



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 1

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1923224

Procurement Type: Central Purchase Order

Vendor ID: 000000198575

Legal Name: WETLAND STUDIES & SOLUTIONS INC

Alias/DBA:

Total Bid: \$156,600.00

Response Date: 04/09/2026

Response Time: 9:11

Responded By User ID: WSSI_Contracts

First Name: Amy

Last Name: Connelly

Email: contracts@wetlands.com

Phone: 7036795600

SO Doc Code: CRFQ

SO Dept: 0211

SO Doc ID: GSD2600000035

Published Date: 4/6/26

Close Date: 4/9/26

Close Time: 13:30

Status: Closed

Solicitation Description: Tree Risk Assessment Services - 38 specified Oaks

Total of Header Attachments: 1

Total of All Attachments: 1

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Arborist services				156600.00

Comm Code	Manufacturer	Specification	Model #
70111506			

Commodity Line Comments:

Extended Description:

See Exhibit A. If submitting an electronic bid - enter the Overall Total Cost on this commodity line.



WSSI completes tree assessments in several high-profile locations in Washington, D.C. including the U.S. Capitol

Tree Risk Assessment Services

State of West Virginia
CRFQ-0211-GSD2600000035
April 9, 2026





due April 9, 2026

Ms. Tara Lyle, Buyer Supervisor
State of West Virginia
2019 Washington Street East
Charleston, WV 25305

via upload to wvOASIS Portal

Re: CRFQ-0211-GSD2600000035 – Tree Risk Assessment Services

Dear Ms. Lyle,

Wetland Studies and Solutions, Inc. (WSSI), a Davey Tree Company, is pleased to submit our qualifications and proposal in response to CRFQ-0211-GSD2600000035 – Tree Risk Assessment Services. Our firm focuses on providing the best environmental consulting services for government agencies and private clients; our consulting arborists regularly work with trees in high-profile landscapes including the U.S. Capitol and National Mall and the grounds of Smithsonian museums, as well as numerous local parks and planned developments, all places where the trees are of greatest value to the community and safety is essential. Our highly qualified staff use the best tools - including resistance drills and PiCUS Sonic Tomograph - to assess trees for health and condition, and determine the best management practices for preservation. Our team excels at early identification of constraints, clear communication with clients, and practical solutions.

I would serve as the State's main point of contact, and our Charleston-area Davey Tree office will provide local support with additional staffing and aerial lift trucks for our work; they have worked extensively on the site. As a subsidiary of the Davey Tree Expert Company, WSSI has access to additional arboriculture and urban forestry resources to address any tree-related issue for our clients. We are further strengthened by our connection with the Davey Institute, Davey Tree's technical development and research branch.

We have included the requested pricing form (Exhibit A) as well as detailed proposal for the Tree Risk Assessment efforts described in the RFP. We appreciate the opportunity to serve the State of West Virginia and look forward to hearing from you; you can reach me at chulse@wetlands.com or (703) 679-5715. Thank you for considering WSSI and Davey Tree as your trusted partner in arboricultural and environmental consulting.

Sincerely,
WETLAND STUDIES AND SOLUTIONS, INC.

A handwritten signature in dark ink, appearing to read "Cary Hulse".

Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ
Manager – Urban Forestry





SHORT FORM CONTRACT PROFESSIONAL SERVICES AGREEMENT

CLIENT: State of West Virginia **DATE:** April 7, 2026
ADDRESS: 2019 Washington Street East
Charleston, WV 25305 **PROJECT NAME:** WV State Capitol Tree Risk Assessment
ATTN: Tara Lyle **CRFQ 0211 GSD2600000035**
PHONE: 304-558-2544 **WSSI PROPOSAL #:** P32845

In response to Solicitation Number CRFQ 0211 GSD2600000035, dated March 19, 2026, Wetland Studies and Solutions Inc. (WSSI) will provide professional arboricultural consulting services in accordance with the scope of work outlined below.

SCOPE AND FEE

Task 1 – Tree Risk Assessment

Lump Sum of \$156,600

Per Solicitation Number CRFQ 0211 GSD2600000035, WSSI's ISA Certified and Tree Risk Assessment Qualified Arborists will conduct a detailed assessment of 38 mature trees located on the State Capitol Grounds. This task assumes all work will be completed in a single mobilization. Specific trees to be included will be identified on site by the client at the time of the assessment. This scope includes all related travel and other efforts necessary to complete the tasks outlined below.

The assessment will consist of the following specific activities:

- 1) WSSI will conduct a general visual condition assessment of each tree, documenting tree species, size, and narrative notes of pertinent defects. Tree condition will be assessed using the methods outlined in the Council of Tree and Landscape Appraisers *Guide for Plant Appraisal, 10th edition*. Inventoried trees will be tagged with a numbered aluminum medallion for future reference if permitted by the client. A photographic record will also be collected for each tree.
- 2) WSSI will document the approximate location of each assessed tree and associated tree ID (tag) number.
- 3) WSSI will conduct a basic (Level 2) risk assessment on each tree utilizing the ISA tree risk assessment form. Risk assessments will be based on a period of one year and will focus on the single most significant defect or condition for each tree. Targets will generally be considered for pedestrians, architectural and mechanical infrastructure, and parked cars. Basic assessments are limited to ground-based, visual assessment only.
- 4) WSSI will provide an advanced (Level 3) assessment of each tree focusing on the single most significant defect or condition revealed by the basic assessment in Item #3 above. Level 3 assessments will include the following:
 - a) Visual aerial inspection of the upper trunk and canopy, to be conducted using a bucket truck and/or drone. Aerial inspection will be limited to those areas within reach of a 75-foot aerial lift.
 - b) Sonic tomography scans of both the tree base and significant locations within the upper trunk. Upper trunk scans will be conducted using a bucket/aerial lift truck and will be limited to those areas within reach of a 75-foot aerial lift. Upper trunk scans will be focused on visible defects such as trunk decay, hollow areas, or visibly weakened branch unions. This task assumes no more than 2-3 scan locations per tree.
 - c) Resistance drilling will be used at the arborist's discretion to either corroborate the results of sonic tomography scans or test additional locations where sonic tomography scans may not be feasible (such as areas of complex branch geometry). Resistance drilling will be used only where deemed necessary by WSSI and may not be used on every tree or scan location.
 - d) Tissue (foliage/twig) samples will be collected as appropriate and sent for diagnostic laboratory testing.

Following all fieldwork, WSSI will provide a report outlining the findings of the tree assessment efforts. The report will include the following:

- 1) Outline of methods and observations
- 2) The results of the general condition assessment, including basic tree data, in spreadsheet format.
- 3) ISA risk assessment forms (including each tree's assessed likelihood of failure, likelihood of impact, and consequences of failure).
- 4) Narrative results and discussion of the advanced assessments for each tree, including tomograms and resistance drill readings.

The sonic tomography scans will provide color-coded two-dimensional images (tomograms) which represent relative wood density within the tree. Resistance drill readings will provide a two-dimensional graphical representation of the drill's resistance to wood in the tree.

- 5) A summary of risk assessment results, including the assigned risk rating (low, moderate, high, or extreme) for each tree.
- 6) A narrative of potential implications of proposed pruning (pruning to remove all tree parts overhanging the street, parking, and sidewalks).
- 7) A summary of recommendations for management and maintenance activities for each tree.
- 8) A list of recommended potential replacement species.
- 9) Maps depicting the approximate location of each tree, symbolized by risk rating and by maintenance recommendations.
- 10) Representative photos of each tree.

The report will be provided in PDF format.

Following delivery of the report, WSSI will schedule one (1) in-person follow-up meeting with the client team at a mutually agreeable time. The meeting will be held at the project site to review the report and relevant findings and recommendations with the team.

Materials to be Provided by Owner/Client

1. Client shall ensure that WSSI has sufficient permission and access to the site during all daylight hours (assumed to be 6 am through 8 pm, including weekends) to conduct the scope herein. This includes permission to: park on site, block sidewalks and parking spots as needed, bring aerial lift trucks and other equipment/trucks within the lawn areas around each tree, drill each tree with resistance drill equipment, and apply nails to trees as needed to conduct tomography scans.
2. Tree Tags – if the client permits tree tags, numbered aluminum medallions will be physically attached to the trees in question. Tree tags will be attached to the trees with aluminum nails.
3. Client shall ensure that sidewalks and parking areas will be blocked and secured prior to WSSI's mobilization as needed for access to trees to conduct the scope above.
4. Client shall provide any security badging required for WSSI staff to access the site. WSSI staff will provide applicable forms and submit to fingerprinting as needed for this endeavor.

