

**Exhibit B**

Contractor's Proposal

**Macris, Hendricks & Glascock, P.A.**  
Engineers • Planners • Surveyors • Landscape Architects

9220 Wightman Road, Suite 120  
Montgomery Village, Maryland  
20886-1279

Phone 301.670.0840  
Fax 301.948.0693



April 16, 2014

Ms. Kristen Walp  
& Mr. Ryan Weir  
Leftwich & Ludaway  
1400 K Street, NW  
Suite 1000  
Washington, DC 20005

Re: Design Services for Kalorama Park  
District of Columbia

Dear: Ms. Walp & Mr. Weir

We appreciate the opportunity to submit this Agreement and look forward to working with you on the referenced project. If you have any questions or comments, please don't hesitate to give us a call.

**AGREEMENT FOR PROFESSIONAL SERVICES**

BETWEEN: Macris, Hendricks and Glascock, P.A.  
hereinafter referred to as MHG

AND:

Leftwich & Ludaway  
Name

1400 K Street, NW, Suite 1000  
Street Address

<u>Washington</u>	<u>DC</u>	<u>20005</u>
City	State	Zip

<u>202-434-9100</u>	<u>202-783-3420</u>
Phone No.	Fax No.

kwalp@leftwichlaw.com  
rweir@leftwichlaw.com  
Email Address

hereinafter referred to as the **Client**.

*Recipient of the Maryland-National Capital Building Industry Association  
Associate of The Year Award 2005 & 2008*

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A. PROJECT UNDERSTANDING

The District of Columbia Department of General Services ("DGS") is seeking to engage a design firm to develop 100% complete construction documents for implementing site improvements at Kalorama Park, located at the intersection of Columbia Road, Kalorama Road, and 19th Street, NW, Washington, DC. A narrative scope of work is attached hereto as Attachment A, and generally includes making soil replacement recommendations; landscaping design and planting plan; berm design; soil management plan; walkway/pavement design; hardscape design; drainage design (sediment & erosion control); and vegetative stabilization.

1. FIRM OVERVIEW

Macris, Hendricks and Glascock, P.A. (MHG) is a civil engineering, land planning, and surveying firm located in Gaithersburg, Maryland. Since its inception in 1978, MHG has established a solid reputation for providing professional services to both public and private sector clients for institutional, governmental, residential and commercial land development projects. Gross revenues for the last several years have been approximately 5 million dollars per year. MHG currently employs 45 highly qualified persons, experienced in all areas of land development, including the design of:

- grading
- landscaping
- soil erosion + sediment control
- stormwater management
- storm drain

Using this in-house expertise, MHG can take a project from initial site surveys and feasibility reports; through master planning, detailed design and permit processing, to the completion of construction stake-out and as-built plans. MHG's vast project history gives our team a broad base of expertise from which to draw on in order to provide innovative solutions to any challenges a project may present. MHG stays abreast of the ever changing regulatory environment and brings this knowledge to the whole project development team. The firm recognizes that continued growth and viability are highly dependent upon prompt and timely performance. To this end, MHG places a very high priority on providing not only quality design services, but also in maintaining strict compliance to the scheduling demands of the client.

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#### FIRM OVERVIEW (Continued)

Our current and recent projects in the District of Columbia include the following:

- Beauvoir Elementary School (Private School)
- DC Department of Corrections (Public Facility)
- Mt. Olivet Cemetery (Cemetery)
- St. Patrick's Episcopal School (Private School)
- Ronald McDonald House (Guest house)
- Foxhall (Residential Subdivision)
- Eighth Street Building (Restaurant)
- Barcelona Wine Bar (Restaurant)
- Shop House Kitchen (Restaurant)
- Wayne Place (veterans Housing)
- V Street Property (Warehouse)
- Washington International School (Private School)
- Washington Jesuit Academy (Private School)

#### 2. KEY PERSONNEL

- Principal in Charge – Stephen E. Crum, P.E.
- Project Manager- Patrick G. LaVay, P.E
- Design Engineer- Pearce C. Wroe, P.E.
- Landscape Architect- Victoria S. Bryant, PLA

Please Note: Resumes are included as Attachment B



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3. SIMILAR PROJECTS

**Watkins Mill Stream Restoration**

MHG prepared a plan to address stream erosion that was destabilizing the waterway and exposing a sewer line. The plan included storm drain extension, regenerative stormwater step pool, and imbricated rip-rap to restore approximately 400 linear feet of damaged waterway. MHG was proud to receive a 2011 MNCBIA Environmental Award for this project and to the best of our knowledge the project was completed on-time and on-budget.



Figure 2: Before



Figure 1: After

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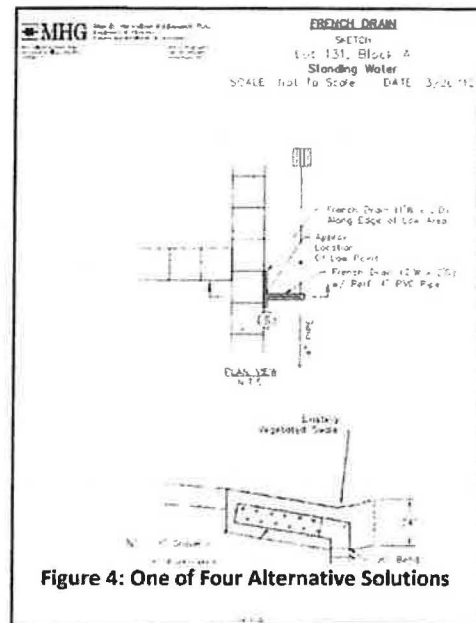
### SIMILAR PROJECTS (Continued)

#### **Fallsberry Homeowner's Association**

MHG was contracted to inspect and analyze several drainage and erosion problems throughout a residential community. MHG prepared a comprehensive report identifying each problem and providing recommended engineering solutions. Furthermore, multiple solutions were provided for issues and rated for level of attention required and cost to help the aid the HOA in selecting which projects to pursue based on their budget and schedule.



**Figure 3: Poorly Drained and Eroded Channel**



**Figure 4: One of Four Alternative Solutions**

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SIMILAR PROJECTS (Continued)

**Wat Thai Buddhist Temple**

MHG prepared concept and design plans to address runoff from the impervious areas using low impact stormwater practices. The project site is located in close proximity to a floodplain and posed several drainage problems that had to be overcome with innovative approaches to stormwater management. To the best of our knowledge the project was completed on-time and on-budget.



Figure 5: Step Pool Swale w/ Berms and Storage Pools

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4. REFERENCES

Mr. Philip E. Tobey  
SmithGroup, Inc.  
Senior Vice President  
phil.tobey@smithgroupjir.com  
202-974-0815  
1700 New York Ave. NW, Suite 100  
Washington, DC 20006

Mr. Terry L. Armstrong  
Saint Patrick's Episcopal Day School  
Assistant Head of School for Finance and Operations  
armstrongt@stpatsdc.org  
(202) 342-2805  
4700 Whitehaven Parkway, NW  
Washington, DC, 20007

Mr. Craig Shuman  
Montgomery County Public Schools  
Director  
Richard\_C\_ShumanJr@mcpsmd.org  
240 314-1000  
2096 Gaithersburg Road, Suite 203  
Rockville, MD 20850

5. PRICE INFORMATION

**.01 Civil Engineering and Landscape Architecture: ..... \$ 48,500.00**

The fee for MHG to cover the landscape architecture and civil engineering services required to complete the construction documents and attend two community meetings is \$48,500.00. (See Attachment C for the approximate breakdown of the lump sum fee)

**.02 Archeological Study:..... \$ 15,904.88**

The fee from R Christopher Goodwin and Associates, Inc. to conduct a Phase I Archeological Survey for Approximately 3 Acres in an urban setting and prior to disturbance is \$15,904.88. (See Attachment D which is R. Christopher Goodwin and Associates, Inc.'s Proposal.)

