



COMMONWEALTH OF VIRGINIA
STANDARD CONTRACT

Contract No. UCPJMU7471

This contract entered into this 5th day of June 2026, by HGS LLC DBA RES, hereinafter called the "Contractor" and Commonwealth of Virginia, James Madison University called the "Purchasing Agency".

WITNESSETH that the Contractor and the Purchasing Agency, in consideration of the mutual covenants, promises and agreements herein contained, agree as follows:

SCOPE OF CONTRACT: The Contractor shall provide the services to the Purchasing Agency as set forth in the Contract Documents.

PERIOD OF PERFORMANCE: From July 21, 2026, through July 20, 2027, with four (4) one-year renewal options.

The contract documents shall consist of:

- (1) This signed form;
(2) The following portions of the Request for Proposal RFP JBM-1249 dated February 17, 2026
(a) The Statement of Needs,
(b) The General Terms and Conditions,
(c) The Special Terms and Conditions together with any negotiated modifications of those Special Conditions;
(d) Addendum No. One – February 23, 2026
(e) Addendum No. Two – March 11, 20226
(3) The Contractor's Proposal dated March 17, 2026 and the following negotiated modification to the Proposal, all of which documents are incorporated herein.
(a) Negotiations Summary, dated May 12, 2026

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound thereby.

CONTRACTOR:

PURCHASING AGENCY:

By: [Signature]
(Signature)

By: [Signature]
(Signature)

Rick Atkinson
(Printed Name)

Juan Becerra Martinez
(Printed Name)

Title: General Manager, Mid-Atlantic

Title: Senior Buyer

RFP# JBM-1249 STORMWATER STRUCTURE MAINTENANCE
5/12/2026

The Primary Point of Contact for this Contract is:

Rick Atkinson
804-389-9122
ratkinson@res.us

GENERAL:

1. Any change in the scope described herein shall be mutually agreed upon by the Purchasing Agency and Contractor with all changes first being authorized through either a contract modification and/or a change order issued by the Purchasing Agency.
2. Parties agree that this Negotiation Summary modifies RFP# JBM-1249 and the Contractor's initial response to RFP# JBM-1249, and in the event of conflict, this negotiation summary shall take precedence.
3. Contractor agrees that all exceptions taken within their initial response to RFP# JBM-1249 that are not specifically addressed within this negotiation summary are null and void.
4. HGS LLC dba RES agrees that the terms and conditions as stated in the RFP will govern and be abided by.
5. Quotes and invoices shall be broken out per the pricing schedule to clearly identify contract pricing is being followed.
6. Storm drain cleaning services shall be quoted and invoiced using the applicable labor, vacuum truck/operator, disposal, confined space entry, and other applicable pricing schedule line items.
7. HGS LLC dba RES agrees that SWaM subcontractor usage will be reported as applicable to work performed for James Madison University.
8. HGS LLC dba RES agrees that Rental equipment will be offered to JMU at the "counter rate" (the same rate inquired by HGS LLC dba RES from the rental company)
9. HGS LLC dba RES agrees that during any subsequent renewal periods, the Commonwealth elects to exercise the option to renew the contract, the contract price(s) for the subsequent renewal period shall not exceed the contract price(s) of the previous renewal period increased/decreased by more than the percentage increase/decrease of the other services category of the CPI-W section of the

Consumer Price Index of the United States Bureau of Labor Statistics for the latest twelve months for which statistics are available.

10. For any purchases excluding from Point-of-Sale purchases, the University will issue an eVA purchase order based upon a quote provided by HGS LLC dba RES. No additional agreements, orders forms, or signatures shall be required.

11. Payment shall be made in accordance with the Commonwealth of Virginia Prompt Payment requirements, Code of Virginia Sections [Section 2.2-4347 through 2.2-4354](#).

PRICING SCHEDULE:

The following Labor, Other Fees, and Discounts sections represent the negotiated pricing for all represented items and should be reflected in all quotes and proposals for the University. No other fees or charges shall be acceptable. The following pages, taken from the RFP and edited where negotiated, represent the agreed-upon pricing for this contract.

The following labor rates are listed by discipline and classification and include base wages, benefits, taxes, insurance and payroll costs complete.