Exclusions and Limitations:

1. *Assessment results and recommendations are intended to inform decisions relating solely to this project and are not intended to be applied beyond the duration of the project.*
2. *This assessment considers only typical conditions for the region and cannot be applied to unusual or extraordinary weather events (e.g., tornado, hurricane, derecho) or failures that are not predictable given current industry knowledge (e.g., sudden branch drop).*

3. *This tree risk assessment is based on a one-year timeframe. The risk assessment is valid for one year from the date of fieldwork. The risk assessment will be invalidated should any changes to site conditions (such as construction or utility maintenance activities) or tree conditions (such as damage from storms) occur prior to the conclusion of the one-year timeframe.*
4. *No tree location survey or other land survey services are included with this scope.*
5. *No soil, root crown excavation, sub-surface, or root investigations are included with this scope.*
6. *No tree preservation plan or tree protection recommendations are included with this scope.*
7. *No landscape plan or planting plan is included with this scope.*
8. *Ground Penetrating Radar (GPR, or Tree Radar) scans are not included with this scope. GPR is typically utilized for mapping tree root density and depth patterns. While GPR can be used to detect decay in tree trunks, WSSI finds that sonic tomography provides superior results in this application. GPR will not be used for decay detection and is not included with this scope.*
9. *To the extent WSSI's Services involve the evaluation or documentation ("Observational Data") of trees, tree inventories, natural areas, wetlands and other water features, animal or plant species, or other subjects (collectively, "Subjects"), the Observational Data will pertain only to the specific point in time it is collected (the "Time of Collection"). WSSI will not be responsible nor in any way liable for (a) any conditions not discoverable using the agreed upon means and methods used to perform the Services, (b) updating any Observational Data, (c) any changes in the Subjects after the Time of Collection (including, but not limited to, decay or damage by the elements, persons or implements; insect infestation; deterioration; or acts of God or nature [collectively, "Changes"]), (d) performing services that are in addition to or different from the originally agreed upon Services in response to Changes, or (e) any actions or inactions of you or any third party in connection with or in response to the Observational Data. If a visual inspection is utilized, visual inspection does not include aerial or subterranean inspection, testing, or analysis unless stated in the scope of work. WSSI will not be liable for the discovery or identification of non-visually observable, latent, dormant, or hidden conditions or hazards, and does not guarantee that Subjects will be healthy or safe under all circumstances or for a specified period, or that remedial treatments will remedy a defect or condition.*

The price is only fixed for thirty (30) days from the date of this proposal. Our fee for services will be invoiced as outlined above and using the enclosed Attachment A - Rate Schedule.

If this short form contract outlines your understanding of the scope of services, please sign below and return a copy to our office.

Thank you for the opportunity to present this proposal.

Sincerely,

CLIENT ACCEPTANCE:

Signature: _____

Accepted by (print name): _____

Legal Name of Client: _____

Date: _____

Wetland Studies and Solutions, Inc.



Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ
Manager – Urban Forestry

By signing above, you are creating a legal obligation between the client listed on this proposal and Wetland Studies and Solutions, Inc. (WSSI). This obligation cannot be transferred to a third party without prior written consent from both WSSI and the third party.

Enclosures: Attachments A

CLIENT'S PREFERRED METHOD OF INVOICE SUBMISSION

How would you like to receive invoices for this project?;

Mail: Invoice(s) will be mailed to the address listed on this proposal.

E-mail: Invoice(s) will be emailed to _____

Other: Please provide instructions below:

Attachment A

The following is a listing of the Wetland Studies and Solutions, Inc. (WSSI) rates for professional and reprographic services. These rates will remain in effect through December 31, 2026, after which time they may be adjusted to reflect our current labor and overhead costs.

Professional Services

Operations Manager	\$ 357.31	Consultant II	\$ 145.88
Director III	\$ 328.06	Consultant I	\$ 130.86
Director II	\$ 287.95	Technician IV	\$ 119.01
Director I	\$ 177.47	Technician III	\$ 109.93
Principal III	\$ 249.95	Technician II	\$ 96.11
Principal II	\$ 210.38	Technician I	\$ 80.29
Principal I	\$ 166.94	Assistant	\$ 67.78
Consultant V	\$ 213.77	Admin. Assistant	\$ 80.31
Consultant IV	\$ 185.16	Intern	\$ 54.53
Consultant III	\$ 166.40		

Typical Reimbursable Costs

In-House Reprographic Services¹

Rate/Square Foot	Rate/Sheet
Paper Cad Plots (B&W)	\$0.35
Paper Cad Plots (Color)	\$0.75
Mylar Cad Plots	\$2.00
Color Cad Plots – Photo Quality	\$4.00
B&W Xerox (8.5x11)	\$0.10
Color Xerox (8.5x11)	\$0.85
Color Xerox (11x17)	\$1.70
Standard Report Supplies	minimum \$8.00/rpt

GIS and CAD system charges are included in billable rates. Reimbursable expenses shall include the following²:

- **Local Automobile Travel** @ currently approved IRS rate
- **All-Terrain Vehicle Use** @ \$10/hour³
- **Tractor** @ \$35/hour; \$750/week; \$2,250/month³
- **2200 Bobcat Utility Vehicle** @ \$15/hour³
- **T-300 Bobcat** @ \$45/hour; \$1,000/week; \$2,500/month³
- **E60 Bobcat Trackhoe** @ \$60/hour; \$1,300/week; \$3,400/month³
- **Aluminum Medallion Tree Tags** @ \$0.20 each
- **Resistance Drill** @ \$100/day³
- **Ground Penetrating Radar** @ \$500/day³
- **Sonic Tomograph** @ \$100/day³
- **Bat Acoustic Monitor Equipment** @ \$100 per set up
- **Bailers Disposable (Polyethylene)** @ \$7 each³
- **PID Meter** @ \$85/day³
- **Oil/Water Interface Probe** @ \$35/day³
- **pH Meter** @ \$15/day³
- **Turbidity Monitor** @ \$25 per day³
- **SWPPP Boxes** @ \$90 each
- **SWPPP Board** @ \$50 each
- **PPE-Level D** @ \$10/day³
- **Artifact Boxes** @ \$350 each
- **Hydron-RCV** @ \$30/hour³
- **Commercial Grade Tablet GPS Unit (≥3 meters horizontal)** @ \$55/day³
- **Differential Grade GPS Unit (≤1 meter)** @ \$120/day³
- **Leica Robotic Total Station** @ \$55/hour³
- **UAV (Drone) Photo/Video** @ \$50/hour³
- **UAV (Drone) Photo/Video (Blue UAS)** @ \$75/hour³
- **Mobile LiDAR** @ \$500/day³
- **Aerial LiDAR** @ \$800/day³

Expenses including but not limited to the following will be charged at cost plus a 20% administrative processing fee²:

- Permit and review fees, public notice advertisements;
- Air travel, rental vehicles, lodging, and meals for sites not within commuting distance from local WSSI office;
- Third party vendor photocopying or reproduction of drawings or documents as requested by Owner or consultants;
- Postage and expedited delivery services requested by Owner or consultants;
- Rented Equipment;
- Artifact Archival Storage Fees; and,
- Third party consulting services, as authorized by Client, for services such as surveying, archeology, endangered species searches, geotechnical surveys, septic field-testing, permeability tests, etc.

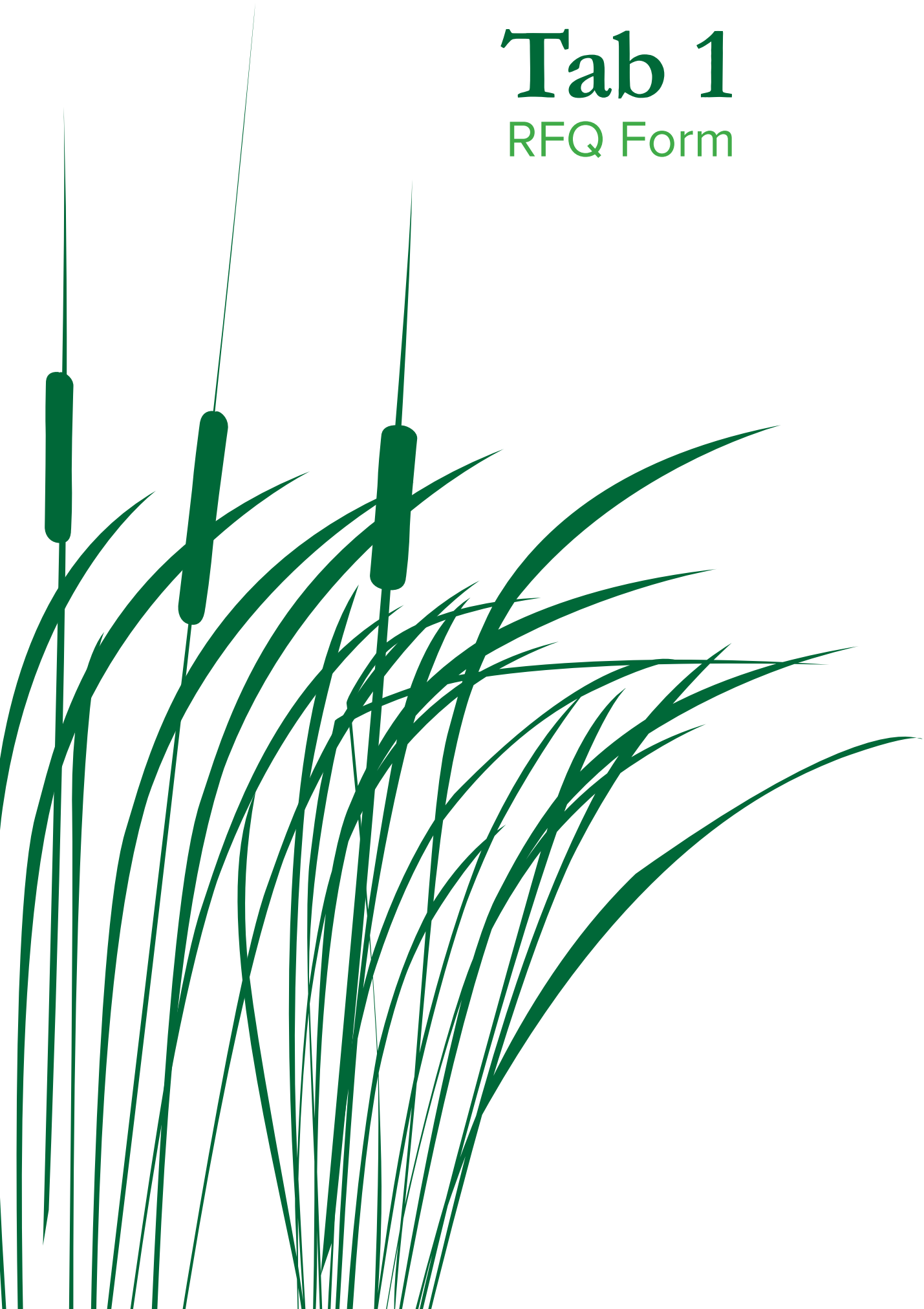
¹ WSSI maintains hard copy files and report copies for our records, regardless of Client deliverables. These in-house copies will be billed in accordance with the listed reprographic pricing.