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PRICE INFORMATION (Continued)

**.03 Geotechnical Engineering: ..... \$ 17,520.00**

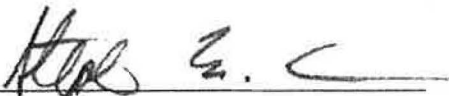
The fee from ECS Capitol Services, PLLC to provide geotechnical engineering services of the referenced project is \$17,520.00.  
(See Attachment E which is ECS Capitol Services, PLLC's Proposal.)

- B. MHG will perform all work in accordance with industry standards and will exercise usual and customary professional care in our efforts to comply with those laws, codes, ordinances, and regulations, which are in effect as of the date of this Agreement.
- C. The following services are specifically excluded from this Agreement and are listed herewith to avoid potential conflicts:

As-Built Plans  
Forest Conservation Plans  
Hazardous Waste Investigations/Certifications  
Natural Resources Inventory Map  
Off-Site Roadway Improvements  
Retaining Wall Design  
Site Lighting Plans  
Traffic Study  
Zoning Variances/Special Exceptions  
Construction Services

Please indicate acceptance of our services and fees by signing, dating, and returning this Agreement and the General Provisions.

Macris, Hendricks and Glascock, P.A.

  
\_\_\_\_\_  
Stephen E. Crum, P.E.  
Vice President

Ms. Walp & Mr. Weir  
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ACCEPTED BY:  
Name of Corporation,  
Partnership, etc. if  
Applicable

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SIGNED BY:

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TITLE:

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DATE:

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EXHIBIT B

MHG FEE SCHEDULE

HOURLY RATES: (To be used for all estimated fees and/or additional services)

Expert Testimony	\$ 210.00 /hr.	Administrative Staff	\$ 65.00 – 90.00/hr.
Principals	\$ 130.00 – 160.00/hr.	Field Survey Crew	\$ 130.00/hr.
Project Managers	\$ 105.00 – 130.00/hr.	Field Survey Crew (Three Man)	\$ 150.00/hr.
Professional Staff	\$ 90.00 – 120.00/hr.	GPS Survey Crew	\$ 175.00/hr.
Technical Staff	\$ 75.00 – 105.00/hr.		

REIMBURSABLE EXPENSES

DIRECT COSTS: Direct costs and reimbursable expenses are not included in lump sum or estimated fee items. Direct costs will be billed as shown below. Other reimbursable expenses such as messenger service, permit fees, prints in quantity by outside provider, etc. will be billed at cost plus 10%.

LARGE DOCUMENTS

Drawing Size	Blackline Plot on Paper	Color Plot* on Paper	Colored Exhibit* Plot on Paper	Blackline Plot on Mylar	Colorline Plot on Mylar
18 x 24	\$ 2.00	\$ 3.00	\$ 6.75	\$ 6.00	\$ 7.50
24 x 36	\$ 2.50	\$ 3.50	\$ 13.50	\$ 12.00	\$ 14.00
30 x 42	\$ 3.00	\$ 4.00	\$ 20.00	\$ 17.50	\$ 20.00
36 x 48	\$ 5.00	\$ 6.00	\$ 27.00	\$ 24.00	\$ 27.00

\*Colorline Plots are drawings which include colored lines and text, Colored Exhibits are drawings with predominant areas of shading, hatching or images.

SMALL DOCUMENTS

This Charge will Apply to Adjacent Owner Notifications or similar mass mailings ONLY

Drawing Size	Blackline Plot on Paper	Color Plot on Paper	Blackline Plot on Mylar
8 ½ x 11	\$ .08	\$ .17	\$ 1.20
8 ½ x 14	\$ .10	\$ .19	\$ 1.30
11 x 17	\$ .25	\$ .34	\$ 2.40
12 x 18	\$ .65	\$ 1.00	

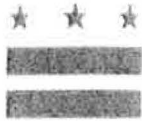
COMPACT DISK                      \$12 Per Disk

EXHIBIT A  
GENERAL PROVISIONS

- A. The Client will be responsible for additional services that become necessary, which are not included under the listed scope and for services provided for revisions involved to return to the same point of completion. Unless negotiated on a different basis, fees for additional or revised services will be provided on an hourly basis in accordance with the rates listed in the Fee Schedule on Exhibit B of this Agreement.
- B. Drawing reproduction and other printing costs incurred by this office for in-house use and coordination are included in our fees. Printing costs for review submissions to public agencies as well as other printing costs incurred at the Client's request shall be billed as a reimbursable expense in accordance with the Reimbursable Expenses on Exhibit B of this Agreement.
- C. Reimbursable expenses such as messenger service, permit fees, drawing reproductions in quantity by outside vendors, etc., will be charged at cost ~~plus 10%.~~
- D. The Client will be responsible for the payment of all submission fees, bonds, and recording charges necessary to complete all plats, plans, and applications. The Client will be responsible for obtaining all appropriate signatures as necessary to complete all plats, plans, and applications.
- E. Although it is the policy of MHG to complete all services in a timely manner, there is no guarantee expressed or implied as to when the work will be completed or when plans will be reviewed or approved by the applicable governing agencies.
- F. Billing statements, on a monthly or other basis, will be provided by regular mail to the contracting party at the address indicated herein. All billing statements are due and payable in full within ten (10) business days of the date thereof. In the event any billing statement is not paid in full within thirty (30) days of the date thereof, the following terms shall apply: (a) MHG will be absolutely and unconditionally entitled to begin charging interest at the end of such thirty (30) day period on the unpaid balance of principal and interest at the rate of one and one-half percent (1.5%) per month until paid in full; (b) MHG will be absolutely and unconditionally entitled to suspend all work and withhold all work product until paid in full; and (c) MHG will also be entitled to recover for all reasonable attorneys fees and costs incurred by MHG in connection with seeking recovery of the charges, expenses, and interest due.
- G. The standard of care for all services performed or furnished by MHG under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the time and in the same locality. MHG makes no warranties, express or implied, under this agreement or otherwise, in connection with MHG's services. Subject to the foregoing standard of care, MHG and its consultants may use or rely upon design elements and information ordinarily or customarily furnished by others, including, but not limited to, specialty contractors, manufacturers, suppliers, and the publishers of technical standards.
- H. This Agreement may be terminated by either party after giving 30 days written notification of Intent to Terminate to the other party and by payment of the balance due to MHG by the Client. This balance due will be arrived at by tabulation of hours spent times the hourly rates in effect at the time of termination.
- I. In the event that a signed copy of this Agreement is not returned to MHG within 30 calendar days of the date of this proposal, then the proposal shall be deemed null and void.
- J. ~~Each party waives any right to request, demand, or have a jury trial in connection with any dispute or controversy between the parties which in any way relates to or concerns this contract or the subject work performed. In the event such disputes or controversies between the parties concern a total amount claimed by either or both parties in excess of Ten Thousand Dollars (\$10,000.00), the parties agree that all such disputes or controversies will be submitted to American Arbitration Association for binding arbitration under the Construction Industry Arbitration Rules. Notice of the demand for arbitration will be provided to the other party by certified mail. The party who does not prevail in arbitration will be responsible for the reasonable and direct costs of arbitration. The award rendered by the arbitrator will be final and judgment may be rendered upon it in accordance with applicable laws of any court having jurisdiction thereof.~~
- K. All documents prepared by MHG will remain the property of MHG until MHG has received full payment for all services related to the preparation of the documents, at which time the documents will be owned by the client and MHG. If the client so requests, and the client's account is current, the client will be provided reproducible copies of the documents. All digital information (including coordinate data) will remain the property of MHG. This digital information will be released only at the sole discretion of MHG and MHG may seek additional compensation if MHG agrees to release the information.
- L. Limitation of Liability: In recognition of the relative risks, rewards and benefits of the project to both the Client and MHG, the risks have been allocated such that the Client agrees that, to the fullest extent permitted by law, MHG's total liability to the Client for any and all injuries, claims, losses, expenses, damages or claim expenses arising out of this agreement for any cause or causes, shall not exceed MHG's available professional liability insurance limits. Such causes include, but are not limited to, MHG's negligence, errors, omissions, and strict warranty.
- M. Any applicable statute of limitations shall commence to run not later than the relevant date of substantial completion of the work.
- N. Fees quoted herein will be held until June 30, 2014. Fees for hourly services extending beyond this time will be adjusted to reflect annual adjustments to our billing rates. Lump sum fees may be subject to re-negotiation beyond the above noted date.



