or equipment, or over the Contractor(s) method of determining process, or over competitive bidding or market conditions, his opinions of probable Project Construction Cost provided for herein are to be made on the basis of his experience and qualifications and represent his best judgement as a design professional familiar with the construction industry, but Engineer cannot and does not guarantee that proposal, bids or the Construction Cost will not vary from opinions of probable construction cost prepared by him. If prior to the Bidding or Negotiating Phase, Client wishes greater accuracy as to the Construction Cost, the Client shall employ an independent cost estimator Consultant for the purpose of obtaining a second construction cost opinion independent from Engineer.
25. **CONSTRUCTION OBSERVATION CLAUSE:** The Owner will include the following clause in the construction contract documents and Owner agrees not to modify or delete it:

Kotecki Waiver: Contractor (and any subcontractor into whose subcontract this clause is incorporated) agrees to assume the

entire liability for all personal injury claims suffered by its own employees, including without limitation claims under the Illinois Structural Work Act, asserted by persons allegedly injured on the Project; waives any limitation of liability defense based upon the Workers Compensation Act, court interpretations of said Act or otherwise; and agrees to indemnify and defend Owner and Engineer and their agents, employees and consultants (the "Indemnities") from and against all such loss, expense, damage or injury, including reasonable attorneys' fees, that the indemnities may sustain as a result of such claims, except to the extent that Illinois law prohibits indemnity for the indemnities' own negligence.

26. **SEVERABILITY OF INVALID PROVISIONS:** If any provision of the Agreement shall be held to contravene or to be invalid under the laws of any particular state, county or jurisdiction where used, such contravention shall not invalidate the entire Agreement, but it shall be construed as if not containing the particular provisions held to be invalid in the particular state, country or jurisdiction and the rights or obligations of the parties hereto shall be construed and enforced accordingly.
27. **HAZARDOUS MATERIALS:** It is acknowledged by both parties that Engineer's scope of services does not include any services related to asbestos or hazardous or toxic materials. In the event Engineer or any other party encounters asbestos or hazardous or toxic materials at the job site, or should it become known in any way that such materials may be present at the job site or any adjacent areas that may affect the performance of Engineer's services, Engineer may at his option and without liability for consequential or any other damages, suspend performance of services on the project until Client retains appropriate specialist consultant(s) or contractor(s) to identify, abate and/or remove the asbestos or hazardous or toxic materials, and warrant that the job site is in full compliance with applicable laws and regulations.
28. **RIGHT OF ENTRY:** Client hereby grants Engineer and its subcontractors or agents the right to enter from time to time property owned by Client and/or other(s) in order for Engineer to fulfill the scope of services included hereunder. Client understands that use of exploration equipment may cause some damage, the correction of which is not part of this Agreement. Client also understands that the discovery of certain hazardous conditions and/or taking preventive measures relative to these conditions may result in a reduction of the Property's value. Accordingly, Client waives any claim against Engineer and its subcontractors or agents, and agrees to defend, indemnify and hold Engineer harmless from any claim or liability for injury or loss allegedly arising from procedures associated with subsurface exploration activities or discovery of hazardous materials or suspected hazardous materials. In addition, Client agrees to compensate Engineer for any time spent or expenses incurred by Engineer in defense of any such claim with compensation to be based upon Engineer's prevailing fee schedule and expense reimbursement policy. Engineer shall not be liable for damage or injury from damage to subterranean structures (pipes, tanks, cables, or other utilities, etc.) which are not called to Engineer's attention in writing and correctly shown on the diagram(s) furnished by Client to Engineer.
29. **SAMPLES:** Soil, rock, water and/or other samples obtained from the Project site are the property of Client. Engineer shall preserve such samples for no longer than sixty (60) calendar days after the issuance of any document that includes the data obtained from them, unless other arrangements are mutually agreed upon in writing. Should any of these samples be contaminated by hazardous substances or suspected hazardous substances, it is Client's responsibility to select and arrange for lawful disposal procedures, that is, procedures which encompass removing the contaminated samples from Engineer's custody and transporting them to a disposal site. Client is advised that, in all cases, prudence and good judgment should be applied in selecting and arranging for lawful disposal procedures. Due to the risks to which Engineer is exposed, Client agrees to waive any claim against Engineer, and to defend, indemnify and hold Engineer harmless from any claim or liability for injury or loss arising from containing, labeling, transporting, testing, storing, or other handling of contaminated samples. Client also agrees to compensate Engineer for any time spent and expenses incurred by Engineer in defense of any such claim, with such compensation to be based upon Engineer's prevailing fee schedule and expense reimbursement policy.

**END OF GENERAL TERMS AND CONDITIONS**