² This list includes typical reimbursables but is not a comprehensive list; other reimbursables may be included.

³ Excluding operator; mobilization included in hourly, daily, weekly, or monthly rate.

Tab 1

RFQ Form





Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Consulting

Proc Folder: 1923224			Reason for Modification:
Doc Description: Tree Risk Assessment Services - 38 specified Oaks			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2026-03-19	2026-04-09 13:30	CRFQ 0211 GSD2600000035	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 000000198575
Vendor Name : Wetland Studies and Solutions, Inc.
Address :
Street : 5300 Wellington Branch Drive, Suite 100
City : Gainesville
State : VA **Country :** U.S. **Zip :** 20155
Principal Contact : Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ
Vendor Contact Phone: (703) 679-5600 **Extension:**

FOR INFORMATION CONTACT THE BUYER
 Tara Lyle
 (304) 558-2544
 tara.l.lyle@wv.gov


Vendor Signature X **FEIN#** 54-1603789 **DATE** 4/9/2026

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of The Department of Administration, General Services Division, contract for Consultant Services for Tree Risk Assessment. per the bid requirements, specifications and terms and conditions as attached hereto.

A mandatory pre-bid meeting on 03/30/2026 at 1:30 pm EST at the WV General Services Division - 6th Floor Conference Room at 112 California Avenue Charleston, WV 25311 at the State Capitol Complex in Charleston, WV.

INVOICE TO**SHIP TO**

DEPARTMENT OF
ADMINISTRATION
112 CALIFORNIA AVENUE

BLDG 4, 6TH FLOOR
CHARLESTON WV
US

STATE OF WEST VIRGINIA

JOBSITE - SEE
SPECIFICATIONS

No City
US

WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Arborist services				

Comm Code**Manufacturer****Specification****Model #**

70111506

Extended Description:

See Exhibit A. If submitting an electronic bid - enter the Overall Total Cost on this commodity line.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory prebid mtg at 1:30 pm	2026-03-30
2	Technical questions due by 12 pm	2026-04-02

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ,
TPAQ, Manager - Urban Forestry

(Address) 5300 Wellington Branch Drive, Suite 100, Gainesville, VA 20155

(Phone Number) / (Fax Number) (703) 679-5600 / (703) 679-5601

(email address) chulse@wetlands.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through WV OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Wetland Studies and Solutions, Inc.

(Company)



(Signature of Authorized Representative)

Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ, Manager - Urban Forestry, 4/9/2026

(Printed Name and Title of Authorized Representative) (Date)

(703) 679-5600 / (703) 679-5601

(Phone Number) (Fax Number)

chulse@wetlands.com

(Email Address)

REQUEST FOR QUOTATION
CRFQ GSD26*35 - Consultant Services – Tree Risk Assessment

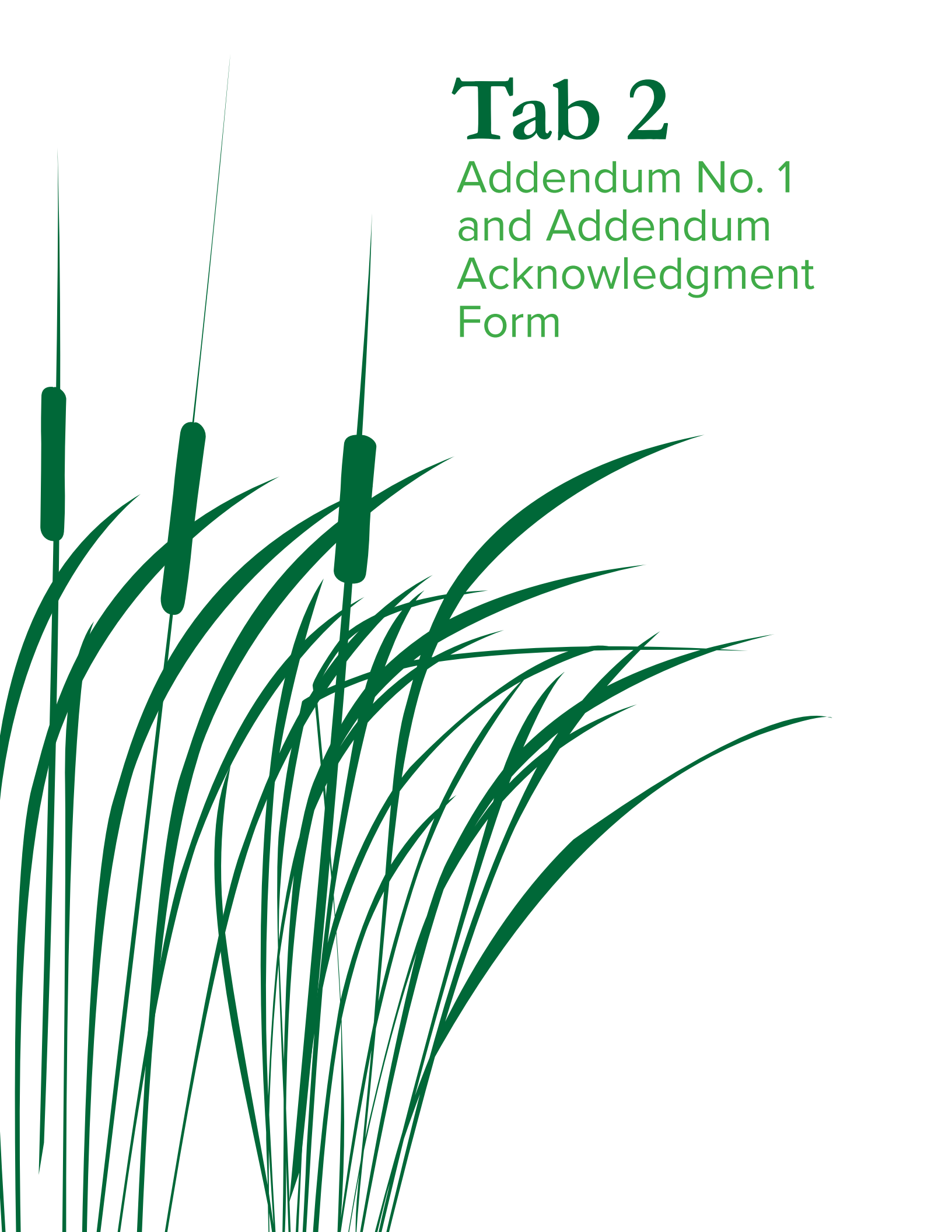
11. MISCELLANEOUS:

11.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager:	<u>Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ</u>
Telephone Number:	<u>(703) 679-5600</u>
Fax Number:	<u>(703) 679-5601</u>
Email Address:	<u>chulse@wetlands.com</u>

Tab 2

Addendum No. 1
and Addendum
Acknowledgment
Form





Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Consulting

Proc Folder: 1923224		Reason for Modification:	
Doc Description: Tree Risk Assessment Services - 38 specified Oaks		Addendum No. 1	
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2026-04-03	2026-04-09 13:30	CRFQ 0211 GSD2600000035	2

BID RECEIVING LOCATION

BID CLERK
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 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 000000198575
Vendor Name : Wetland Studies and Solutions, Inc.
Address :
Street : 5300 Wellington Branch Drive, Suite 100
City : Gainesville
State : VA **Country :** U.S. **Zip :** 20155
Principal Contact : Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ
Vendor Contact Phone: (703) 679-5600 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
 (304) 558-2544
 tara.l.lyle@wv.gov

Vendor
 Signature X

FEIN# 54-1603789

DATE 4/9/2026

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 1 is issued for the following -

1. To publish the responses to vendor technical questions, per Attachment A.
2. To publish the pre-bid sign-in sheet, per Attachment A.
3. The bid opening remains on 04/09/2026 at 1:30 pm EST.

No other changes.

INVOICE TO	SHIP TO
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DEPARTMENT OF ADMINISTRATION 112 CALIFORNIA AVENUE BLDG 4, 6TH FLOOR CHARLESTON WV US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV US
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Arborist services				

Comm Code	Manufacturer	Specification	Model #
70111506			

Extended Description:

See Exhibit A. If submitting an electronic bid - enter the Overall Total Cost on this commodity line.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Mandatory prebid mtg at 1:30 pm	2026-03-30
2	Technical questions due by 12 pm	2026-04-02

SOLICITATION NUMBER: CRFQ GSD2600000035
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Addendum is issued to publish and distribute the following information to the Vendor community.

1. To publish the responses to vendor technical questions, per Attachment A.
2. To publish the pre-bid sign-in sheet, per Attachment A.
3. The bid opening remains on 04/09/2026 at 1:30 pm EST.

No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A - CRFQ GSD26*35
ADDENDUM NO. 1

Questions and Responses:

Q1. Background checks – what is required to process the background checks and what timeline is expected for this? Will one or more in-person visits to the site or other facility be required to complete these background checks and any related badging that may be required?