## ATTACHMENT A



### GOVERNMENT OF THE DISTRICT OF COLUMBIA DEPARTMENT OF GENERAL SERVICES

#### STATEMENT OF WORK FOR DESIGN SERVICES AT KALORAMA PARK

##### LOCATION

Kalorama Park is a 3-acre triangular park located at the intersection of Columbia Road, Kalorama Road, and 19th Street, NW in Ward One of Washington, DC.

##### SCOPE OF WORK

The Architect/Engineer (A/E) shall provide all necessary labor and services as required to achieve 100% construction documents for the work described below:

- Provide full design and engineering services including site surveys as required.
- Review existing condition assessment and recommendations in Volkert Report.
- Perform field investigations necessary to confirm the existing site conditions. Utilize reference documentation available (Volkert Report) and provide additional recommendations.
- Meet with and coordinate the requirements of the project with authorities having jurisdiction, including: Project Manager, Department of Parks and Recreation (DPR) and the community.
- Make changes in design necessary to obtain approval from authorities having jurisdiction, without additional compensation to A/E.
- Prepare presentation materials and meet with community and public officials to achieve support for the design. The selected firm will meet with the Kalorama community at 50% completion of the construction documents and then again at 100%. The selected firm shall listen to comments from the community and incorporate any pertinent information provided during the community meetings. An additional community meeting might be required.
- Produce construction documents per site surveys as well as implement Volkert Report recommendations and A/E recommendations, as approved by the Department and DPR.
- Select and modify construction documents per DGS/DPR and community input.

##### PROGRAM REQUIREMENTS

- Provide Soil Replacement Recommendations.
- Provide Landscaping Design as needed.
- Provide Planting Plan.
- Provide Berm Design.
- Provide Soil Management & Plan.
- Provide Walkway/Pavement Design.
- Provide additional Hardscape Design.
- Provide drainage Design (Sediment & Erosion Control).
- Provide Standard and Specification for Vegetative Stabilization.
- Use low impact development storm-water management approaches; design must meet current storm water management regulations.
- Use native landscaping plantings.
- Use recycled/recyclable materials where possible.

##### SERVICES REQUESTED

###### Topo and Boundary Survey

The A/E shall be responsible for the collection, assessment and verification of existing conditions. The A/E shall conduct a complete site survey of the sites as required to successfully construct the spaces. At a minimum, the survey shall include boundary, topographical and utility data.

###### Design & Construction Documents

- The A/E shall meet with DGS and DPR as required to develop additional design ideas for the site.
- The A/E shall attend required community meetings to discern community requirements. Provide the team with meeting minutes of the activities and community feedback within three (3) business days.
- Provide preliminary designs for the site based on DGS and DPR input.
- Work with DGS and DPR to review designs and incorporate any design changes.
- Work with DGS and DPR to select a preferred design based on DGS/DPR review and community feedback.
- Develop and Provide 100% Construction Documents;
- Provide project renderings including: aerial view, elevations, and others if required; and
- Coordinate with District of Columbia State Historic Preservation Officer's (DC SHPO), per their standards and guidelines, with respect to the need for an archaeological survey. The actual Phase 1 archaeological survey is not included in the base bid scope of work, as explained below.

#### **Geotechnical Study**

The A/E may be required to conduct a geotechnical study to determine soil and subsurface engineering properties and suitability for the proposed design and to make appropriate recommendations to DGS. If directed, the A/E shall perform up to eight (8) soil borings, and the A/E would present all findings in a report to DGS. Please submit an add/alternate price for this work as specified in the Request for Quotation.

#### **Phase I Archeological Survey**

The A/E may be asked to conduct a Phase I archeological survey of the site in accordance with the DC SHPO standards and guidelines. Please provide an add/alternate price for this work as specified in the Request for Quotation.

#### **SCHEDULE**

The A/E team shall complete and deliver the Construction Documents no later than sixty (60) days from Notice to Proceed.

#### **ATTACHMENTS**

- Attachment A – Volkert Technical Memo 1 – Site Investigation Notes
- Attachment B – Volkert Technical Memo 2 – Recommendations
- Attachment C – Kalorama Erosion Project Presentation
- Attachment D – Site Aerial

