

TASK ORDER APPROVAL FORM

CONTRACT #: 21-006-BDI-003

TASK ORDER #: 003

TASK ORDER AMOUNT: \$ 257,075.00

OFFERED BY CONSULTANT:

Baskerville-Donovan, Inc

FIRM'S NAME

T. Keith Hill, PE

REPRESENTATIVE'S PRINTED NAME

T. Keith Hill

SIGNATURE

President, COO

July 13, 2021

TITLE

DATE

RECOMMENDED FOR APPROVAL

APPROVED BY SANTA ROSA COUNTY

SIGNATURE

PROCUREMENT DEPARTMENT (if applicable)

TITLE

DATE

DATE

[Handwritten Signature]

COUNTY ADMINISTRATOR (if applicable)

CHAIRMAN (if applicable)

DATE

7/13/21

DATE

July 1, 2021

HAND DELIVERED

Dan Schebler
County Administrator
Santa Rosa County BOCC
6495 Caroline Street, Suite M
Milton, Florida 32570

RE: Site Geotech and Preliminary Layout

Dear Mr. Schebler;

Attached are two executed copies of the scope of work requested by you. The scope includes the initial services to evaluate the constructability of the water reclamation facility and the potential effluent disposal capacity on the County property in the Santa Rosa County Industrial Park.

Upon your approval and execution, please return one copy to us which will serve as our notice to proceed.

Sincerely,
BASKERVILLE-DONOVAN, INC.



Richard W. Delp, CSI-CDT
Environmental Market Director/VP

**SANTA ROSA COUNTY
NORTHWEST FLORIDA WATER RECLAMATION FACILITY
PRELIMINARY SITE PLAN LAYOUT SCOPE OF SERVICES**

07/01/21

Section I. BACKGROUND

The City of Milton (City) completed the design of a 2.0 MGD Water Reclamation Facility (WRF) on a parcel of land in the Santa Rosa County Industrial Park, directly north of the Juvenile Justice Center. The City and Santa Rosa County (County) have agreed that it would be in the best interest to re-site the WRF on a parcel of County owned property east of the existing site in order to provide a better buffer between the WRF, Cooper Basin and Blackwater River. Overall, re-siting will involve a preliminary WRF and rapid infiltration basin (RIB) site layout, geotechnical explorations, groundwater mounding analysis, wetlands delineation, surveying, development of a new hydraulic profile, WRF and RIB design, FDEP permitting, Santa Rosa County Development order and rebidding services of the project.

The County has requested that Baskerville-Donovan, Inc. (BDI) provide a task order for professional engineering for the initial site work necessary to determine the suitability of the site for the intended purpose to construct the WRF and associated rapid infiltration basins. The initial work shall include a preliminary site layout with hydraulic profile, geotechnical explorations, groundwater mounding analysis, and wetlands delineation. In order to minimize design efforts, the preliminary site layout will include the footprint of the equipment that was selected in the original design commissioned by the City. Once the geotechnical work and mounding analysis are completed, rapid infiltration basins will be included in the site design to the maximum capacity determined by the geotechnical investigation. The final design effort will make required modifications to the structures, mechanical, process, electrical, and instrumentation and controls as determined by the initial phase of work.

Section II. SCOPE OF SERVICES

TASK 1 – PRELIMINARY SITE LAYOUT & HYDRAULIC PROFILE

This task includes a conceptual layout of the WRF including primary, secondary, tertiary, biosolids treatment and dewatering, administrative offices, and support systems for improvements needed for the 2.0 MGD WRF. A hydraulic profile will establish the depth of bury and the height of each of the process basins as related to the proposed layout. Upon completion of the geotechnical work identified below, RIB's will be included to the preliminary site. Consideration will be given in this layout for future expansions. The layout will be based on the footprint of the equipment that was included in the previous design.

BDI shall utilize the most recent LIDAR data to develop the topography of the site to determine the process flow hydraulics. This task does includes the survey effort necessary to verify/calibrate the topography, identify boring locations and wetland boundaries, and set control points and construction baselines.