A1. See attached documentation on obtaining background checks. The background check is valid for a 3-year period.

Q2. Timeline – the scope states 30 days for the work. The work described is extensive and may take more than 30 days to complete considering all fieldwork, data processing and testing, and report preparation required as well as potential weather delays. Please consider extending this timeline to at least 90 days or more.

A2. Agency will extend initial period to 90 days. If additional time is needed, we can extend the contract with a change order.

Q3. The scope requires visual assessment of each tree, then also requires advanced assessment using resistance drill and another non-invasive advanced assessment method. Please clarify that the advanced assessment (resistance drilling and/or non-invasive methods) will only be required for those specific areas of the tree trunk that are identified as suspected decay/damage during the visual assessment, and that it is understood that the advanced assessment will not and cannot feasibly be performed on the entire trunk or tree.

A3. Section 4.1 of the specifications is revised as follows:

4.1.1 Assessment: Within ninety (90) calendar days after award of the Contract, Vendor shall perform an examination of the visual nature of each tree's roots, trunk, and crown to determine structural defects. Additionally, the Vendor shall conduct aerial inspection, using their own equipment (e.g. bucket trucks, drones, etc.); shall perform tissue sampling and testing (as appropriate and possible at the seasonal time of the inspection, and as is necessary to produce the report and recommendations mentioned herein); shall perform at least one (1) other non-invasive advanced diagnostic testing method (e.g. sonic tomography, electrical resistance, etc.) to visualize the internal structure of the tree(s) to detect decay, cavities, and/or cracks; and if necessary, shall perform resistance drilling. All these aforementioned methods of assessment shall be incorporated by the Vendor into their final report for each tree.

ATTACHMENT A - CRFQ GSD26*35
ADDENDUM NO. 1

- Q 4. The scope requires resistance drilling on every tree in addition to a second, non-invasive testing method. It has been our practice to utilize sonic tomography to identify likely decay areas first, then only use drilling in a limited way as needed to verify and corroborate the results of the tomography. This limits the drilling injury to the tree. Please consider revising the scope to reflect this approach to limit tree injury from drilling.
- A4. See response to Q 3.
- Q5. Please clarify that the presence or extent of any possible root damage or root decay is not discoverable utilizing the methods outlined in the solicitation and that tree failure due to root damage or decay will not be addressed in the resulting report except to the extent that visual assessment can inform such results.
- A5. The agency understands that the scope of work indicated in the solicitation involves only the above-ground portion of the tree assessment.
- Q6. Please clarify if drones may be used for the initial aerial inspection, and if so, what requirements may be in place for their possible use on the site.
- A6. Drones may be utilized with prior approval of the FAA and Division of Protective Services (DPS). DPS requires a copy of the FAA approved flight plan and the pilots license to be provided in advance
- Q7. At the meeting the risk assessment process was discussed. We discussed a risk assessment timeframe of 1 year and that parked cars and pedestrians were the primary target of concern. Please clarify that a risk assessment timeframe of one year is acceptable and that parked cars and pedestrians will be the targets considered.
- A7. Agency intends for the assessment to project the health and risks for a year post assessment. We would request that the assessment take into consideration of risks to pedestrian walkways, architectural and mechanical features (i.e. buildings, light posts, statues, parking meters, etc.). Assessment should project the risk to the health of the trees should the Agency trim trees back to the grass side of the sidewalks, to include viability of tree remaining viable, or recommendation to remove and replace (with recommendation for suitable alternate species of tree).

OTHER INFORMATION:

1. The bid opening remains at 1:30 pm EST.
2. Pre-bid sign-in sheet attached.



Pre-Bid Sign-In Sheet (WV-32)

Solicitation No.: CRFQ GSD2600000035
 Date of Pre-Bid Meeting: 3/30/2026
 Location of Pre-Bid Meeting: Bldg 4, 6th Flr. Conf. Rm.
 Mandatory Not Mandatory

Page 1 of 1

PLEASE NOTE:

- Vendors must sign in on this sheet to verify attendance at the pre-bid conference meeting.
- Failure to legibly sign in may be grounds for declaring a vendor ineligible to bid.
- For further verification, please provide a business card, if possible.

One Vendor Per Representative: No one individual is permitted to represent more than one vendor at the pre-bid conference. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

Firm Representative:	Representative Name (Printed)	Firm Address:	Telephone:	Email Address:
Wetland Studios & Solutions Inc	CARY Hulse	5300 Wellington Blanca Drive STE 100 GAINESVILLE VA 20155	571 436 6149	CHulse@wetlands.com
Dairy Tree	ED Leys	60 JASTY BLVD FREEZER BOTH	304 791-1685	ed.leys@edamg.com
Trinity Tree SRVS.	Bill Bohler	PO Box 3396 Beckley, WV 25801	304-575-6065	bill@trinitytreewv.com

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ GSD2600000035

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

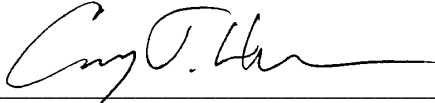
Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Wetland Studies and Solutions, Inc.

Company



Authorized Signature

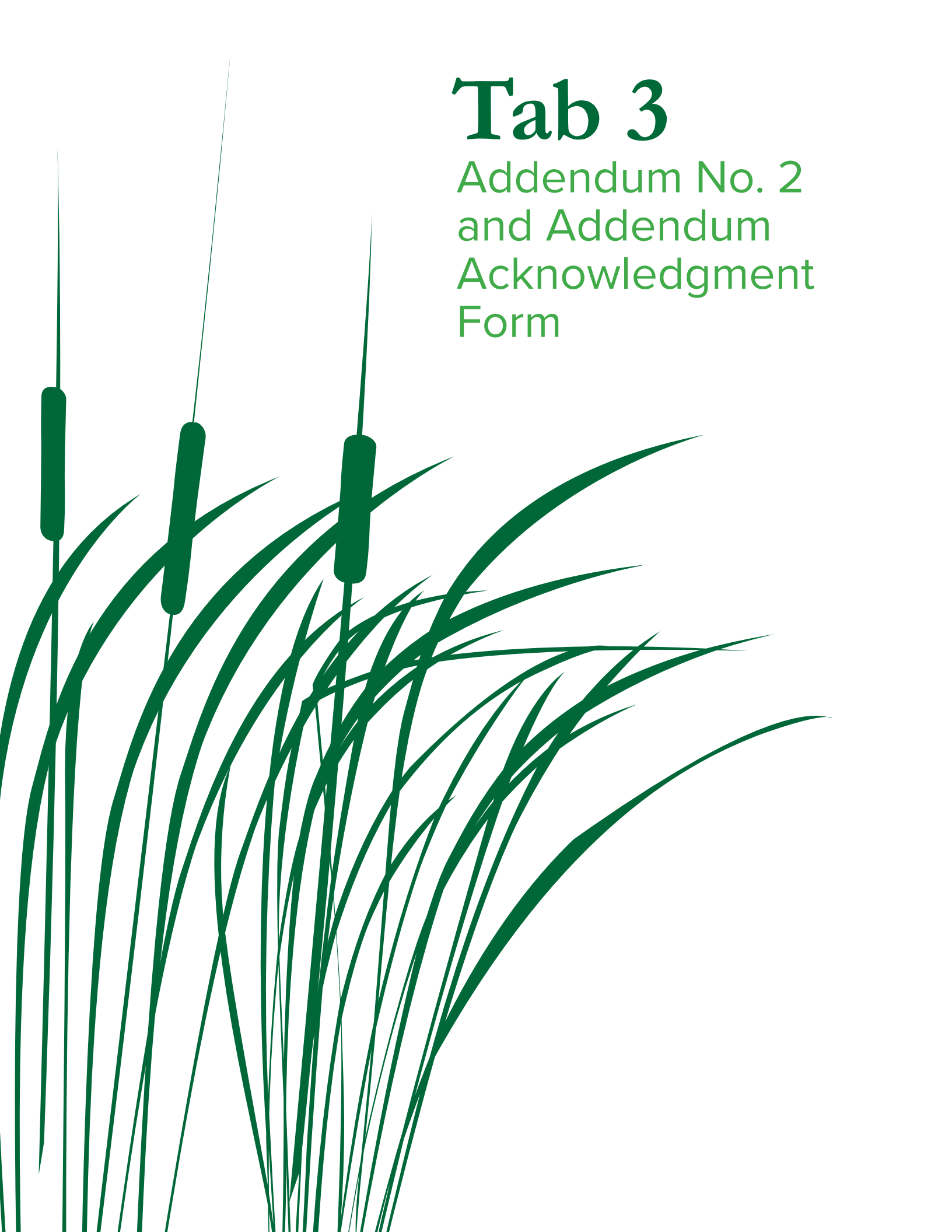
4/9/2026

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

Tab 3

Addendum No. 2
and Addendum
Acknowledgment
Form





Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Consulting

Proc Folder: 1923224			Reason for Modification: Addendum No. 2
Doc Description: Tree Risk Assessment Services - 38 specified Oaks			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2026-04-06	2026-04-09 13:30	CRFQ 0211 GSD2600000035	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 000000198575
Vendor Name : Wetland Studies and Solutions, Inc.
Address :
Street : 5300 Wellington Branch Drive, Suite 100
City : Gainesville
State : VA **Country :** U.S. **Zip :** 20155
Principal Contact : Cary Hulse, ISA# PD-1080A, RCA #757, TRAQ, TPAQ
Vendor Contact Phone: (703) 679-5600 **Extension:**

FOR INFORMATION CONTACT THE BUYER
 Tara Lyle
 (304) 558-2544
 tara.l.lyle@wv.gov


Vendor Signature X **FEIN#** 54-1603789 **DATE** 4/9/2026

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 2 is issued for the following -

1. To provide background check information inadvertently omitted from Addendum No. 1. See attachment.
2. The bid opening remains on 04/09/2026 at 1:30 pm EST.