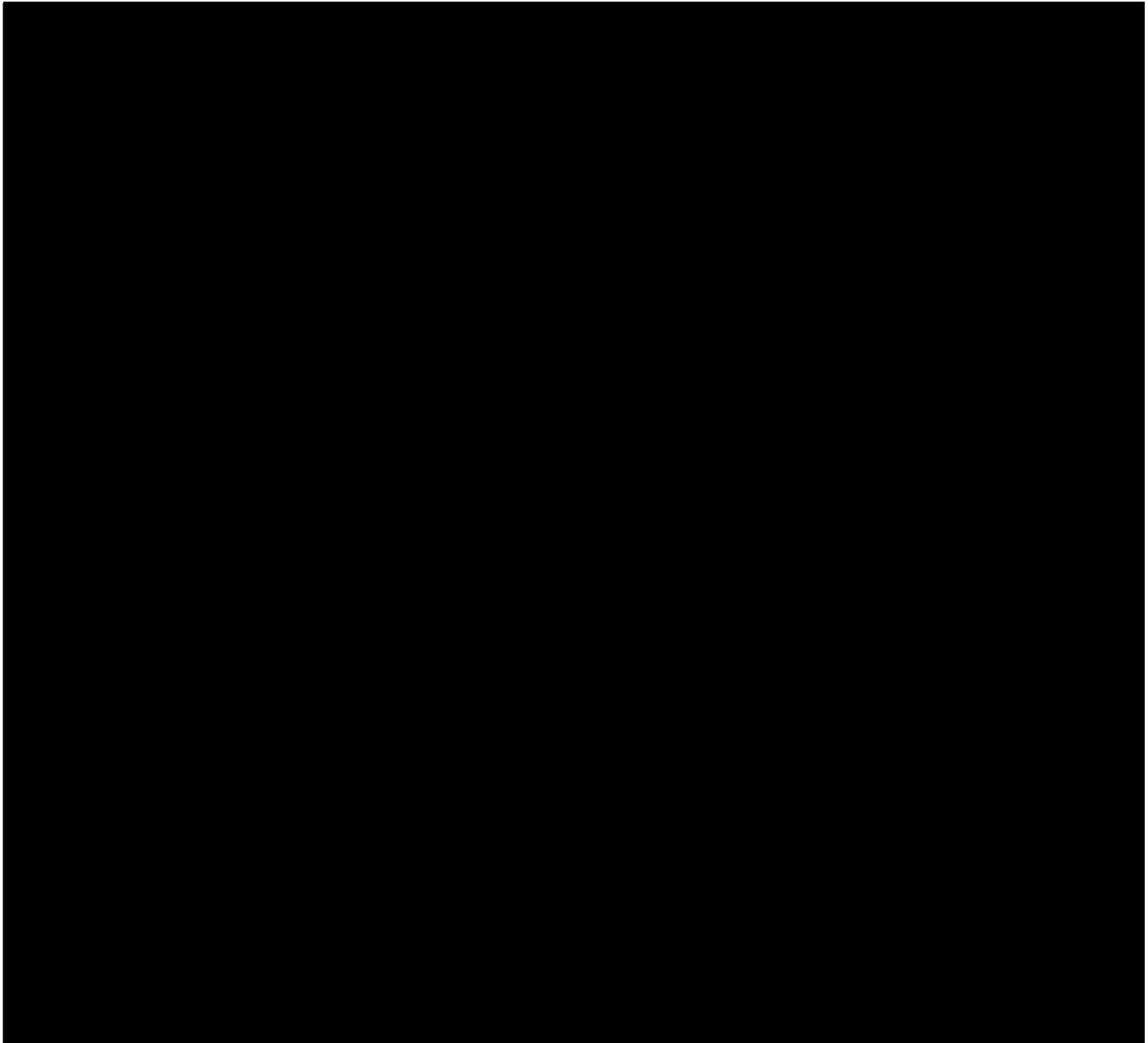
**STEPHEN E. CRUM, P.E.**

TITLE: **Principal**

EXPERTISE: Civil Engineering

EXPERIENCE WITH MACRIS, HENDRICKS AND GLASCOCK, P.A.