TASK 2 – GEOTECHNICAL EXPLORATION AND GROUNDWATER MOUNDING ANALYSIS

Larry Jacobs and Associates has provided a proposal (see attached) for geotechnical explorations and groundwater mounding analysis. The purpose of the exploration is to provide

data on soil conditions on site and use this data to evaluate the construction of RIBs for the disposal of reclaimed water, as well as provide additional information for permitting a RIB system. There are conditions for additional fees should unforeseen conditions be encountered on the site. Once the geotechnical group has completed about 25% of the borings, enough information will be available to move forward with re-siting the WRF and laying out RIB locations.

TASK 3 – WETLANDS DELINEATION

To ensure proper siting of the WRF and RIBs, it is important that the wetland boundaries be identified during this phase of the re-siting. Wetlands delineation will be identified by professionals with Biome Consulting Group. Biome has provided a proposal (see attached) to mark the delineation between the uplands and the wetlands. This delineation will be picked up during the survey effort and incorporated into the site plan.

Section III. DELIVERABLES

BDI will provide the following deliverables:

1. Three (3) copies of draft Preliminary Site Plan to the County and to the City
2. Three (3) copies of final Preliminary Site Plan to the County and to the City
3. One (1) paper copy and one (1) electronic copy of the Geotechnical Report and Mounding Analysis Report to the County and to the City

Section IV. SCHEDULE

The following is a project schedule by milestone task from the "Notice to Proceed". The total project schedule is based on review periods of 5 calendar days for the draft submittal. It is anticipated that the project schedule will be 190.

| Milestone Task | Calendar Days (each Task) | Calendar Days (from NTP) |
|---|--------------------------------------|-------------------------------------|
| Notice to Proceed | 0 | 0 |
| Draft Preliminary Site Plan and Hydraulic Profile | 20 | 20 |
| Wetland Delineation | 30 | 30 |
| Geotechnical and Mounding Analysis Report | 180 | 180 |
| Final Preliminary Site Plan | 10 | 190 |
| Total Project Duration | - | 190 days |

Section V. METHOD OF COMPENSATION

Compensation will be based on the percent of completion and invoiced on a monthly basis. Engineering services are provided on a lump sum fee and consulting services are provided as presented in the attached proposals. Fees for each task are identified in the following Summary of Services.

Summary of Services

| | |
|---|--------------|
| Task 1 – Preliminary Site Plan and Hydraulic Profile (Lump Sum) | \$65,800.00 |
| Task 2 – Geotechnical Exploration and Groundwater Mounding Analysis (See attached proposal) | \$181,775.00 |
| Task 3 – Wetland Delineation (See attached proposal) | \$9,500.00 |
| Total | \$257,075.00 |

BDI shall invoice the County monthly based on percent of the project completed or in accordance with an agreed upon payment schedule.

Section VIII. EXCLUSIONS

The services offered herein are for the tasks BDI currently understands as being necessary to evaluate the proposed site for constructability of the 2.0 MG WRF. We have attempted to include a comprehensive list of the required tasks to perform the requested professional services. Items not specifically stated are not included in our fee proposal, but could be included as additional services on an agreed upon lump sum amount or hourly fee proposal. Following is a list of some of the services specifically excluded from the scope of services:

1. Additional survey services beyond those specifically described in this scope;
2. FDEP construction permitting application;
3. ERP permitting application;
4. Permitting fees;
5. Santa Rosa County Development Order processing;
6. Services resulting from significant changes in the general scope, extent or character of the project or its design including, changes in size, complexity, schedule, character of construction or method of financing; and revising previously accepted studies, reports, design documents or Contract Documents when such revisions are required by changes in laws, rules, regulations, ordinances, codes or orders enacted subsequent to their preparation, or are due to any other causes beyond BDI's control;
7. Preparation of easement plats;
8. Easement acquisition or property appraisal services;
9. Special geotechnical inspections during construction;
10. Environmental site assessments;
11. Bidding services;
12. Assistance in connection with bid protests, re-bidding or renegotiating contracts for construction, materials, equipment or services and;
13. Construction phase services.