No other changes.

INVOICE TO**SHIP TO**

DEPARTMENT OF
ADMINISTRATION
112 CALIFORNIA AVENUE

BLDG 4, 6TH FLOOR
CHARLESTON WV
US

STATE OF WEST VIRGINIA

JOBSITE - SEE
SPECIFICATIONS

No City WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Arborist services				

Comm Code**Manufacturer****Specification****Model #**

70111506

Extended Description:

See Exhibit A. If submitting an electronic bid - enter the Overall Total Cost on this commodity line.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Mandatory prebid mtg at 1:30 pm	2026-03-30
2	Technical questions due by 12 pm	2026-04-02

SOLICITATION NUMBER: CRFQ GSD2600000035

Addendum Number: 02

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

- 1. To provide background check information inadvertently omitted from Addendum No. 1. See attachment.**
- 2. The bid opening remains on 04/09/2026 at 1:30 pm EST.**

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

DEPARTMENT OF HOMELAND SECURITY
CAPITOL POLICE
DIVISION OF PROTECTIVE SERVICES
Building 1, Room 152-A
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305
Telephone: 304-558-9911
Fax: 304-558-5604

Kevin J. Foreman
Director

Jack C. Chambers
Deputy Director

Memorandum

To: All State Agencies awarding contracts for vendors working at the Capitol Complex property or vendors that place employees either working on state facilities or working remotely via computer and have access to sensitive information or systems.

From: Kevin J. Foreman, Director
WVDPS Capitol Police

Ref: Instructions for individuals to obtain fingerprints spending unit responsibilities

The government entities obtaining services from vendors and contractors shall obtain a list of the individuals that will be present on the capitol complex and forward the list along with a completed and signed WVDPS Form 12-26 to this office in order for us to verify the names when we receive results from IndentoGo/Idemia. Please call the main office for an email address to send them or fax them to 304-558-5604.

Attached to this memorandum are the WVDPS Form 12-26 and Privacy Act Statement that must be given to the applicant prior to being fingerprinted. The WVDPS Form 12-26 must be completed and received by this office prior to any background information being approved. Vendor applicants must make an appointment by calling the toll free number 1-855-766-7746 or register online at www.identogo.com. Large groups can be accommodated, but prior arrangements must be made with IndentoGo. The web site lists multiple locations across the state for fingerprinting.

Payment must be received at the time of printing and the fee is the responsibility of the vendor or contractor holding the contract. Prepayment is available once an account with IndentoGo has been set up. Again, the WVDPS Form 12-26 is to be sent to Capitol Police prior to the fingerprinting at IndentoGo. All background checks must be WV State and Federal Backgrounds to be acceptable.

If you have any questions feel free to contact me at 304-558-9911.

Revised: 8/30/2021

File: 2018-012

NONCRIMINAL JUSTICE APPLICANT'S PRIVACY RIGHTS

As an applicant who is the subject of a national fingerprint-based criminal history record check for a noncriminal justice purpose (such as an application for a job or license, an immigration or naturalization matter, security clearance, or adoption), you have certain rights which are discussed below.

- You must be provided written notification¹ that your fingerprints will be used to check the criminal history records of the FBI.
- If you have a criminal history record, the officials making a determination of your suitability for the job, license, or other benefit must provide you the opportunity to complete or challenge the accuracy of the information in the record.
- The officials must advise you that the procedures for obtaining a change, correction, or updating of your criminal history record are set forth at Title 28, Code of Federal Regulations (CFR), Section 16.34.
- If you have a criminal history record, you should be afforded a reasonable amount of time to correct or complete the record (or decline to do so) before the officials deny you the job, license, or other benefit based on information in the criminal history record.²

You have the right to expect that officials receiving the results of the criminal history record check will use it only for authorized purposes and will not retain or disseminate it in violation of federal statute, regulation or executive order, or rule, procedure or standard established by the National Crime Prevention and Privacy Compact Council.³

If agency policy permits, the officials may provide you with a copy of your FBI criminal history record for review and possible challenge. If agency policy does not permit it to provide you a copy of the record, you may obtain a copy of the record by submitting fingerprints and a fee to the FBI. Information regarding this process may be obtained at <http://www.fbi.gov/about-us/cjis/background-checks>.

If you decide to challenge the accuracy or completeness of your FBI criminal history record, you should send your challenge to the agency that contributed the questioned information to the FBI. Alternatively, you may send your challenge directly to the FBI. The FBI will then forward your challenge to the agency that contributed the questioned information and request the agency to verify or correct the challenged entry. Upon receipt of an official communication from that agency, the FBI will make any necessary changes/corrections to your record in accordance with the information supplied by that agency. (See 28 CFR 16.30 through 16.34.)

¹ Written notification includes electronic notification, but excludes oral notification.

² See 28 CFR 50.12(b).

³ See 5 U.S.C. 552a(b); 28 U.S.C. 534(b); 42 U.S.C. 14616, Article IV(c); 28 CFR 20.21(c), 20.33(d) and 906.2(d).

Scheduling an appointment:

Step by step process to schedule an appointment online:

1. Go to www.identogo.com
2. In the middle of the page, you will see "Search for services by state".
Select West Virginia from the dropdown and go,
3. Next screen, scroll down and select Digital Fingerprinting,
4. Next screen, enter the Service Code **228NY1** and go,
5. Next screen, select "Schedule or Manage Appointment",
6. Next screen, enter your essential information (Name, DOB, phone, etc.)
and select next,
7. Next screen, enter your country of birth, city of birth, state of birth, and
country of citizenship and select next,
8. Next screen, answer the personal questions and select next,
9. Next screen, enter your personal information (height, weight, gender,
etc.),
10. Next screen, enter your mailing address, then select next,
11. Next screen, select the documents you will bring to your appointment
(driver's license, passport, etc.), then select next,
12. Next screen, enter a postal code, city or state to search for location, a
list of locations will come up. Select the location for your appointment,
and select next,
13. Next screen, you will enter payment information, select next,
14. Next screen, you will be able to select your date and time for your
appointment.

*****Applicant will follow the instructions for scheduling an appointment online.*****

IMPORTANT NOTE: The applicant should print the confirmation page. If
printer is not available applicant must write down their appointment
confirmation number, then click finish.

DIVISION OF PROTECTIVE SERVICES CAPITOL POLICE

**STATE OF WEST VIRGINIA
ACCESS CARD/ID BADGE/BACKGROUND INQUIRY
REQUEST FORM**

Access Card Number

- | | |
|---|--|
| <input type="checkbox"/> Contractor/Vendor | <input type="checkbox"/> Press |
| <input type="checkbox"/> Background Inquiry | <input type="checkbox"/> Access Card |
| <input type="checkbox"/> Modification | <input type="checkbox"/> Cancel Card |
| <input type="checkbox"/> ID Badge Expiration: _____ | <input type="checkbox"/> Photo attached (contractors only) |
| <input type="checkbox"/> Card Returned | <input type="checkbox"/> Card not returned |

Please report lost or stolen access cards/ID Badges immediately to the Division of Protective Services access card coordinator at 558-4443, or the main office at 558-9911. Replacement cost for a lost or stolen access card or ID Badge is \$10.00 (cash, money order, or check payable to Division of Protective Services). Email forms with photos to: margaret.m.cash@cappd.wvsp.gov

Please print the following personal information:

Name: (Last, First, M.) _____

Mailing Address: _____

Home Phone: _____ Cellular Phone: _____ Date of Birth: _____

Agency Awarding Contract/Contact Name/Phone: _____

Company Name/Contact Name/Business Phone: _____

Type of Work: _____ Building # _____ Work Area: _____

Driver's License Number/State: _____

Vehicle Information: _____

Year	Make	Model	Color	Vehicle License Number
------	------	-------	-------	------------------------

Person to contact in case of an emergency: _____

Relationship: _____ Phone Number: _____

Building Access Requested

- Building: 01 03 04 05 06 07 09 10 11 15 16 17 20 21 22 23 24 25 27 32 33 34 36 37 53 54 74 84 86 88 97 Plaza East DNR Forks of Coal DOH Weston DOH Dry
Branch Economic Development

- | | | |
|--|---|--|
| Access Time Requested: | <input type="checkbox"/> Public Hours M-F | <input type="checkbox"/> Extended Business Hours (530am- 7:30pm) M-F |
| <input type="checkbox"/> Extended Business Hours (530am- 7:30pm) M-SSH | <input type="checkbox"/> 24/7 | |
| Access needed on: | <input type="checkbox"/> Saturdays | <input type="checkbox"/> Sundays <input type="checkbox"/> Holidays |
| Access needed in other Buildings: | <input type="checkbox"/> Yes | <input type="checkbox"/> No If yes, which buildings: _____ |

Agency Access Card Coordinator Signature _____ Date _____ ()
Requesting Agency Phone Number _____

Applicant Background Inquiry

Pursuant to West Virginia Code 15-2D-3 (e), service providers, such as vendors or contractors, whose employees are regularly employed on the grounds or in the buildings of the Capitol complex, or who have access to sensitive or critical information, are required to submit to a fingerprint based criminal history investigation completed by both the West Virginia State Police and Federal Bureau of Investigation. Privacy Act Statement Attached.