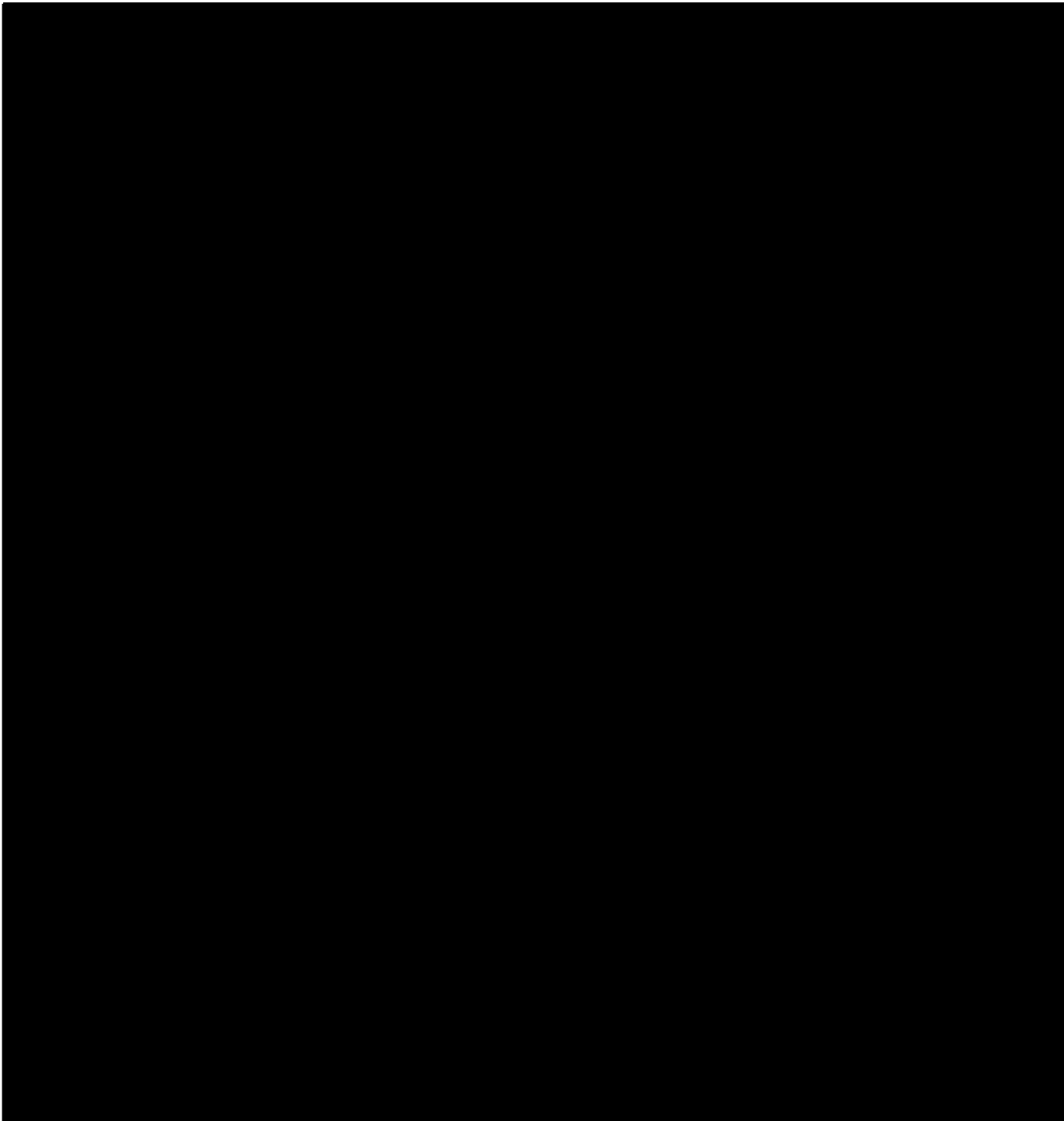




**PATRICK G. LA VAY, P.E.**

**TITLE:**       **Project Engineer**

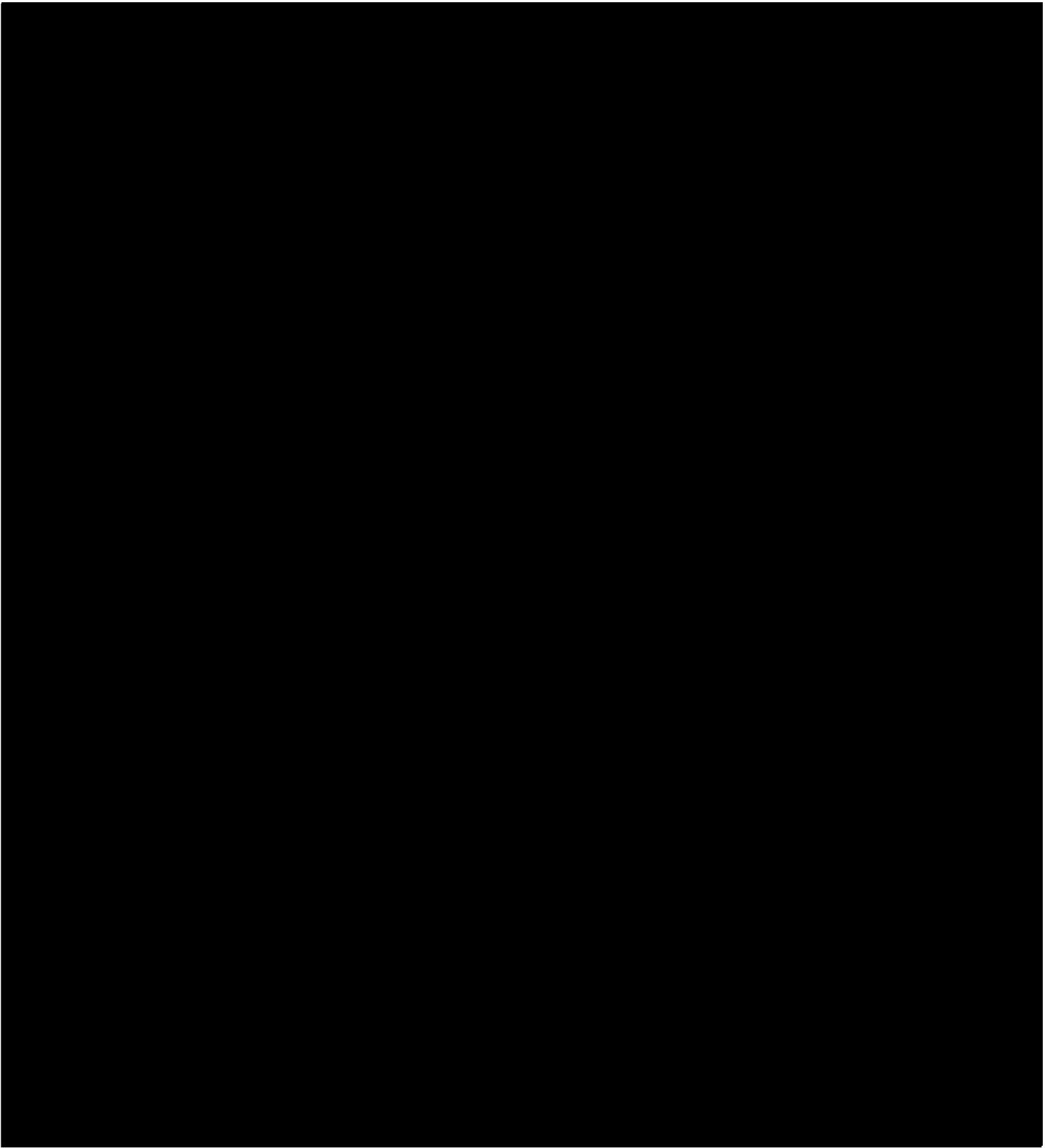
**EXPERTISE:** Civil Engineering and Project Management Relating to Development Projects in Maryland and Washington, D.C.



**PEARCE C. WROE, P.E., LEED AP**

**TITLE:** Design Engineer

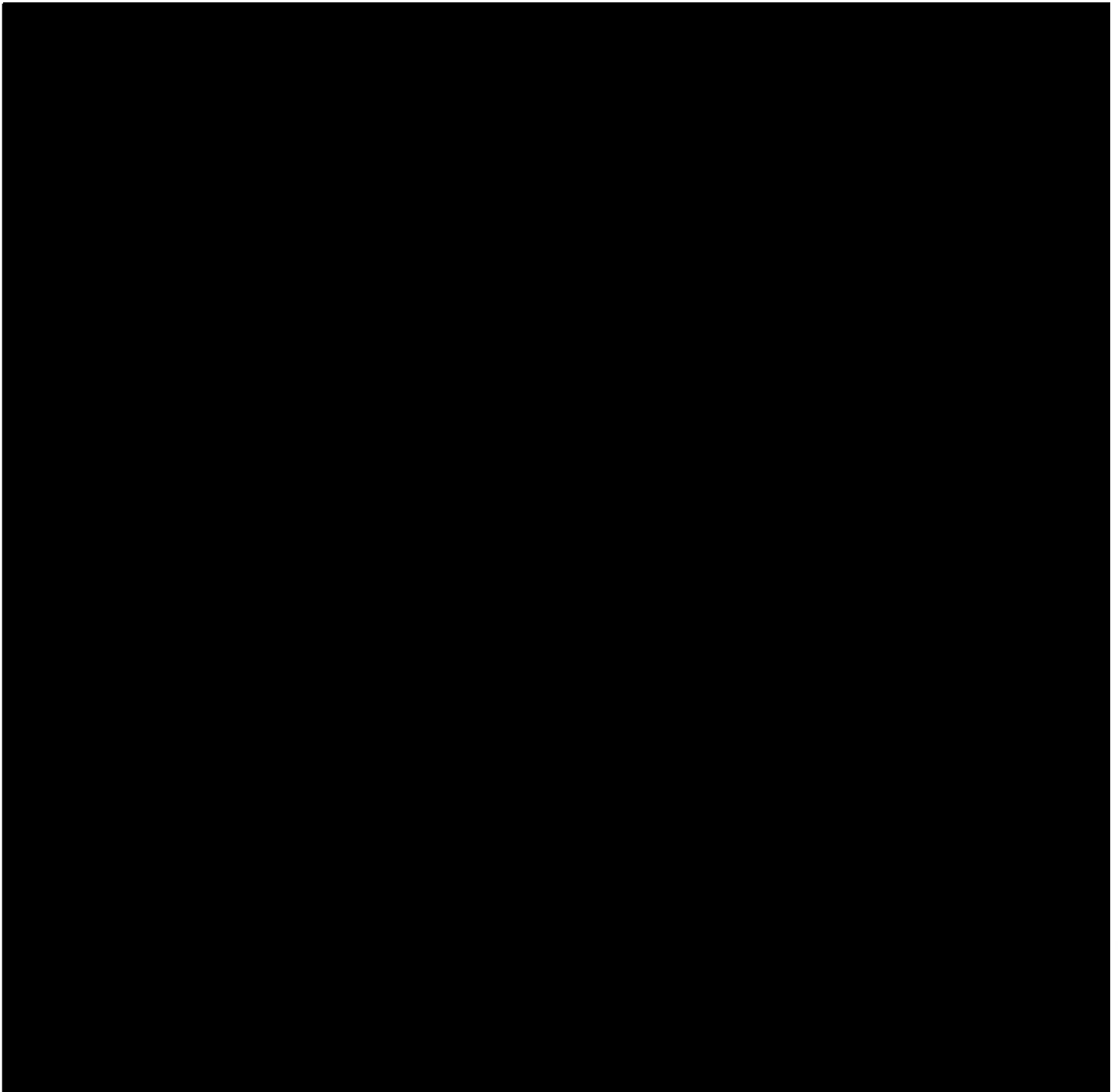
**EXPERTISE:** Stormwater Management Design, Watershed Analysis and Drainage Analysis