Section IX. ACCEPTANCE

If the above scope and fees meet your approval, please indicate by your signature in the space provided below and return one (1) signed copy which will constitute an agreement and a "Notice to Proceed" for the above referenced tasks to accomplish this work:


BASKERVILLE-DONOVAN, INC.



T. Keith Hill, P.E.
President/COO

7/1/2021
Date

SANTA ROSA COUNTY



Dan Schebler
County Administrator

7/13/21
Date



June 30, 2021

Mr. Richard Delp, CSI-CDT
Environmental Market Director/Vice President
Baskerville Donovan, Inc.
449 West Main Street
Pensacola, Florida 32501

**SUBJECT: Hydrogeological Exploration and Groundwater Modeling Proposal
Reclaimed Water Disposal Site
Santa Rosa County, Florida**

Dear Mr. Delp:

Larry M. Jacobs & Associates, Inc. (LMJ) sincerely appreciates the opportunity to submit the following proposal for providing a hydrogeological exploration for the subject project. The purpose of the exploration is to provide data on soil conditions on site and use this data to evaluate it for the construction of rapid infiltration basins for the disposal of reclaimed water, as well as provide additional information for permitting a RIB system. The following sections outline our recommended scope of services, a cost estimate for providing these services, and the proposed terms and conditions.

PROJECT AND SITE DESCRIPTION

The proposed site is in Santa Rosa County, Florida, just north of the Institutional Court roadway and the associated prison. The property is located between a river and wetlands area to the north and the prison to the south. Google Earth indicates that the property thickly wooded with some old unpaved roads across the site that may or may not be accessible. Based on the provided information, the site slopes from elevation +143 at the southeast corner to about elevation +84 at the northwest corner, and the area available for RIBs is reported to be about 66 acres. Reportedly, our client wants to use the property to dispose of at least 2 MGD of reclaimed water via rapid infiltration basins, and currently wants the hydrogeologic data needed to obtain a permit from FDEP. If the noted information is incorrect or changes, revisions to our proposal and scope of work may be needed.

PROPOSED SCOPE OF SERVICES

The following proposed scope of services is based on the information supplied and our experience in the area. LMJ has assumed that others will provide surveying services needed to determine the ground surface elevations at our boring and piezometer locations. We propose to perform the following:

- ▼ Stake the boring locations in the field using handheld GPS.
- ▼ LMJ plans to clear paths for our drill rig as needed, and we have provided a difficult moving and path clearing budget for the necessary equipment and staff.
- ▼ Clear registered utilities at the site with Sunshine State One Call. Private or non-registered utilities are the responsibility of the client to clear.
- ▼ Mobilize a truck mounted drill rig to the site up to three times.
- ▼ Drill 55 Standard Penetration Test (SPT) borings to a depth of 50, 80 or 110 feet. Thirty-five borings to 50 feet, fifteen borings to a depth of 80 feet, and five borings to a depth of 110 feet are proposed.
- ▼ LMJ plans to drill about ¼ of these borings, and temporarily pause the drilling operation while we review the conditions encountered in those borings. Depending upon the results, changes to our exploration such as boring locations and/or depths will be made as needed.



- ▼ Install ten PVC piezometers to a depth of about 30-50 feet, and about ½ of these piezometers are planned to be one inch in diameter, with the remainder two inch in diameter. Obtain permits from NFWMD for piezometer installation if needed.
- ▼ Our staff will visit the site up to five times to take water levels in the piezometers.
- ▼ Perform field slug testing in the 2-inch diameter piezometers to evaluate aquifer properties.
- ▼ Obtain up to 35 Shelby tubes for laboratory permeability and grainsize analysis testing.
- ▼ Perform a visual classification and laboratory testing of the soil samples obtained during our exploration. Laboratory testing may include up to 35 falling head permeability tests (includes unit weight) and basic properties testing. Basic properties testing may include moisture content, percent passing a number 200 sieve and/or grainsize to evaluate and document soil properties.