LABOR RATES			
Personnel	Normal Working Hours	Overtime/ Weekend/Holiday/ Emergency Hours	Unit
Principal	\$197.00	\$260.00	/hour
Certified Safety Professional/Sr. Project Manager	\$160.00	\$240.00	/hour
Environmental Engineer/Professional Geologist	\$158.00	\$235.00	/hour
Project Manager	\$155.00	\$215.00	/hour
Equipment Manager	\$142.00	\$213.00	/hour
Responsible Land Disturber	\$115.00	\$180.00	/hour
Staff Geologist	\$124.00	\$178.00	/hour
Environmental Scientist	\$135.00	\$185.00	/hour
Draftsperson/ CADD Operator	\$150.00	\$210.00	/hour
Field Technician	\$120.00	\$168.00	/hour
Administrative/Documents Manager	\$120.00	\$168.00	/hour
Supervisor	\$153.00	\$215.00	/hour
Laborer	\$67.00	\$94.00	/hour
Vacuum Truck and operator services	\$420.00		/hour
Vacuum Truck and operator services-Mobilization Fee	\$450		Daily
Confined Space Entry cost per crew (4 Crew Members)	\$328.00		/hour
Confined Space Entry cost per crew- Mobilization Fee	\$285		Daily
Liquids Hauling Charge	\$4.00	\$4.00	/gallon
Solids Hauling Charge	\$4.00	\$4.00	/gallon
Pressure Wash Fee	\$1,665.00	\$ 1,665.00	/event

NEGOTIATION SUMMARY

HGS LLC DBA RES

Equipment		
Equipment Type	Rate	Unit
Trackhoe	\$750.00	Per Day
Mini Excavator	\$478.00	Per Day
Backhoe	\$525.00	Per Day
Skid Steer	\$365.00	Per Day
Single-axle dump	\$350.00	Per Day
Tandem Axle Dump Truck	\$995.00	Per Day
Service truck (4 hour minimum)	\$705.00	Per Day
CCTV Equipment with Trailer	\$1,355.00	Per Day
Dewatering Pump {6"} and Hoses	\$350.00	Per Day
Chipper	\$240.00	Per Day

Other Direct Costs		
Type	Amount	Unit
Provide & install replacement backfill (compacted clay)	\$62.00	Per Ton
Class I Rip Rap	\$95.00	Per Ton
Clearing and Grubbing Crew cost per crew (4 crew members)	\$350.00	/hour
Clearing and Grubbing Crew cost per crew (4 crew members)	\$285	Daily
Mobilization fee		
Erosion Control Mat with Staples	\$375.00	Per roll
Soil and Water Analysis (Standard Turnaround)		
-characterization	\$300.00	Each
-Total petroleum hydrocarbon (TPH)	\$260.00	Each
Benzene, toluene, ethylbenzene, and xylenes (BTEX)	\$340.00	Each

Other Fees	
Type	Amount
Credit Card Processing Fee	3%



James Madison University

Stormwater Structures Maintenance

RFP# JBM-1249



REQUEST FOR PROPOSAL
RFP# JBM-1249

Issue Date: February 17, 2026
Title: Stormwater Structures Maintenance
Issuing Agency: Commonwealth of Virginia
James Madison University
Procurement Services MSC 5720
752 Ott Street, Wine Price Building
First Floor, Suite 1023
Harrisonburg, VA 22807

Period of Contract: From Date of Award Through One Year (Renewable)

Sealed Proposals Will Be Received Until 2:00 PM on March 17, 2025 for Furnishing The Services Described Herein. (See Special Terms & Conditions "D. Late Proposals")

SEALED PROPOSALS MAY BE MAILED, EXPRESS MAILED, SUBMITTED IN eVA, OR HAND DELIVERED DIRECTLY TO THE ISSUING AGENCY SHOWN ABOVE.

All Inquiries For Information And Clarification Should Be Directed To: Juan Becerra Martinez, Buyer Senior, Procurement Services, becer2jx@jmu.edu; 540-568-3130; (Fax) 540-568-7935 not later than five business days before the proposal closing date.

NOTE: THE SIGNED PROPOSAL AND ALL ATTACHMENTS SHALL BE RETURNED.

In compliance with this Request for Proposal and to all the conditions imposed herein, the undersigned offers and agrees to furnish the goods/services in accordance with the attached signed proposal or as mutually agreed upon by subsequent negotiation.

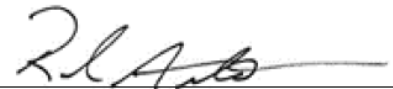
Name and Address of Firm:

HGS, LLC

5367 Telephone Rd,

Warrenton, VA 20187

By:


(Signature)

Name:

Rick Atkinson

(Please Print)

Date:

3/17/2026

Title:

Region General Manager

Web Address:

<https://res.us>

Phone:

804.389.9122

Email:

ratkinson@res.us

Fax #:

713.520.5401

ACKNOWLEDGE RECEIPT OF ADDENDUM: #1 RA #2 RA #3 _____ #4 _____ #5 _____ (please initial)

SMALL, WOMAN OR MINORITY OWNED BUSINESS:

YES; NO; *IF YES* ⇒⇒ SMALL; WOMAN; MINORITY *IF MINORITY:* AA; HA; AsA; NW; Micro

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against an offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

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Introduction

HGS, LLC, a wholly owned subsidiary of Resource Environmental Solutions, LLC (together with all of its subsidiaries and affiliates, "RES")¹, is pleased to submit the enclosed proposal to James Madison University (the University) in response to Request for Proposal (RFP) JBM-1249 *Stormwater Structures Maintenance*. Should you have any questions regarding RES' response or require additional information, please contact **Wes Tweedy, reached by phone: 571.242.3006 or via email: wtweedy@res.us**. Thank you for your consideration of RES.