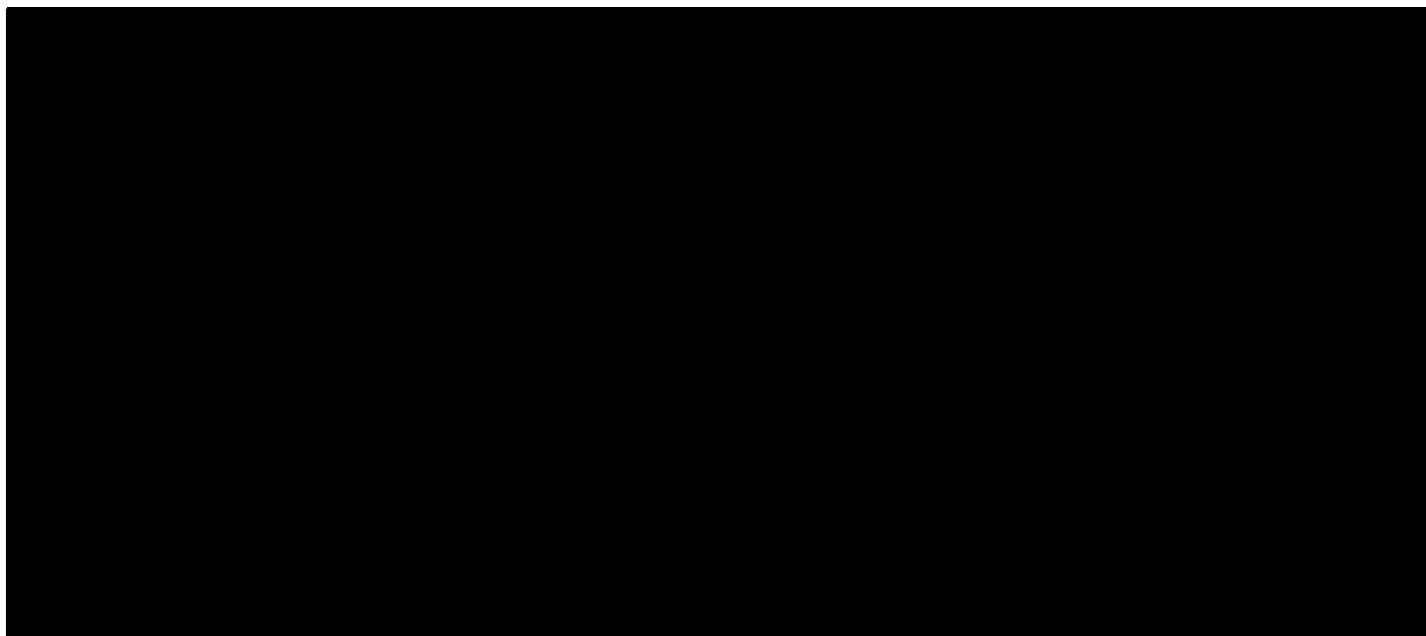


**VICTORIA S. BRYANT, RLA, ASLA**

**TITLE:** Vice President of Planning and Landscape Architect

**EXPERTISE:** Landscape Architecture, Land Use Planning, Horticulture







## ATTACHMENT C

### Breakdown of MHG's Fee for Civil Engineering and Landscape Architecture

Topographic Survey	\$ 7,500.00
Boundary Survey	\$ 3,500.00
Grading Plan	\$ 5,500.00
Landscape Plan	\$ 7,500.00
Specifications	\$ 1,500.00
Arborist Services	\$ 5,000.00
Sediment Control/ Stormwater Management Plan	\$ 10,000.00
Meetings	<u>\$ 8,000.00</u>
(10 meetings x 4hours per meeting with each meeting attended by 2 MHG personnel)	
	<b>\$ 48,500.00</b>

## ATTACHMENT D

### R. Christopher Goodwin & Associates, Inc.

#### Corporate Experience

R. Christopher Goodwin & Associates, Inc. is an award-winning cultural resource management group with thirty-two years of experience in the preservation disciplines. Our contributions in the fields of archeology, architectural history, nautical archeology, applied history, and cultural resource management have been recognized at local, state, and national levels and reflect our commitment to excellence in the compliance process and to preserving our nation's heritage through the development of effective and innovative stewardship approaches.

R. Christopher Goodwin & Associates, Inc. offers the complete suite of archeological, architectural, and historical services designed to meet federal, state, and local compliance requirements, and to facilitate due diligence and project planning. Our expertise is unsurpassed in conducting complex, multidisciplinary cultural resource projects in support of compliance with Section 106 of the National Historic Preservation Act of 1966, as amended. Our project teams draw from an experienced cadre of full-time, professional archeologists, architectural historians, historians, GIS professionals, and supporting staff whose dedication and drive are unparalleled. Our regional offices support cultural resource studies across the Contiguous United States (CONUS); in Alaska and Hawaii; in Puerto Rico, the Virgin Islands, and the Bahamas; and in a number of other foreign/host countries Outside of the Contiguous United States (OCONUS).

Our professional staff of 113 is experienced in executing complex, interdisciplinary projects across the full range of the cultural resources disciplines. Our superb and fully outfitted archeological laboratories, computer laboratories, and geographic information systems facilities, plus the complete array of remote sensing data collection and surveying instruments, contribute to our ability to mobilize quickly, to execute work fully, and to meet challenging schedules effectively and professionally.

Since our founding in 1981, we have provided our clients with sound, comprehensive, and effective approaches to the successful management of federal, state, and local compliance efforts. Our extensive services include all phases of terrestrial and nautical archeological studies, from due diligence through mitigation; National Register of Historic Places Determinations of Eligibility; all levels of Historic American Building Survey, Historic American Engineering Record, and Historic American Landscape Survey studies (HABS/HAER/HALS) and documentation; Section 4F planning studies; National Historic Preservation Act, Sections 106 and 110, studies and compliance; development of Integrated Cultural Resource Management Plans (ICRMPs), Treatment Plans, Memoranda of Agreement and Programmatic Agreements; and, assistance with Native American cultural resources issues including studies related to properties of traditional religious and cultural importance (TCPs). Our specialists also design public outreach and interpretation materials including outreach programs supported by such products as websites, full-color popular publications, posters, curriculum modules, and brochures, and they also coordinate the development of interpretive signs, electronic media (including interactive kiosks), and museum quality displays.

Our professional staff meets or exceeds the Secretary of the Interior's Professional Standards. All of our project managers and principals have received training on the Section 106 compliance process (36 CFR 800) through the Advisory Council on Historic Preservation. We have a nationwide presence and are well versed in all levels of legislation pertaining to the management and stewardship of our nation's cultural resources. We provide Local Knowledge on a Global Scale. Our work has made proven contributions to archeological, architectural, geomorphological, and historical understanding, while at the same time providing our clients with cost-effective, comprehensive, and often innovative means to compliance.