A professional geotechnical engineer licensed in the state of Florida will manage the project, and the results of the work will be presented in a report that will address the following:

- ▼ Existing site characteristics.
- ▼ Exploration, testing, and sampling methods.
- ▼ Subsurface soils encountered and soil classifications.
- ▼ Perform a preliminary evaluation of the suitability of the property for the construction of rapid infiltration basins after drilling about ¼ of the proposed borings. If the site appears to be suitable based on the soils data to date, proceed with the remaining borings and the work noted below.
- ▼ Depth to groundwater at the boring locations at the time of drilling and the depth to groundwater in the piezometers at subsequent visits to the property.
- ▼ A discussion of laboratory test results and field aquifer test results.
- ▼ Construct a numerical model of the site with the Visual MODFLOW computer program. Model construction is a lengthy process involving simulating the site geology, climatic conditions, and boundary conditions with the program to produce a model that can generally approximate the site soil and groundwater conditions. FDEP typically asks for a Visual MODFLOW type analysis for disposal projects of this size.
- ▼ Perform a groundwater mounding analysis using this model to evaluate the effect on site groundwater levels from dosing the proposed basins. Other computer programs, such as GRAMP, may also be used in the mounding analysis.
- ▼ Using the model and input from the project civil engineer, we will provide general recommendations on the best layout and dosing rate of the basins to maximize the site disposal capacity for reclaimed water.
- ▼ An estimate of groundwater flow rate and groundwater flow direction on site will be provided in our report.
- ▼ Geologic background data on the property.
- ▼ Provide general recommendations for a groundwater monitoring plan for the project.

ESTIMATED COSTS

We propose to provide the scope of services in this proposal for an estimated cost of **\$166,775.00**. Our itemized breakdown for these services is attached as **Figure #1**. Clearing paths with a dozer or other equipment to access the boring locations as well as difficult moving is estimated to cost an additional **\$15,000.00**. Note that we plan to invoice every month for the work completed to date. This proposal assumes



that the boring locations are accessible with our truck mounted drill rig, we have right of entry to the boring locations, and that we will not experience excessive delays due to debris at borehole locations or for other reasons outside of our control. If such conditions are encountered that may cause the cost of the exploration to exceed the budget figure, we will notify the client and obtain approval for the additional work before proceeding.

AUTHORIZATION

To authorize us to proceed with this project, please complete, sign, and return a copy of the attached **Agreement for Professional Services (Figure #2)** to our office. **LMJ** appreciates the opportunity to present you with this proposal, and we look forward to working with you on this project. If you have any questions or require any further information, please call us at your convenience.

Sincerely,
LARRY M. JACOBS & ASSOCIATES, INC.

A handwritten signature in black ink that reads "Terry Niemann". The signature is written in a cursive, flowing style.