Section 2. Plan and Methodology

RES' project approach is to develop a working partnership with our client, and any other project stakeholders, in order to ensure successful implementation of the complex, environmental projects that are our specialty. The key personnel selected for this Stormwater Structures Maintenance Contract with the University will make sure each task is done right the first time, recognizing that open and direct communication is our best tool for this. As a firm, we have been recognized time and again on our ability and willingness to initiate and follow through on this team approach to projects. Obtaining input as the project occurs will ensure a product with which everyone is proud.

Quality begins with a clear understanding of the scope and requirements of each task. Upon award, RES will solicit feedback from the University regarding internal systems, including invoicing and management protocol, to ensure we are working within your system appropriately and efficiently. Upon issuance of a task order, the assigned project manager will coordinate with University staff to determine project background and client expectations. Project purpose, goals, and scope will be discussed with the University. RES will obtain the University's background data initially acquired for the stormwater management facilities.

We will consistently communicate our understanding of the project scope and the steps and timeframes to complete each task. Depending on the complexity and sensitivity of a given task, this communication may take the form of regularly scheduled or periodic meetings, as preferred by the University, with appropriate University staff (and any other project stakeholders). If we have several tasks being performed in parallel on this contract, we will treat our work as a program and manage its execution as if RES were part of the University's staff. We will communicate our progress to you throughout the duration of the project and maintain all coordination through the project manager, primarily. We will request feedback periodically from the University as to how we can operate more effectively.

Depending on the length of the task, RES will hold regular check-in meetings (weekly or bi-weekly) with the involved project staff to update this schedule and cost data. This regular check-in will serve to remind project managers of budget and time restraints. If a subcontractor is handling the task, these meetings will include the primary subcontractor contact as well as appropriate staff.

Stringent Quality Assurance / Quality Control (QA/QC) measures are built into the project management philosophy of the RES team. RES will assume primary responsibility for individual project implementation and overall coordination with the University. **Wes Tweedy, RES' Operations Manager for Virginia, and QA/QC Manager** for this project, will provide task by task quality checks and ensure efficient coordination takes place between the project manager and the University. Wes will provide senior oversight for the contract as a whole to ensure efficient team coordination.

Once QA/QC measures are in place and the project manager is apprised of project goals and timelines, a master schedule and cost analysis will be prepared by the assigned project manager and sent to Wes for approval prior to project commencement. This will include the allocation of resources necessary to complete each project on time and within the defined budget.

As this is an on-call contract, we cannot give a specific timeframe or schedule until specific task orders arise. RES will, however, prepare for task assignments by reserving a reasonable amount of staff time and resources in its corporate schedule in case a University task were to arise. We will also check in with the University on a quarterly basis (at minimum)

¹ For the purposes of a qualitative evaluation of this Proposal, HGS and RES should be viewed as a single entity ("RES") in our experience. We are one company with a singular vision and proven track record of implementing the creative solutions sought by JMU.

to see if any projects are expected to be assigned to the contract within that quarter. We will utilize this information to plan accordingly around staff and equipment schedules within RES and its subcontractors.

RES will manage the contract primarily out of its Northern Virginia office in Warrenton. This location is roughly 98 miles, or 1.5 hours, from the University and is well within our service area. RES has multiple construction and stormwater crews based from this office, which is a regional construction hub location, and any / all RES equipment necessary for work at the University can be easily transported from this location. Please see **Attachment A** for a complete list of RES equipment.

Section 3. Qualifications

3.A. Firm Overview

RES is a national operating company focused on restoring a resilient earth for a modern world, project by project. As the nation's largest nature-based solutions company, RES supports the public and private sectors with durable, resilient infrastructure for communities through solutions for environmental mitigation, stormwater and water quality, and climate and flooding resilience. RES has a unique operating model for delivering ecological uplift, based on science-led design, full delivery, long-term stewardship, and guaranteed performance. From headwaters to coastal shores, RES designs, builds, and sustains sites that preserve the environmental balance, lifting impaired ecosystems into restored health and ultimately, self-sufficiency. These projects restore sensitive wetland, prairie, and species habitats as well as floodplains, streams, river valleys, and coastal and tidal systems. The result is nature-based systems that cleanse water, shelter wildlife, buffer storms, and sequester carbon from the atmosphere.