Our portfolio of projects completed within the District of Columbia range from *Phase I Remote Sensing Marine Survey for the Washington Sailing Marina* to *Phase I and II Archeological Investigations in the Shaw and Fourteenth Street Urban Renewal Areas*, to *Integrated Cultural Resource Management Plans (ICRMPs) for Walter Reed Medical Center*, to revisions to the *Washington Aqueduct National Historic Landmark* nomination. Our staff maintains successful working relationships with the Advisory Council on Historic Preservation and the D.C. Historic Preservation Office and is conversant fully with their consultation and reporting standards.

**Design Services at Kalorama Park  
Archeological Investigations  
R. Christopher Goodwin & Associates, Inc.**

Conduct Phase I Archeological Survey for approximately 3 acres in an urban setting and prior to disturbance: \$15,904.88

This amount includes archival research, along with manual field investigations; laboratory processing for cultural materials, and preparation of draft and final technical report.

Assumptions for Phase I Investigations

The principal objective of Phase I survey is to identify and characterize archeological resources that may be present within the project area, and to offer recommendations for managing those resources. The proposed work will include:

- Archival research: General context research will focus on collecting background and archival data pertaining to prehistoric and historic activity in the vicinity of the project. Background investigation also will identify historic contexts and themes that are important for assessments of significance and for the interpretation of any discovered resources. The proposed research will be conducted primarily at local research repositories in Washington, D.C.
- Field investigations: Archeological fieldwork will focus on determining the extent, nature, and potential integrity of pre-modern archeological deposits and features that may be present within the testing area. Controlled interval shovel tests will be excavated following District of Columbia guidelines.
- Laboratory analysis will encompass standard treatment of excavated materials, including cleaning; identification; inventory; curation to standards established by the District of Columbia; and processing of field and photographic records. No artifact conservation will be undertaken. Collections will be archived with the District of Columbia.
- A Draft technical report will be prepared summarizing the study and offering management recommendations for any cultural resources identified during the study. Following receipt of review comments from the D.C. SHPO, Goodwin & Associates, Inc. will produce a final technical report. All reports will meet or exceed the reporting standards established by District of Columbia.

**Partial List of Projects Completed by R. Christopher Goodwin & Associates, Inc. in Washington, D.C.**

Historical and Archeological Assessment of the Proposed Oxon Cove Prison Site, Washington, D.C.

Historic American Building Survey Documentation: Washington Navy Yard Buildings 33, 37, 39, and 109

Walter Reed Army Medical Center, Integrated Cultural Resources Management Plan

Dalecarlia Water Treatment Plant Historic American Engineering Record Documentation and Dalecarlia Employee Dwellings Historic American Building Survey Documentation

Phase II Archeological Investigations of the Proposed ASR-9 Radar Facility, Anacostia, Washington, D.C., S.E.

Phase I Remote Sensing Marine Archeological Survey for the Washington Sailing Marina Addendum to: Phase I Remote Sensing Marine Archeological Survey for the Washington Sailing Marina

Historical and Archeological Investigations of the Planned Washington National Airport Surveillance Radar Facility Site, Washington, D.C.

Architectural Inventory and Evaluation of Naval Station Anacostia

Washington Aqueduct Cultural Resource Management Plan

Phase I Cultural Resources Reconnaissance, Washington, D.C. and Vicinity Local Flood Protection Project

Historic American Buildings Survey Documentation: Washington Navy Yard Buildings 28, 142, 143, 198, 201, 104, and 197

Phase I and II Archeological Investigations in the Shaw and Fourteenth Street Urban Renewal Areas, Washington, D.C.

Cultural Resources Investigations in Support of the Preparation of an EA for the Proposed Redevelopment of the Potomac Job Corps Center, Washington, DC

Historic American Building Survey Documentation: 5900 - 5910 Dalecarlia Place, Washington Aqueduct

Archeological Investigations at 4437 Reservoir Road, NW, Washington, DC

Phase I/II Archeological Investigations Related to Proposed Improvements at Parkside Court, 1406 22nd Street, SE, Washington, D.C.

Historic Resources Survey: Addendum to the 1970 Historic Structures Report Forts Carroll and Greble, Washington, D.C.

Phase I Remote Sensing Marine Archeological Survey for the Washington Sailing Marina

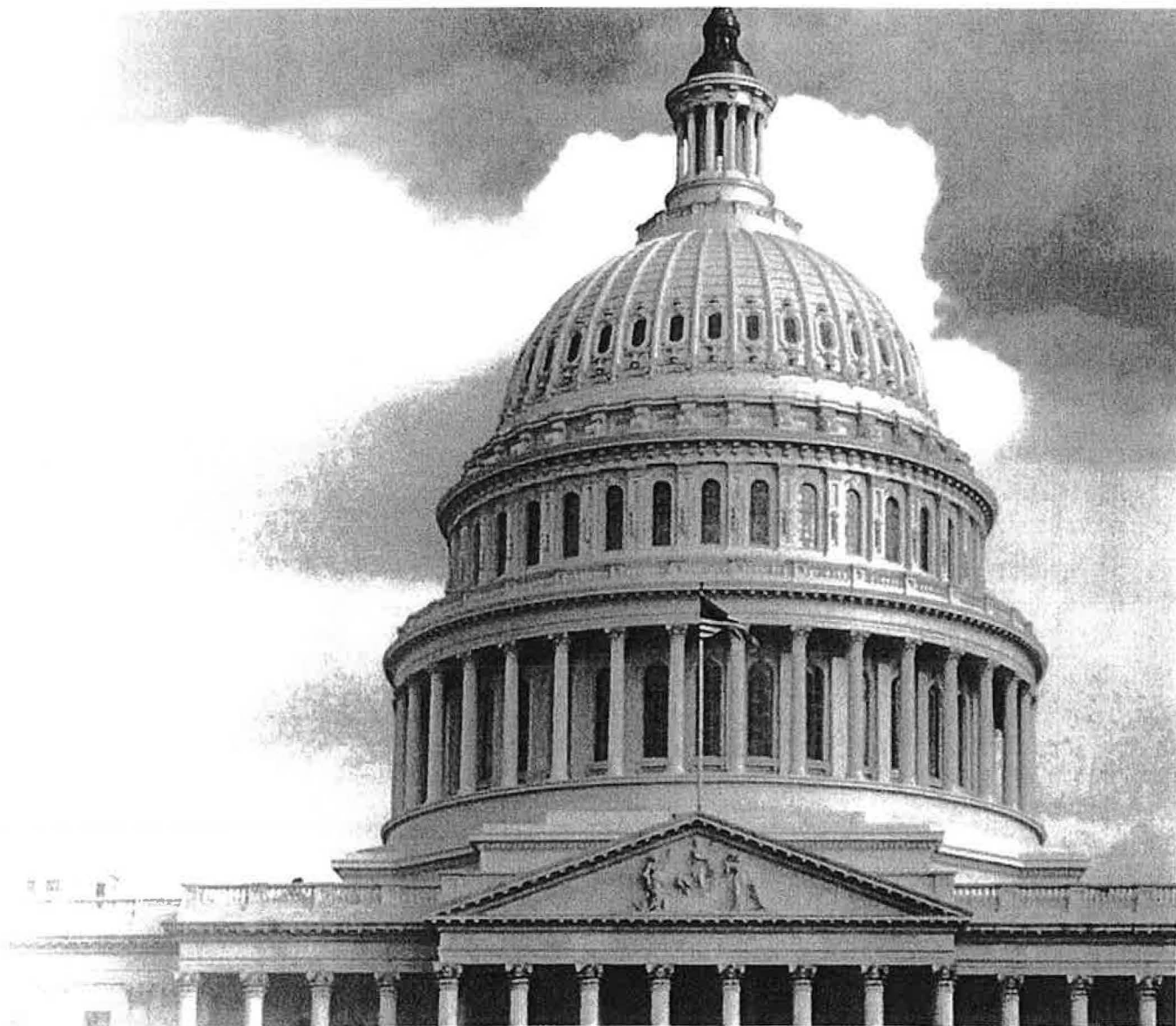
Final Washington Aqueduct National Historic Landmark Nomination