Applicants are required to complete this application and forward the same to the Division of Protective Services before fingerprints are submitted at IdentoGo (Idemia). Applicants have the opportunity to complete or challenge the accuracy contained in the FBI identification record. The procedures for obtaining a change, correction, or updating of your FBI criminal history record are set forth in Title 28, Code of Federal Regulations (CFR), Section 16.34.

Applicant's Signature: _____

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ GSD2600000035

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

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Addendum Numbers Received:

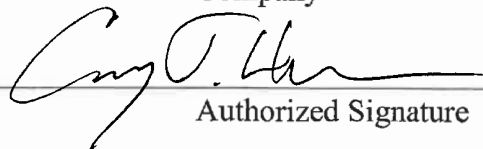
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Wetland Studies and Solutions, Inc.

Company



Authorized Signature

4/9/2026

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

Tab 4

Exhibit A -
Pricing Page



REQUEST FOR QUOTATION
CRFQ GSD26*35 - Consultant Services – Tree Risk Assessment

EXHIBIT A – PRICING PAGE

Name of Bidder: Wetland Studies and Solutions, Inc.

The Bidder, being familiar with and understanding the Bidding Documents and having examined the site and being familiar with the local conditions affecting the project hereby proposes to furnish all labor, material, supplies, and transportation and to perform all Work in accordance with the Bidding Documents within the time set forth for the sum of:

Overall Total Cost \$ \$156,600

One hundred, fifty-six thousand, and six hundred dollars

(Show amount in both words and numbers)

(Overall Total Cost must be entered for Commodity Line 1 in wvOASIS for an electronic bid submission – include Exhibit A as attachment)

Wetland Studies and Solutions, Inc.

Vendor Name



Authorized Signature

4/9/2026

Date

Tab 5

Relevant Services



TREE RISK ASSESSMENT

Trees enhance the landscapes that they inhabit and provide valuable environmental services. However, large trees carry inherent risks that must be understood and managed appropriately by property owners or tree managers. As trees grow and age, they are affected by weather events, construction, pests, soil issues, and other conditions that may increase the risk of tree or branch failure. WSSI's International Society of Arboriculture (ISA)-certified arborists professionally assess trees of concern, determine their risk level using industry best practices, and provide recommendations to mitigate that risk, if required.

WSSI uses tools and assessments to help you make tree management decisions that adhere to municipal regulations and your level of risk tolerance. From single homes to private development projects and local parks, we can help you manage risk, keep your trees healthy and stable, and continue to enjoy the social and economic benefits that trees provide.



WSSI staff have assessed tree condition and risk and provided ecosystem restoration services in a wide range of public and private spaces, including the popular Huntley Meadows park in Fairfax County, VA.



WSSI has several staff with the ISA Tree Risk Assessment Qualification (TRAQ) who can conduct a formal risk assessment and make recommendations.



WSSI arborist using a resistance drill to detect decay in a white oak.

Level	Purpose	Technique
Level 1: Limited Visual Tree Risk Assessment	Cursory assessment	Initial evaluation from a limited perspective to detect trees with obvious defects or those requiring more in-depth assessment (e.g., immediate response following storm damage)
Level 2: Basic Tree Risk Assessment	Identify defects in a tree's trunk, branches, and roots, and evaluate risks posed by those defects	Ground-based, 360° visual assessment. Simple hand tools may be used (e.g., mallet, probe)
Level 3: Advanced Tree Risk Assessment	In-depth analysis of specific defects using advanced tools or techniques	<u>Sonic Tomography</u> : uses sound waves to map density in the trunk to reveal decay patterns. This is minimally invasive, relatively quick, and very accurate. <u>Resistance Drill</u> : involves inserting a small needle-like drill bit into the trunk of the tree to detect and measure wood decay. This yields immediate results and is a good way to confirm a tomogram. Other techniques include Aerial Inspection, Root Collar Investigation, or Laboratory Analysis.

GROUND PENETRATING RADAR



WSSI is skilled at **integrating the GPR's unique data** into working design files - giving you **practical visuals** to aid in making important decisions for your project.



Ground Penetrating Radar (GPR) technology is designed for detecting root densities below grade and pavements.

Using this proven technology, WSSI can provide additional information about the below ground growth of existing trees and the potential impacts of various design alternatives.

Advantages of GPR:

- Reduced impact to project sites
- Gather data in difficult locations
- Cover a larger area in less time
- Incorporate root information directly into CAD design files

GPR is a technology that uses radar pulses to gather data on subsurface items. This nondestructive method detects reflected electromagnetic signals that are returned to the unit from roots and other structures.

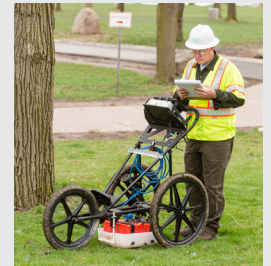
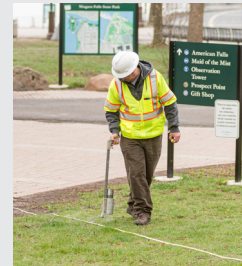
Is GPR right for my project?

GPR is unique in its ability to gather data on parts of a site that used to be unreachable. Sites that have a considerable amount of pavement or other hardscapes can be scanned to collect information on the roots that lie below. Also, compared to traditional methods, GPR can cover a much larger portion of land in a shorter amount of time - meaning less time and disruption required on the project site. Contact us to learn more and discuss the options for your particular project.

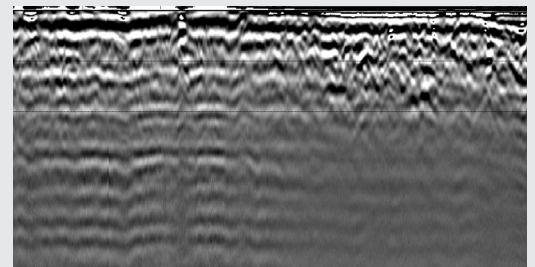


WHAT TO EXPECT

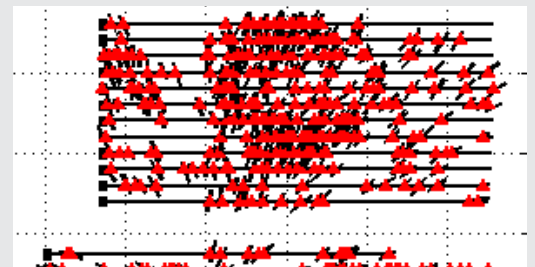
1 GPR unit is used to execute scan patterns.



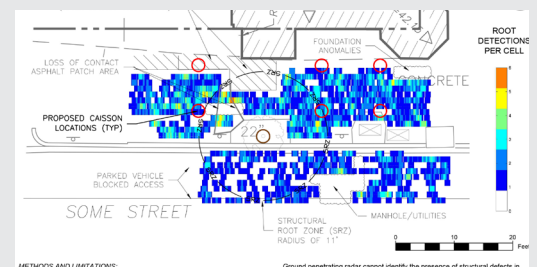
2 RAW, unfiltered data is returned to unit.



3 Scan is processed by WSSI staff and graphs are created to interpret data.



4 3D images are generated based on interpretations and inserted into CAD.



TREE CONSERVATION PLANNING



Tree protection fencing in place during land clearing activities

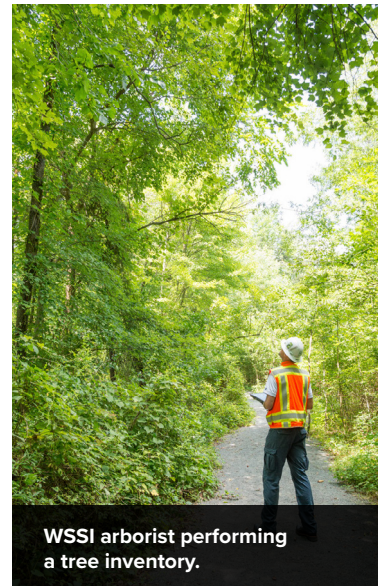


WSSI tree tag



Coordinating Tree Preservation Plans with a Project Engineer prior to construction activities.

WSSI offers our clients expert planning support, advice, and implementation options to guide them to meet their regulatory requirements, minimize their costs, reduce liability, and make their projects a success.



WSSI arborist performing a tree inventory.



WSSI helps our clients transform project sites into sustainable green environments and community assets.

PLANNING & DESIGN PHASE SERVICES

- Tree Preservation and Protection Plans
- Specifications, Exhibits, & Construction Documents
- Tree Inventories and Assessments
- Site Planning, Master Plans, and Development
- Forest Conservation and Mitigation Plans
- Regulatory and Permitting Support
- Landscape Tree Appraisals
- Custom Solutions for Specimen & Historic Trees

PRE-CONSTRUCTION PHASE SERVICES

- Pre-Construction Meetings
- Arborist Oversight and Inspections
- Tree Protection Fencing
- Root Protection and Aeration
- Tree Health Monitoring and Treatment
- Consultations with Contractors and Land Owners

TREE PRESERVATION



Root investigation to support protection planning for onsite construction



WSSI led the first Heritage Tree transplant in Washington, D.C.

Preservation Focus and Success

WSSI's tree preservation specialists develop comprehensive tree preservation planning and protection measures tailored to your project and the trees on site. Project goals, tree health, and root zones are at the forefront of our conversations with project teams.

WSSI takes tree protection projects from Conceptual Planning through Design Development and Construction Documentation with our careful attention to detail and comprehensive CAD files. Our detailed specifications provide architects, construction companies, and project proponents with the information they need to protect critical root zones while creating the built environment.