RES works closely and creatively with nonprofits, municipalities, developers, operators, landowners, and regulatory agencies to balance the needs of clients, communities, and resources. Our operating model is built around this approach. We employ teams covering the full project lifecycle, combining in-house analytics and technical expertise with implementational resources and capabilities.

We have helped clients successfully permit more than 3,900 projects, creating rich, high-functioning ecosystems as part of each permit. Our clients include local and state governments, large mining operators, energy production companies, energy transmission companies, Fortune 500 companies, departments of transportation, and other public-sector organizations. RES now employs 948 dedicated staff in 47 operational hubs across the country, including regional offices in Warrenton, Annandale, and Richmond, VA.

RES delivers customized solutions tailored to our clients' needs. RES' internal resources include environmental, health, safety, and security (EHS&S) staff, land acquisition specialists, wildlife biologists, Rosgen IV certified stream designers, professional wetland scientists, engineers, hydrologists, QA/QC oversight teams, field ecologists, regulatory project managers, analysts, certified foresters, arborists, landscape architects, construction managers, superintendents, and field crew members as well as supporting project controls, government affairs, public relations, financial, legal and analytical staff.

RES' experience includes:

- Design and construction of over 356 stormwater management facilities
- Reductions of over 524 tons of water quality nutrients
- Restoration, enhancement, and preservation of 77,899 acres of wetlands
- Restoration of over 690 miles of streams
- Currently conducting monitoring and maintenance (including invasive species management) for over 88,429 acres of mitigation and restoration habitat
- Successful close-out of over 117 mitigation sites



1,097,132

POUNDS WATER QUALITY NUTRIENTS REMOVED



28,140,473

TREES PLANTED



77,899

ACRES WETLANDS RESTORED



88,429

ACRES LAND CONSERVED & PROTECTED



690

MILES STREAMS RESTORED



20,401

ACRES SPECIAL-STATUS SPECIES HABITATS PROTECTED



431

MILES SHORELINE & TERRACES RESTORED



- Permitting and development of over 338 permittee-responsible mitigation projects
- Design, permitting, management, and development of 197 wetland, stream, species, and conservation banks
- Delivery of 20,000 acres of custom, turnkey mitigation solutions
- Planting of over 28,140,473 trees across all operating regions
- Facilitation of compensatory mitigation and nutrient offsets for over 3,980 federal and state permits
- Long-term protection and conservation of over 88,429 acres
- Restoration and protection of 20,700 acres of upland and prairie habitat
- Restoration of over 431 miles of shorelines, terraces, and levees

We draw on our dedicated, in-house resources and deep experience across all phases of ecological restoration projects in defining our project approach, which seeks to balance performance and cost in the manner that is most beneficial to our clients.

As a design-build firm, RES' specialized construction staff, operators, and equipment (\$24M worth) work with in-house ecologists, engineers, and inspectors to complete water resource projects of all types. This includes pond and lake management, stormwater management (SWM) facility maintenance and retrofits, stream and wetland restoration, and Low Impact Development (LID) installation. As mentioned previously, RES has assessed, maintained, or repaired hundreds of ponds throughout the Mid-Atlantic Region, restored over 690 miles of stream channel, created over 77,899 acres of wetlands, and installed or retrofitted over 356 stormwater facilities, all with in-house crews and equipment.

In recent years, RES has maintained over 600 commercial and residential wet ponds for optimal functionality. In addition, we have managed over 300 dry basins. Our SWM facility maintenance programs are customized in scope and timing to effectively address both functionality and aesthetic issues in Best Management Practice (BMP) facilities. We are dedicated to working with each individual BMP to enact a monitoring and maintenance program specialized to its needs.

RES clientele spans both the private and public sectors. While our private sector clients include national homebuilders, major utility providers, general contractors, homeowner associations, and developers, RES has also completed projects for the following public entities (not an exhaustive list):

County / Locality

- City of Harrisonburg, VA
- City of Newport News, VA
- City of Hampton, VA
- City of Chesapeake, VA
- City of Manassas, VA
- Chesterfield County, VA
- Fairfax County, VA
- Town of Warrenton, VA
- City of Richmond, VA
- Hanover County, VA
- Prince William County, VA
- Montgomery County, MD
- Baltimore County, MD
- Harford County, MD
- Howard County, MD
- St. Mary's County Department of Public Works and Transportation, MD
- Maryland Eastern Shore RC&D Council, MD
- Maryland National Capital Park and Planning Commission
- Washington Suburban Sanitary Commission