Washington Aqueduct Architectural Survey, District of Columbia and Montgomery County, Maryland

ATTACHMENT E

# ECS CAPITOL SERVICES, PLLC

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**Proposal For**

**Subsurface Exploration, Infiltration Testing and  
Geotechnical Engineering Services  
Kalorama Park, NW, Washington, DC**





## ECS CAPITOL SERVICES, PLLC

*"Setting the Standard for Service"*

Geotechnical • Construction Materials • Environmental • Facilities • Code Compliance

April 15, 2014

Mr. James W. Hendricks, P.E.  
Macris, Hendricks, and Glascock, P.A.  
9220 Wightman Road  
Suite 120  
Montgomery Village, Maryland 20886

ECS Proposal No. 37:586-GP

Reference: Proposal for Subsurface Exploration, Infiltration Testing and Geotechnical Engineering Services, Kalorama Park, NW, Washington, DC

Dear Mr. Hendricks:

As requested in your April 9, 2014 email request, ECS Capitol Services, PLLC (ECS) is pleased to present the following estimated fee proposal for providing in-situ infiltration testing and geotechnical engineering services for the above-referenced project located in northwest Washington, DC.

In preparing this proposal, ECS has had the opportunity to review the Request for Quotation (RFQ) provided to us by you and dated April 4, 2014. We have also been able to review the available geologic and geotechnical information in our files for the general site vicinity.

### **Project Description**

Based on the information included in the RFQ, limited details regarding the proposed project are available at this time; however, we understand the project will consist of upgrading the park's stormwater management and grading to reduce erosion and other problems observed at the park. At this time other details regarding the project were not available; however we understand it may be necessary to perform a subsurface exploration and potentially infiltration testing on the project site. Additional details regarding the scope of services associated with the project are included in subsequent sections of this proposal.

### **Scope of Services**

Based on the RFQ, up to 8 soil borings may be necessary on the project, therefore we have included the costs associated with performing 8 soil borings on the project site. At this time their locations are unknown; however, we have assumed they will be performed in private space and obtaining a DCRA/DDOT public space permit will not be necessary. Although it is unknown what the borings will be utilized for, we anticipate they will most likely be for stormwater

management features and will require infiltration testing. Therefore, we have assumed each boring will be extended to a maximum depth of 15 feet below existing site grades and infiltration testing will take place at a maximum depth of 10 feet below existing site grades. The in-situ infiltration testing will be performed following presoaking and setup and will be conducted in general accordance with DDOE Appendix O.

Our integrated services will include performing the field work by crews working at ECS' direction, laboratory testing of representative samples for pertinent engineering properties, and reporting the results of the test results obtained for the preparation of an engineering letter report. The engineering letter report will include the following items:

- a. Obtaining the necessary DCRA/DDOE Permits.
- b. A review of the published geologic conditions and their relevance to your planned development.
- c. Observations from our site reconnaissance including current site conditions.
- d. A subsurface characterization and a description of the field exploration and laboratory tests performed. Groundwater concerns relative to the planned construction, if any, will be summarized.
- e. Final logs of the soil borings and records of the field exploration prepared in accordance with the standard practice for geotechnical engineering. A boring location plan will be included, and the results of the laboratory tests will be included on a separate test report sheet.
- f. Results of the in-situ infiltration testing.
- g. Recommendations for additional testing and/or consultation that might be required to complete the geotechnical assessment and related engineering for this project.

### **ECS Advantages**

In addition to the standard services many local geotechnical and materials testing engineering firms provide, ECS has distinguished itself on multiple disciplines to allow us to "Set the Standard of Service" for you, our clients.

Most notably:

- **Resources.** ECS is the largest geotechnical and materials testing engineering firm in the Washington, DC metropolitan area, which allows us to meet your schedule and project timeline requirements. Our size has allowed us to maintain consistent staffing levels to react to your fast-paced projects.
- **Experience.** ECS has established an extensive subsurface database for all local geologies, allowing us to economically price subsurface explorations and offer the most appropriate techniques initially, not after the first phase of testing is complete.
- **Technology.** ECS utilizes Global Positioning System (GPS) services to accurately locate borings in the field. This technology allows us to control the responsiveness of our subsurface exploration and ultimately our report deadlines, versus relying on other firms to locate borings.



- **Expertise.** ECS has in-house geotechnical and geophysical testing. These services include ground penetrating radar (GPR), coring services, and destructive testing services.

### **DCRA Permitting and DDOE Soils Disposal Allowance**

Once we are authorized to proceed, we will begin the process of obtaining the necessary Department of Consumer and Regulatory Affairs (DCRA) and the District Department of the Environment (DDOE) for drilling wells or boreholes on private property in Washington, DC. Based on our recent experience with permitting requirements in Washington, DC, we anticipate it may require about 1.5 to 2.5 weeks to obtain the drilling permit.

In addition to obtaining the necessary permits to perform the borings, DDOE requires the spoils generated from the drilling process be placed in containers (ECS typically uses drums). The materials are then tested for contaminants and a hazardous materials-handling subcontractor is hired to remove the spoils from the site and dispose of them in the proper location. DDOE also requires the borings to be backfilled with a bentonite slurry. The costs associated with the services required to comply with DCRA/DDOE are shown in the Permitting and Soil Disposal Services portion of the cost breakdown.

### **Cost Estimate**

ECS will provide our services on a unit-fee basis in accordance with the fees depicted on the detailed "Cost Estimate" below. We have provided a total-fee estimate based on the scope of services described above. The estimated cost associated with the scope of services identified above is as follows:

		QTY.	TOTAL UNIT	UNIT RATE	COST
<b>Field Exploration:</b>					
9006	Drill Rig Mobilization (ATV)				\$725.00
9009	Drill Rig Moving, Cleanup, Delay				\$400.00
9013	Private Utility Locator				\$875.00
9020	Drilling Borings (0'-40')				\$1,680.00
9029	Infiltration Auger Probe				\$880.00
9060	Infiltration Test Setup				\$680.00
9067	Infiltration Tests				\$1,800.00
					<b>\$7,040.00</b>
<b>Laboratory Testing:</b>					
4000	Visual Classifications				\$180.00
4100	Moisture Content Tests				\$120.00
4300	Atterberg Limits Tests				\$560.00
	Gradation Analysis, washed				
4450	sieve				\$560.00
5010	Hydrometer Analysis				\$560.00
					<b>Laboratory Testing Subtotal:</b>
					<b>\$1,980.00</b>