Terry Niemann
Project Manager

Attachments

Figure #1

Cost Breakdown



Client: BDI
 Project: Santa Rosa County RIB Site

| Drilling/Field Services | | Unit Fee | Est. Qty. | Est. Cost |
|---|-----------|----------|-----------|--------------------|
| Mobilization | 0-25 Mi | \$425 Ea | 3 | 1,275.00 |
| 35 SPT @ 50 ft, 15 SPT @ 80 ft, 5 SPT @ 110 ft | 26-75 Mi | \$500 Ea | | |
| | 76-125 Mi | \$575 Ea | | |
| | | | | |
| Standard Penetration Test Borings | 0-40 Ft | \$15 Ft | 2200 | 33,000.00 |
| | 41-80 Ft | \$17 Ft | 1150 | 19,550.00 |
| | 81-120 Ft | \$21 Ft | 150 | 3,150.00 |
| Piezometer Installation, Two Inch Diameter | 0-40 Ft | \$32 Ft | 170 | 5,440.00 |
| | 41-60 Ft | \$35 Ft | 20 | 700.00 |
| Piezometer Installation, One Inch Dia. 2 @ 50 ft, 3 @ 30 ft | | \$25 Ft | 190 | 4,750.00 |
| Piezometer Permits | | \$120 Ea | 10 | 1,200.00 |
| 2-Man Drill Crew Mileage | | \$1 Mi | 2880 | 2,880.00 |
| Tech Time for Measuring Groundwater Levels | | \$55 Hr | 40 | 2,200.00 |
| Obtain Bulk/Shelby Tube Sample | | \$130 Ea | 35 | 4,550.00 |
| Engineering Technician (Locate Borings & Clear Utilities) | | \$75 Hr | 25 | 1,875.00 |
| Slug Testing, per 2 inch piezometer | | \$800 Ea | 5 | 4,000.00 |
| Drilling/Field Total | | | | \$84,570.00 |

| Laboratory Testing Services | | | |
|--|----------|-----|--------------------|
| Water Content | \$21 Ea | 170 | 3,570.00 |
| Sieve Analysis | \$105 Ea | 10 | 1,050.00 |
| Wash #200 Sieve | \$55 Ea | 170 | 9,350.00 |
| Atterberg Limits | \$105 Ea | | |
| Permeability & Sieve (Inc. Unit Weight, Moisture & Porosity) | \$185 Ea | 35 | 6,475.00 |
| Limerock Bearing Ratio (LBR) | \$425 Ea | | |
| Basic Properties Testing Allowance | Lump Sum | | |
| Laboratory Testing Total | | | \$20,445.00 |

| Engineering Services | | | |
|--|----------|-----|---------------------|
| Senior Principal Geotechnical Engineer | \$180 Hr | 40 | 7,200.00 |
| Principal Geotechnical Engineer | \$160 Hr | | |
| Project Engineer | \$120 Hr | | |
| Groundwater Modeling | \$135 Hr | 290 | 39,150.00 |
| Project Manager | \$110 Hr | 100 | 11,000.00 |
| CAD Technician | \$63 Hr | 70 | 4,410.00 |
| Engineering Total | | | \$61,760.00 |
| Total Estimated Cost | | | \$166,775.00 |



AN AGREEMENT FOR PROFESSIONAL SERVICES

| | | | |
|-----------------|--|---------------|--|
| CLIENT: | Mr. Richard Delp, CSI-CDT Environmental Market Director/Vice President Baskerville Donovan, Inc. 449 West Main Street Pensacola, Florida 32501 | DATE: | June 30, 2021 |
| | | PHONE: | 850.438.9661 |
| | | EMAIL: | rdelp@baskervilledonovan.com |
| SUBJECT: | Hydrogeological Exploration and Groundwater Modeling Proposal Reclaimed Water Disposal Site | | |

The attached letter forwards our cost proposal for providing an exploration for the subject project. We propose to provide the services as described and under the conditions presented in the attached letter for an estimated fee of \$166,775.00, plus \$15,000.00 for path clearing and difficult moving. This proposal is valid for 90 days.

LMJ looks forward to working with you on this project. Please have the party responsible for payment of our services **FILL IN THE BOXED SECTION** of this form, **SIGN YOUR AUTHORIZATION** and **RETURN ONE ORIGINAL** of this form to our office to activate our services including the distribution of our report. If the authorization for this work is faxed to initiate the work, we will still need the signed original authorization for our records, which can be forwarded by return mail. If you have any questions or comments, please feel free to call.

THE TERMS AND CONDITIONS ON PAGE TWO OF THIS FORM ARE PART OF THIS AGREEMENT.

FOR: LARRY M. JACOBS & ASSOCIATES, INC.