State

- Virginia Department of Transportation
- Virginia Department of Military Affairs
- Virginia Department of Conservation & Recreation
- Virginia Department of Game & Inland Fisheries
- Maryland State Highway Administration

Federal

- US Army – Ft. Eustis
- US Navy – Dahlgren Naval Base & Quantico Marine Base
- US Air Force
- US Fish and Wildlife Service
- US Army Corps of Engineers
- US Army – Fort Belvoir



Throughout our 26 years as the Mid-Atlantic's premier environmental service company, RES has held multiple on-call contracts including, but not limited to:

- Fairfax County, VA, MSMD (**see reference projects**)
- Fairfax County, VA, Maintenance Monitoring and Reporting for Stormwater Management Facilities. 2019 – Present (includes maintenance to over 1,500 dry ponds) (**see reference projects**).
- City of Hampton, VA, Stormwater Facilities Maintenance On-call. 2018 – Present
 - Currently being ridden by City of Chesapeake. 2019 – Present
 - City of Richmond rode to complete Haxall Canal dredging
- Fredericksburg District Stormwater Management Facility Maintenance Services, Virginia Department of Transportation. 2014 – 2019.
- Arlington County, VA, Inspections Maintenance and Reporting for Stormwater Management Facilities. 2014-2019
- Statewide Wetland & Stream Maintenance & Monitoring, Virginia Department of Transportation. 2014-2019. Up to \$1,000,000 per year. Statewide VA.
- Pond & Fountain Maintenance, City of Manassas, VA: 2014 – 2017. City of Manassas, VA.
- On-Call Design-Build Environmental Restoration Services, Harford County, MD Public Schools. 2014 – 2019.
- On-Call Maintenance, Repair, and Stabilization of Stormwater/Drainage Facilities, Harford County, MD. 2007-2016. \$500,000 Est. per year (No cap). Riders: City of Bel Air, MD.
- On-Call, Design-Build Environmental Restoration Contract, Baltimore County, MD Department of Environmental Protection & Sustainability. 2012 – 2017. \$5,000,000 over 5 Years. Riders: Harford County, MD Public Schools.
- On-Call Design-Build Environmental Restoration Contract, Baltimore County, MD Department of Public Works. 2014 – 2019. \$6,000,000 per year.
- On-Call Stormwater and Watershed Management Evaluation/Design/Build Services, Howard County, MD. 2012 – 2016 (Subcontractor to McCormick Taylor). \$4,000,000 Est. over 4 years (No Cap).
- Stormwater Management and Stream Restoration Construction Contract, Montgomery County, MD. 2009 – 2014. \$1,200,000 Est. per year (No cap). Riders: Arlington County, VA; City of Takoma Park, MD; MD National Capital Parks and Planning Commission; The Columbia Association; Washington Suburban Sanitary Commission.
- IDIQ Contract for Work in Environmentally Sensitive Areas of Sligo Creek Basin, Washington Suburban Sanitary Commission. 2012 – 2015. Up to \$18,000,000 over 3 years.
- IDIQ Contract for Sewer Main, Sewer House Connection and Sewer Manhole Repair, Replacement, and Rehabilitation in Environmentally Sensitive Areas within Little Falls and Rock Run Basins in Montgomery County, MD, Washington Suburban Sanitary Commission. 2013 – 2016. Up to \$7,500,000 over 3 years
- IDIQ Contract for Sewer Main, Sewer House Connection and Sewer Manhole Repair, Replacement, and Rehabilitation in Environmentally Sensitive Areas within the Lower Anacostia, Beaverdam, and Mattawoman Basins in Prince George's County, MD, Washington Suburban Sanitary Commission. 2013 – 2016. Up to \$11,250,000 over 3 years.

3.B. Expertise and Qualifications for this Contract

RES' stormwater capabilities span from SWM facility engineering and design, permitting, routine maintenance, repair, and full-scale retrofit.

3.B.i. Engineering

RES' watershed engineers possess specialized environmental training on top of a strong foundation in civil engineering. Their concentrated yet comprehensive focus on water resources enables RES engineers to provide all components of watershed and stormwater analysis, planning, and design. In addition to stream and wetland design, RES services related to erosion and sediment (E&S) control planning include but are not limited to master stormwater management plans, low impact development plans, post-construction stormwater BMP designs, stormwater conveyance, drainage procedures, access road grading, stream crossing design, water quality and quantity evaluations, wetland and stream mitigation design, and floodplain studies.