WSSI staff also provide construction monitoring to ensure that the tree protection measures are properly implemented.

WSSI staff have provided tree protection services for many projects on or near the National Mall, places with high-profile, large trees where preservation is critical, but extend our services to projects of all sizes.

STAFF CERTIFICATIONS

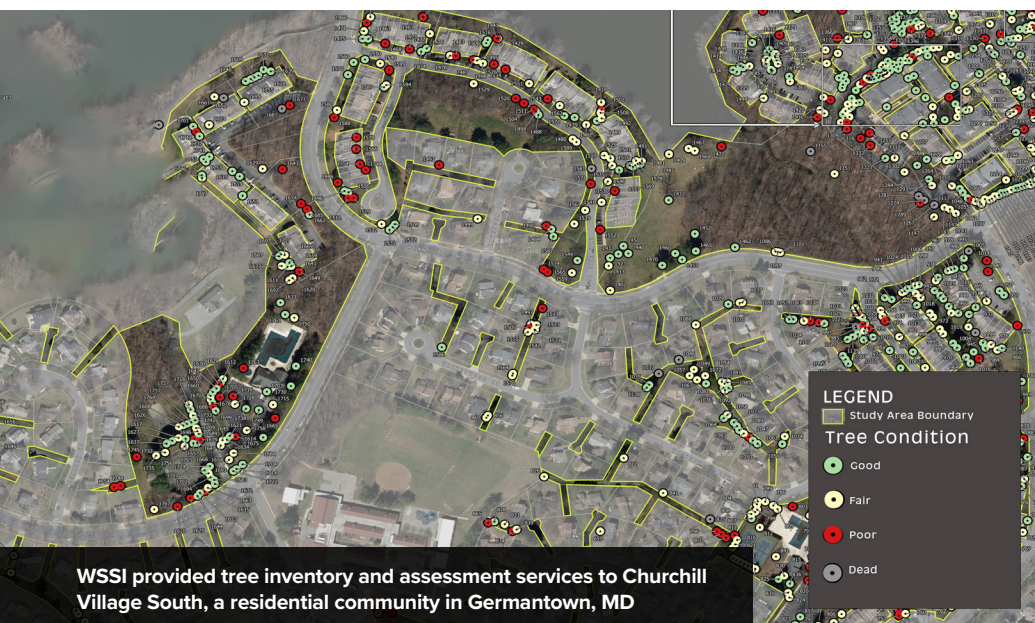
- International Association of Arboriculture (ISA)
 - Board Certified Master Arborist
 - Certified Arborist
 - Tree Risk Assessment Qualified (TRAQ)
- American Society of Consulting Arborists (ASCA) Registered Consulting Arborist (RCA)
- ASCA Tree and Plant Appraisal Qualification (TPAQ)
- Professional Landscape Architect (PLA)
- Maryland Department of Natural Resources
 - Forest Conservation Act Qualified Professional (FCA QP)
 - Licensed Tree Expert

PROJECT EXPERIENCE

- Cemeteries
- Corporate campuses
- Government facilities
- Historic properties
- Hospitals
- Military bases
- National Monuments and Landmarks
- Parks, golf courses, and open spaces
- Residential developments and private homes
- Schools and universities
- Transportation and utility infrastructure



As part of the Davey Tree Expert Company, WSSI has unique access to a wealth of additional arborists and tree experts, as well as leading research from The Davey Institute.



WSSI provided tree inventory and assessment services to Churchill Village South, a residential community in Germantown, MD

Urban trees are important assets that enhance the value and livability of a community, and they require professional management to maximize their benefit potential. WSSI staff have the advanced skills and the expertise required to assess, develop, and manage urban and community forests.

As a subsidiary of the Davey Tree Expert Company, WSSI has access to additional arboriculture and urban forestry resources to address any tree-related issue for our clients. We are further strengthened by our connection with the Davey Institute, Davey Tree's technical development and research branch.

SERVICES

- CAD-based tree preservation and protection plans
- Staff Augmentation
- Collaborative site planning to meet development and regulatory goals
- Planting and Maintenance Plans
- Tree Benefit Calculations & Tree Valuation
- Invasive Pest Assessment and Management
- Monitoring tree work and planting projects
- Professional Tree Risk Assessment
- Storm Damage Assessment and Response Planning
- Home Owner Association Forest Resource Management
- GIS Mapping and Data Management
- Tree Preservation and Inventory Tracking
- Management of Specimen and Historic Trees
- Tree Management Software & Technical Support



WSSI provides arborist services to a number of types of communities and spaces

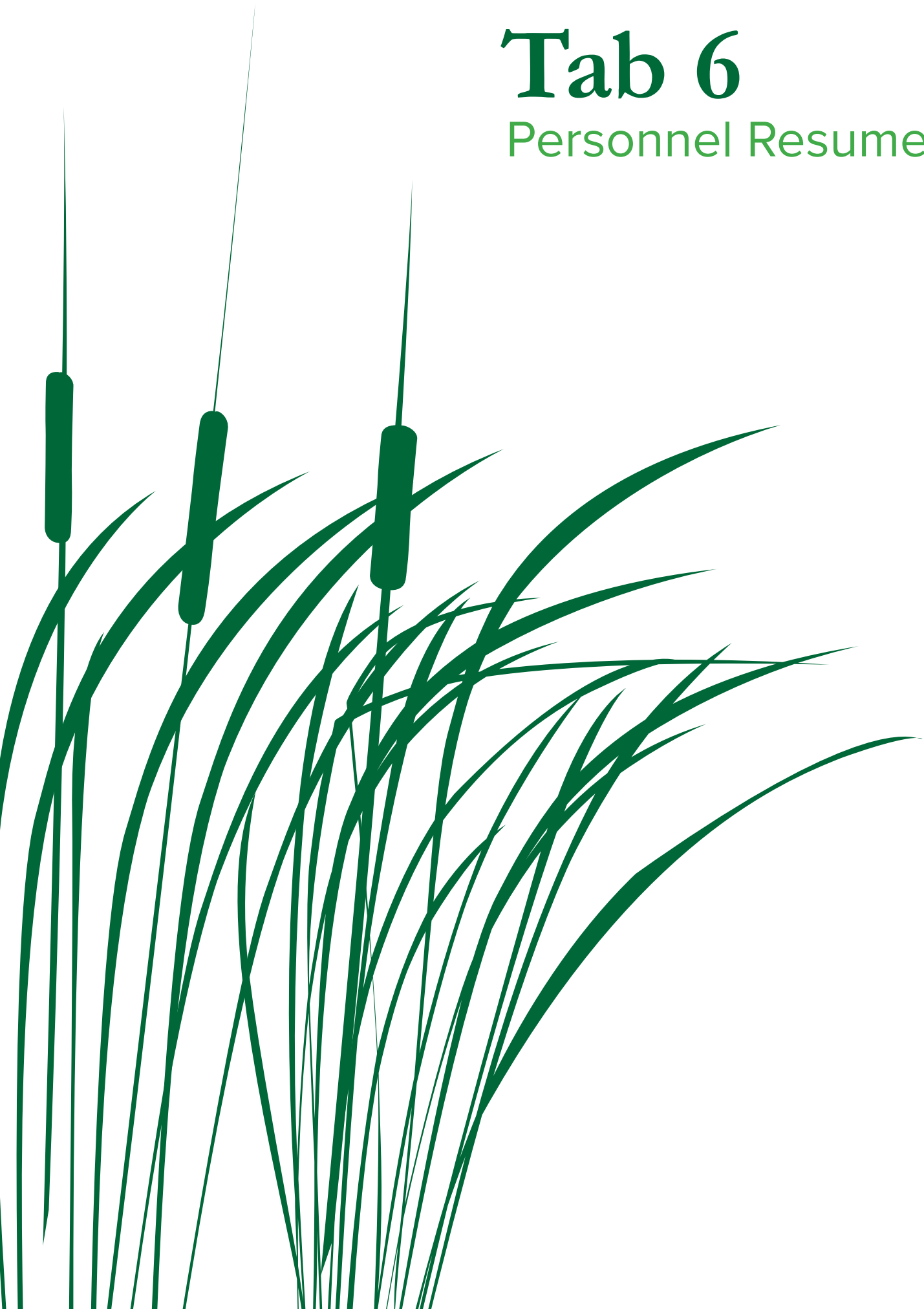
Our team of ISA certified and experienced consulting arborists provide a wide range of services needed by localities and developers alike.



Tree preservation planning for military housing at Fort Belvoir, VA

Tab 6

Personnel Resumes



Cary Hulse, RCA #757, ISA Certified Arborist PD-1080A, TRAQ, TPAQ Manager - Urban Forestry

Firm Association Wetland Studies and Solutions, Inc. (WSSI)

Project Assignment Lead Consulting Arborist

Years of Experience

With this firm: 23

With other firms: 8

Education

AAS - Forest Technology,
Paul Smith's College

Registrations & Certifications

ISA Certified Arborist

#PD1080-A

Issued 5/17/2002

ISA Tree Risk Assessment
Qualified (TRAQ)

American Society of
Consulting Arborists
(ASCA) Registered
Consulting Arborist (RCA)
#757

Issued 1/20/2022

ASCA Tree and Plant
Appraisal Qualified (TPAQ)

VA Certified Prescribed
Burn Manager

VA Commercial Pesticide
Applicator - Forest (2),
Ornamental Control (3-A),
Right-of-Way (6)

LEED Green Associate

Mr. Hulse oversees all aspects of urban forestry and arboricultural consulting and tree preservation planning projects for WSSI, including non-native invasive species management plans, field assessment, planning and design, permitting, and construction management. With more than two decades of experience in the region, he has extensive knowledge of state and local tree regulations and has also worked on projects in more than a dozen states. He is proficient with AutoCAD and AutoCAD Civil 3D software and is responsible for CAD mapping operations for all tree preservation plans and permit applications. For WSSI and its parent organization, Davey Resource Group, Mr. Hulse also serves as a consulting urban forester managing and performing tree appraisals, risk assessments, and inventories, and is involved in technology innovation within WSSI, working with Ground Penetrating Radar (GPR), GPS, field data collection tools, CAD standards, CAD customization, and workflow improvements.