BY: [Signature]
President

TERMS: due on receipt

Herein constitutes my authorization to proceed with and obligates payment for the subject services referenced above in the proposal. Invoices are due when rendered. *Invoices shall be considered past due if not paid within 30 days after the invoice date, unless a previous agreement for extended time for payment has been arranged, and Larry M. Jacobs & Associates, Inc. (LMJ) may without waving any claim or right against Client, and without liability whatsoever to the Client, terminate the performance of the service. Retainers shall be credited on the final invoice. A service charge will be charged at 1.5% (or the legal rate) per month on the past due balance(s). In the event any portion or all of an account remains unpaid 90 days after billing the Client agrees to pay cost of collection, including all credit bureau, collection agency, and/or reasonable attorney's fees.*

PARTY RESPONSIBLE FOR PAYMENT:

| | |
|----------------------------------|-----------------------|
| Name _____ | Phone #: (____) _____ |
| Address _____ | Fax #: (____) _____ |
| City, State _____ Zip Code _____ | Email: _____ |

AUTHORIZED BY: _____
(Please Print or Type) Title Date

Signature: _____
(Must be signed by a Principal or Officer of the Company)

TERMS AND CONDITIONS

Larry M. Jacobs & Associates, Inc. (LMJ) its officers, stockholders, and employees, hereinafter referred to as the Geotechnical Engineer of Record (GER), shall perform the services outlined in this agreement for the stated fee agreement.

Access to Site and Hidden Utilities

Unless otherwise stated, the GER will have access to the site for activities necessary for the performance of the services. The GER will take precautions to minimize damage due to these activities but has not included in the fee the cost of restoration of any resulting damage. The GER shall not be responsible for damage to hidden utilities. It is the Clients' responsibility to provide the GER with the locations of said hidden utilities.

Fee

The total fee shall be understood to be an estimate, based on an agreed upon Scope of Services, and shall not be exceeded without approval of the Client.

Indemnification

The Client shall indemnify and hold harmless the GER and all of its personnel from and against any and all claims, damages, losses and expenses (including reasonable attorney's fees) arising out of or resulting from the performance of the services, provided that any such claims, damage, loss or expense is caused in whole or in part by the negligent act of omission, and/or strict liability of the Client, anyone directly or indirectly employed by the Client (except the GER) or anyone for whose acts any of them may be liable.

Hidden Conditions

A geotechnical condition is hidden if it is not encountered in the planned geotechnical investigation which incorporates currently accepted standards of Geotechnical Engineering. If the GER has reason to believe that such a condition may exist, the client shall authorize and pay for all costs associated with the investigation of such a condition and, if necessary, all costs necessary to correct said condition. If (1) the client fails to authorize such investigation or correction after due notification, or (2) the GER has no reason to believe that such a condition exists, the client is responsible for all risks associated with this condition, and the GER shall not be responsible for the existing condition or any resulting damages to persons or property. The GER shall also not be responsible for the release or aggravation of any hazardous materials encountered by the geotechnical investigation.

Risk Allocations

In recognition of the relative risks, rewards and benefits of the project to both the Client and the GER, the risks have been allocated so that the Client agrees that, to the fullest extent permitted by law, the GER's total liability to the Client, for any and all injuries, claims, losses, expenses, damages or claim expenses arising out of this agreement, from any cause or causes, shall not exceed the total amount of \$50,000, the amount of the GER's fee (whichever is greater) or other amount agreed upon when added under special conditions. Such causes, include, but are not limited to the GER's negligence, errors, omissions, strict liability, breach of contract or breach of warranty.

Termination of Services

This agreement may be terminated upon 10 days written notice by either party should the other fail to perform his obligations hereunder. In the event of termination, the Client shall pay the GER for all services, rendered to the date of termination, all reimbursable expenses, and reimbursable termination expenses.

Ownership Documents

All documents produced by the GER under this agreement shall remain the property of the GER and may not be used by this Client for any other endeavor without the written consent of the GER.

Applicable Law

Unless otherwise specified, the laws of the principal place of business of the GER shall govern this agreement.