3.B.ii. Maintenance / Construction

In addition to RES' ability to provide stormwater compliance services such as design, permitting, and inspections, we set ourselves apart in our ability to perform all aspects of SWM maintenance and construction as well. Equipped with low-impact equipment and specialty-trained crews and operators, we are capable of a full range of SWM construction tasks, from small-scale maintenance of BMPs to extensive construction of new facilities. As a result, RES can offer comprehensive construction support for SWM tasks, or perform projects on a case-by-case frequency if desired. Specific services performed by RES include BMP facility maintenance including principle spillway replacements, embankment grading, hydrologic dredging, outfall repair, and pipe slip-lining; LID including raingarden, sand filter, and bioretention unit construction; shoreline stabilization; and construction of new SWM facilities.



3.C. Firm Experience

The following section provides an overview of select project demonstrating our experience in stormwater structure maintenance, as well as our experience working with educational entities.

Fairfax County Storm Sewer and Drainage Maintenance Services

Fairfax County, VA | Fairfax County Department of Public Works & Environmental Services



Awarded in June 2018, RES has since been working with Fairfax County MSMD to tackle over 63 difficult projects. The projects on this contract vary from pipe installation, pond rehabilitation/retrofits, and concrete channel repair asset protection, but with a primary focus on stream restoration. These projects often take place on county-owned easements that are extremely difficult to access, or on park property. Limitations on access difficulty include proximity to homes, extremely steep drop-offs, and utility (aerial and underground) conflicts, and the need for daily traffic control and instream access. With how developed Fairfax County is, all the bodies of water we are tasked to work in are extremely flashy, making it critical that the work is completed correctly the first time. Our scope includes clearing, access installation and removal, stream/pond work, planting, and restoration of the property. Select projects are described below.

Malton Court

RES removed and replaced 88 LF of 18" RCP pipe and sidewalk. This included a pedestrian detour and traffic control while the work was being done. Concrete collars were installed where new infrastructure tied into existing to ensure a watertight connection. Stabilization of seed and mulch were applied after the pipe and sidewalk work were completed.

I-95 Landfill

RES performed pond dredging on 8 different ponds throughout Fairfax County's I-95 Landfill Complex totaling over 15,000 CY of sediment. This included dewatering of the ponds, clearing vegetation, and installing a new CMP riser. The majority of the work required use of a long-stick excavator.

Brevity Drive Outfall and Stream Restoration

This project included the restoration of a County-maintained outfall channel utilizing NCD design techniques to help ensure the long-term stability of the stream channel. The project continued from the outfall for approximately 492LF to restore a heavily eroded main channel along an unnamed tributary of Piney Run. Throughout the

AT A GLANCE.

Client Contact

Jack Merritt | 703.877.2871
jack.merritt@fairfaxcounty.gov

Contract Value

\$8.5 Million to date

Contract Period

June 2018 - Present

Project Type

Stream Restoration
Utility Protection in ESAs

Project Highlights

- To date, RES has restored over 6,000LF of stream and outfall channels utilizing Natural Channel Design
- Projects under this contract involved coordination with park authorities and private landowners



Abington Court – Active Construction



Abington Court – Post Construction



project RES placed 900 tons of imbricated stone, 471 tons of reinforced bed mix, and planted native species including 105 pounds of wetland seed mix and 75 one-gallon trees and shrubs.

Abington Court Outfall and Stream Restoration

Utilizing NCD techniques, Abington Court restored 288LF of an outfall channel containing an unnamed tributary of Rabbit Branch. Site conditions featured raw, actively eroding stream banks with heights ranging from around three to eight feet due to lack of protection for stream flows. RES placed 230 tons of imbricated stone, 240 tons of reinforced bed mix, 76LF of instream habitat logs, and planted over 650 one-gallon trees and shrubs to provide stability and ecological uplift to the stream. This project took place on park authority and private property, with extremely tight access in and out of the site.



Abington Court – Active Construction

Glenbrook Road Outfall and Stream Restoration

This project included 274LF of stream and outfall restoration project on an unnamed tributary of Accotink Creek. Prior conditions reflected excessive erosion and incised streambanks ranging between three and seven feet in height, and lack of adequate bed material/instability at the outfall area. The project involved the placement of 475 tons of imbricated stone, 102 tons of reinforced bed mix, resetting a pipe and end wall, and livestake planting.



Miller Heights Road

Miller Heights Road Phase 1

Miller Heights was an outfall restoration of approximately 400 LF. This project was located on Fairfax Park Authority land, a highly used pedestrian trail had to have a detour put in place in order to gain access to the stream. This project became a large success due to great communication with an active community and coordination with Fairfax County. An extensive replanting of the project site occurred once construction was completed. The trail that was impacted was also restored by RES.