Mr. Hulse's relevant experience includes:

Rehabilitation of Historic South Capitol Park – City of Harrisburg, Pennsylvania

After a century of decline, the historic South Capitol Park needed a major restoration effort to modernize, update, restore, and preserve the many landscape site elements including stormwater management, retaining walls, sidewalks, hardscape, site lighting, monuments, trees, shrubs, and beds. The Pennsylvania Capitol Preservation Commission was concerned about protecting the 120 mature trees in the park. Mr. Hulse and architects teamed up through all phases of design development and construction documents. Each tree was assessed above ground and then subsurface root investigations were carried out to determine the type and extent of roots in select areas to determine accurate critical root zones, which were overlaid and assessed during each design phase. Many innovative protection and preservation means and methods were specified in the Tree Preservation & Landscape Plans.

McIntire Building Historic Ash and East Patio Restoration – City of Charlottesville, Virginia

Mr. Hulse provided arborist consultation to the City of Charlottesville to support the protection and preservation of the historic ash tree at the east patio. Mr. Hulse attended site meetings to review the patio restoration work with the project team and ensure that the proposed work would not impact roots. Mr. Hulse also provided oversight during the construction activity to address individual roots encountered during the patio restoration.

Lubber Run Community Center and Park Renovation – Arlington County, Virginia

Mr. Hulse collaborated with the design team to find innovative solutions to minimize tree impacts and successfully protect as many healthy trees as possible on the site of Arlington County's oldest community center, and prepared detailed tree preservation plan documents. This project won a national AIA Award for Architecture in 2023; as noted in the award description, "Together, the building and landscape celebrate the movement of water across the site... Lubber Run Community Center solves a uniquely urban problem: preserving access to open space in the wake of unceasing development."

Arlington Woods at Arlington National Cemetery: Arborist Consulting Services and Tree Location Survey – Arlington County, Virginia

Mr. Hulse oversaw the tree inventory and condition assessment of 600 live and standing dead trees of three inches or more in diameter. WSSI performed a conventional tree location survey and limits of tree assessment survey of the ±50-foot-wide by ±2,200-foot-long study area. Using tree locations and assessment data, WSSI prepared a tree inventory plan to depict the trees graphically, labeled by tree number and color-coded by tree condition. All fieldwork was in conformance with the Virginia Dept. of Historic Resources' *Guidelines for Conducting Historic Resource Survey in Virginia* (rev. 2017).

ParkFairfax Tree Risk Assessment – Alexandria, Virginia

Mr. Hulse oversaw WSSI's Level I (limited visual) tree risk assessment on ±3,000 trees in a condominium community. WSSI prepared a summary report for community leaders that will support their future tree planning and maintenance efforts.

Niagara Falls State Park Visitor Center – Niagara Falls, New York

Mr. Hulse conducted a GPR study on three specimen trees adjacent to the existing visitor center where an extensive renovation was being proposed. The GPR study provided insight into the density, depth, and distribution of tree root systems. The GPR results were symbolized to depict the vertical and horizontal distribution of detected roots around each tree for use by the design team as guidance to minimize root disturbance through their design.

Nathan Evans, ISA Board Certified Master Arborist MA-6119B, TRAQ, TPAQ Assistant Manager - Urban Forestry

Firm Association Wetland Studies and Solutions, Inc. (WSSI)

Project Assignment Consulting Arborist

Years of Experience

With this firm: 7

With other firms: 1.5

Education

BS - Biology,
Concentration in Ecology
and Environmental
Biology, James Madison
University

Registrations & Certifications

ISA Board Certified Master
Arborist MA-6119B
Issued 8/8/2023;
preceded by ISA Certified
Arborist, issued 2/6/2019

ISA Tree Risk Assessment
Qualification (TRAQ)

ASCA Tree and Plant
Appraisal Qualification
(TPAQ)

VA Commercial Pesticide
Applicator - Forest Pest
Control (2), Aquatic Pest
Control (5-A)

MD Pest Control Applicator
- Forest (2)

VDOT Basic Work Zone
Traffic Control and Flagger

Mr. Evans' responsibilities include conducting tree inventories, tree risk assessments, tree valuations, conducting existing vegetation evaluations, and creating tree preservation plans. He has also worked with WSSI's Ecosystem Management group, and has worked with riparian tree inventories, monitoring wetland and stream channel restorations, and providing oversight for restoration construction projects. His experience includes habitat restorations, timber stand improvements, pesticide application, and prescribed burning. In addition, Mr. Evans provides staff augmentation for local governments, reviewing plan sets to ensure proposed projects conform with local requirements and industry best practices and providing recommendations to preserve the health of trees in the project area. Prior to joining WSSI, Mr. Evans' experience included field biologist work in West Virginia.

Mr. Evans's relevant experience includes:

Emerald Ash Borer and Hazard Tree Assessment – Nashville, Tennessee

Mr. Evans and colleagues from Davey Resource Group (DRG) evaluated ash trees and potential hazard trees in parks in Nashville. The potentially hazard trees were prioritized by likelihood of failure. Made recommendations for work to be done to reduce the potential risk. The recommendations were approved and sent to tree crews by the project manager.

Arden at McClean – Great Falls, Virginia

Mr. Evans was asked to assess the risk of a large tree behind a recently constructed house. The tree in question had dropped a large branch and the new homeowners were concerned about the safety of their backyard and potential damage to the newly constructed house. The client requested a report on its current condition, risk potential, and potential recommendations to mitigate the risk.

Wirt Street – Town of Leesburg, Virginia

Mr. Evans aided in the use of sonic tomography to determine the extent of potential decay in a tree of concern in the Town of Leesburg. The Town's Urban Forester used the tomogram produced to inform his decisions about preservation, sidewalk construction around the tree, and potential risk.

Architect of the Capitol – Washington, D.C.

Mr. Evans aided in the use of sonic tomography to determine the extent of potential decay in eight trees located on the Capitol Grounds. The client was concerned about the condition of their trees and public safety because of the foot traffic on Capitol Grounds.

St. Paul's Blue Greenway – City of Norfolk, Virginia

Mr. Evans inventoried and assessed ±230 trees in southeast Virginia. Mr. Evans provided a level two condition assessment for trees in the study area. He recorded the diameter-at-breast height, species, priority rating, and any deficiencies of the trees.

Riverdale Street Tree Inventory – Prince George's County, Maryland

Mr. Evans and his colleagues inventoried street trees in Riverdale. They assessed the trees within the right-of-way for condition and basic risk rating and provided maintenance recommendations for each tree. The data was recorded in Prince George's County TreePlotter website.

Consulting Utility Forester - DRG – San Jose/Bay Area, California

Patrolled distribution lines in urban and rural areas in search of dead or declining trees that could impact the power lines or other facilities in the areas surrounding San Jose. Mr. Evans also searched for abnormal field conditions that could interfere with the distribution of power or that could become a hazard. He informed homeowners of tree work that would be done on their property to ensure the safety of the powerlines and the greater community.

Gladstone Avenue Private Residence – Richmond, Virginia

WSSI, on behalf of an insurance company, determined if any apparent indicators of "probable" or "imminent" failure were present prior to the failure of a large branch that struck and significantly damaged a house. Mr. Evans assessed tree condition and used images/data that were readily available to determine if any indicators of "probable" or "imminent" failure were present prior to the failure. The report to the client included a description of the current condition of the tree, defects that are and were present prior to the failure, and an opinion of risk prior to the failure.

Tab 7

Documentation of Personnel Qualifications





The International Society of Arboriculture

Hereby Announces That

Cary Hulse

Has Earned the Credential

ISA Certified Arborist ®

By successfully meeting ISA Certified Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

Caitlyn Pollihan
CEO & Executive Director

17 May 2002

Issue Date

30 June 2026

Expiration Date

PD-1080A

Certification Number



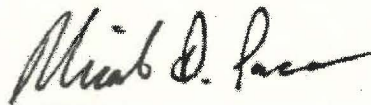
*The American Society
of
Consulting Arborists*

*in recognition of fulfillment of the requirements for
Registered Consulting Arborist® status
confers upon*

Cary Hulse, RCA #757

Registered Membership

January 20, 2022



Micah Pace, RCA #607
President



Kristen Philips, CAE
Executive Director

The International Society of Arboriculture

Hereby Announces That

Nathan Evans

Has Earned the Credential

ISA Board Certified Master Arborist[®]

By successfully meeting ISA Board Certified Master Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council


Caitlyn Pollihan
CEO & Executive Director

08 August 2023

Issue Date

31 December 2026

Expiration Date

MA-6119B

Certification Number



The International Society of Arboriculture

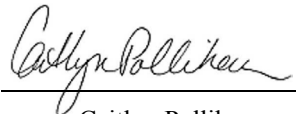
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By successfully meeting ISA Certified Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council



Caitlyn Pollihan
CEO & Executive Director

6 February 2019

Issue Date

30 June 2022

Expiration Date

MA-6119A

Certification Number