Mediation

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, the Client and the GER agree that all disputes between them arising out of or relating to this agreement shall be submitted to non-binding mediation unless the parties mutually agree otherwise.

Invoicing

Invoicing is on a monthly basis with payment due upon receipt of invoice. A service charge will be charged at 1.5% (or the legal rate) per month on the past due balance(s). In the event any portion or all of an account remains unpaid 90 days after billing the Client agrees to pay cost of collection, including all credit bureau, collection agency, and/or reasonable attorney's fees.

Testing and Observations

Testing and observations are discrete sampling procedures and results only represent conditions at the depths, locations, and times the tests were performed. Client understands that testing and observations are not continuous or exhaustive and are conducted to reduce, but not eliminate, project risk. Client agrees to the level and amount of testing and observations performed and the associated risk. LMJ is not responsible for damages for services not performed due to failure to request or schedule by the Client. LMJ is not responsible for the quality and completeness of Client's contractor's work or the contractor's adherence to the project documents. LMJ's services do not relieve the Client's contractor from its responsibility for complying with the contract documents or from its responsibility for any defects discovered in its work or create a warranty or guarantee.



June 29, 2021

Richard W. Delp, CSI-CDT
BASKERVILLE-DONOVAN, INC.
449 W Main Street
Pensacola, FL 32502
rdelp@baskervilledonovan.com
850.438.9661

RE: Wetland Jurisdictional Assessment – Milton WWTP +/- 100 Acres
Portion of Santa Rosa County Parcel: 29-2N-27-0000-00100-0000

Dear Mr. Delp,

This letter shall constitute a Scope of Services Agreement in support of your property evaluation relative to the above referenced parcel.

Task I - Perform a wetland jurisdictional determination according to Federal and State Guidelines:

Biome Consulting Group agrees to perform jurisdictional wetland determinations and field delineations pursuant to the US Army Corps of Engineers (ACOE) Section 404 of the Clean Water Act and the State of Florida Department of Environmental Protection (FDEP) Chapter 62-340 (FAC) within the boundary limits of the above referenced parcel. Near the proposed work area, wetland data will be collected using a Trimble GEO7X hand-held GPS unit with sub-meter accuracy. The wetlands on the remainder of the site will be "desktop delineated", meaning we will use aerial imagery to interpret the approximate wetland boundary. The results will be made available in a .pdf report (.dwg format upon request) and will include:

- ✓ Acquire and review soil maps and aerial images of the site;
- ✓ Visit the site and analyze plant communities, soils, and hydrology to determine the extent of wetland area on the property;
- ✓ Field delineate wetland boundaries with survey flagging tape and;
- ✓ Locate wetland flags via hand-held, sub-meter accurate GPS unit near the proposed work area only;
- ✓ "Desktop delineate" wetlands outside of the proposed work area
- ✓ Prepare a map depicting the wetland areas on the property and provide a digital copy of our report & map.

The fee for the above-described services will be \$9,500 due upon completion. The timetable for completion will be **30 business days** from notice-to-proceed date.

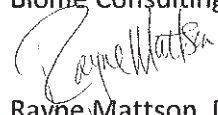
Payment is not contingent upon the sale or purchase of the subject real-estate, jurisdictional status determined as a result of this assessment or any factor other than Biome Consulting Group's completion of the identified scope of services. If desired, additional services including consulting with

client on land-use decisions, regulatory compliance issues, and permitting strategy will be conducted on a time and materials basis.

Your signature on this letter indicates your acceptance of the terms of this Scope Letter, grants Biome Consulting Group and its representatives right of entry onto the subject property, and will serve as our notice to proceed. The services performed hereunder shall be subject to the Terms and Conditions set forth in the Agreement for Services referenced above.

Thank you for this opportunity to be of service.

Respectfully,
Biome Consulting Group



Rayne Mattson, M.S.
Ecological Consultant

Client Signature: _____ Date: _____

Printed
Name: _____