Chesterbrook Road

Chesterbrook Road

Chesterbrook Road was an asset protection project for Fairfax County Waste Water. On an extremely flashy stream system, a sanitary line encasement was exposed. RES set up a clean water pump around utilizing a 12" pump to draw the water down then construct a double cross vane to control the water once it passed over the sanitary line to prevent future damage. Due to the flashy system, large 4'x4'x4' imbricated stone had to be used to construct the crossvane. The concrete encasement was also modified to direct water over the center of the crossvane.



Fern Lane Bank

Fern Lane Bank Stabilization

Fern Lane Bank Stabilization was a project built to combat erosion that was occurring on two homes that would eventually cause foundation issues if not stopped. RES constructed a 150 LF 10' tall wall out of large imbricated stone. There were strict geotechnical requirements and tight rock contact tolerances that had to be met to ensure the long-term stability of the wall. Fall Protection was implemented to mitigate risk of the an accident due to the height of the wall and slope. Access was challenging due to the proximity of two homes and having to build the wall from the top of the slope rather than in the channel. The yards were fully restored once construction was completed.



Monitoring, Maintenance and Reporting for Fairfax County Stormwater Facilities

Fairfax County Department of Public Works & Environmental Services | Fairfax County, VA



Vine Street. Post-Construction

RES held a contract with Fairfax County, VA to ensure county-owned Stormwater Management (SWM) facilities are performing as designed to reduce the impacts of stormwater runoff on local streams, the Potomac River, and the Chesapeake Bay. The overall objective of the contract is to ensure the county stays in compliance with the Virginia Stormwater Management Program (VSMP).

Specific tasks provided by RES include maintaining and repairing over 1,500 dry ponds throughout Fairfax County. Each facility has an individual maintenance plan specifying the required frequency of visits and type of maintenance. Typical maintenance for each dry pond involves mowing the pond and clearing out the control structure and concrete channel. Larger maintenance tasks, such as dredging ponds, beaver dam removal, tree removal, and concrete work, are also covered under this contract.

RES developed a web-based application using ArcGIS Online to track pond maintenance and reporting. This application stores the county-approved maintenance plans and RES-created maintenance reports, which allows county personnel to log in and see the work performed for each facility.

OTHER RELATED FAIRFAX MMR PROJECTS

Fair Ridge Pond, Completed May 2020

Pond dredging project that included the removal of 850 CY of sediment and a concrete apron pour. To complete the work, RES dewatered the pond, poured a new concrete apron, and stabilized the bottom of the pond and all other surrounding disturbed areas through seeding and rip-rap placement.

Americana Drive, Completed July 2020

RES was contracted to perform a 150 CY sediment excavation and channel restoration. Tasks included clearing the stormwater channel by removing sediment and debris that had built up over time in front of the trash rack.

Walnut Branch, Completed September 2020

Purchase order to remove 150 CY of sediment and perform micro-pool restoration. Tasks completed by RES: pump down entire facility, remove sediment blockage, parge cracks in concrete riser structure and outfall wing walls, and stabilize disturbed areas.

AT A GLANCE.

Client Contact

Christopher Meoli
703.877.2863
Christopher.meoli@fairfaxcounty.gov

Contract Value

\$5,000,000

Contract Period

2019 - 2023

Project Type

Stormwater Management
Pond Dredging

Project Highlights

- Maintenance of 1500+ SWM Facilities
- Web-based application developed internally to track inventory of ponds



Vine Street. Pre-Construction



Vine Street, Completed January 2021.

Under this project the RES team pumped down and dewatered the facility, removed blockages at the riser trash rack, dredged ~1,800 cubic yards of material to increase storage volume, constructed a new weir for the forebay, installation of 480 tons of rip rap, tree removal, and facility stabilization. This site was a larger stormwater pond maintenance project for Fairfax and required the collaboration between RES staff and the County to assess and define the maintenance needs ahead of the project work and consistent coordination and collaboration throughout the construction and stabilization phase. The overall outcome of this project reestablished the storage capacity and functionality of this stormwater pond facility for Fairfax County.

Monarch Lane, Completed February 2021.

At this enhanced, extended detention dry pond stormwater facility, RES completed a 600 CY sediment dredge project. Berm failure led to the facility sending water straight from the stream to riser structure and bypassing the channel throughout the facility. RES rebuilt the berm with a bentomat cap and armored it with rip rap. Channels were redefined, rip-rap was installed, and the entire facility was stabilized, restoring it back to the original design specifications.

Old Keene Mill Road, Completed December 2021

RES pumped down and dewatered the facility and removed 1000 CY of sediment from the stormwater pond. RES also performed a rip-rap channel refreshment and stabilization of all disturbed project areas.



Fair Ridge Pond, Post Construction



Monarch Lane, Post Construction



VDOT Richmond District BMPs

Virginia Department of Transportation | Richmond, Virginia



RES prepared a Stormwater Master Plan for a portion of the VDOT Richmond District Complex, which included identification of drainage areas, potential locations for new stormwater treatment BMPs and selection of appropriate, and innovative BMPs for each location. Based on the load reduction and costs for construction of each proposed BMP, five were selected for design and construction.

- **Bioswale** - A bioswale with under drain replaced an eroding ditch, providing water quality treatment and reducing erosion. A trench drain was also installed to capture more drainage from an adjacent storage area. The BMP highlights use of three native grasses.
- **Floating Wetlands** - To improve the water quality treatment of an existing pond, RES installed 9 floating wetlands to take up nutrients. The installation also included an air diffuser to prevent stratification can cause phosphorus release from bottom sediments.
- **Forebay** - The existing pond was also retrofitted with a forebay to capture inflowing sediment. The forebay was planted with emergent wetland vegetation and the outlet weir was heavily vegetated with wetland plants instead of the traditional stone stabilization.
- **Bioretention Basin** - To treat runoff from a 5-acre drainage area, RES designed and installed a 1,200 sf bioretention basin. Due to the large drainage area, a splitter box was installed on the inflow pipe to bypass excessive storm flow. The bioretention basin was build without an underdrain system due to very high infiltration rates in the soils below the basin. The basin was planted with five species of native shrub species tolerant of temporary inundation. To protect the bioretention soils from sediment in the stormwater runoff, the inflow was routed through a forebay.
- **Grass Swale** - An area of undeveloped land had drained through an erosional gully, delivering sediment directly to Timsbury Creek floodplain. The flow was re-directed through a grass swale for treatment and then through a stone-lined channel to Timsbury Creek, eliminating sediment in both the runoff and from the erosional gully, which was filled and stabilized.

AT A GLANCE.

Client Contact

Joseph Parfitt, TMDL Program Manager | 804.339.4365
Joseph.Parfitt@VDOT.Virginia.gov

Contract Value

\$508,096

Contract Period

March 2021 – August 2021

Project Highlights

- Prepared a Stormwater Master Plan for the District Complex
- Constructed 5 BMPs under RES' TMDL contract with VDOT: bioswale, bioretention facility, sediment forebay, floating wetlands and grass swale





Chinn Park Stream Restoration and Stormwater BMP

Prince William County | Prince William County, VA



Reach 1, post-construction

The Chinn Park Stream Restoration project implements Natural Channel Design (NCD) principles to restore stream stability, ecological function, and water quality. The restoration approach works with existing geomorphic and hydrologic processes to establish a dynamically stable channel system under current watershed hydrology and sediment conditions. The project is designed to achieve measurable nutrient reductions while providing functional uplift to degraded stream reaches, including improved habitat, enhanced floodplain connectivity, and increased resilience to storm events.

In addition to the stream restoration, the project includes the retrofit and enhancement of an existing extended detention stormwater Best Management Practice (BMP) facility. The retrofit incorporates the installation of an Opti smart control system to improve both water quality treatment and water quantity management.



Reach 2, pre-construction

The Opti system integrates real-time sensors, weather forecasting data, and a remotely operated motorized valve to actively manage pond water levels. Unlike conventional passive outlet structures, the system can adjust discharge timing and rates based on forecasted rainfall and site conditions. By lowering pond levels in advance of storm events, the system creates additional storage capacity to attenuate peak flows. Following storm events, stored water is released in a controlled manner to reduce downstream flooding risks, enhance nutrient removal performance, and optimize overall stormwater management.

AT A GLANCE.

Client Contact

Tom Dombrowski, Environmental Engineer
703.792.5534 |
TDombrowski@pwcgov.org

Contract Value

\$2,114,277.83

Project Size

2,700 LF

Contract Period

July 2025 – April 2026

Project Type

Stream Restoration and Stormwater BMP

Project Highlights

- RES is providing all compliance inspections during construction
- Opti system installed in Stormwater structure
- Project incorporates landscaping with timber steps made from salvaged logs at reach 1

Key Staff

- Valerie Green, PM
- Christian Sacra, APM;
- Tyler Markowitz, Superintendent;
- Benjamin Rodriguez, Lead Superintendent;
- Bree Stephens, Design Team;
- Laura Sokol, Design Team



Prince William County Unit Price Contract

Prince William County, Virginia | Prince William County Public Works

Prince William County Public Works executed the rider clause for an IDIQ sewer facility protection contract RES holds in Prince George’s County and Montgomery County, Maryland and are using it for stream restoration and stormwater facility retrofits, using unit prices, in Prince William County, Virginia.

To date, RES has priced and constructed nine projects—seven stream restoration projects and two pond retrofits. Projects under this rider clause include:

Cow Branch

A 1,000LF urban stream restoration. The degraded channel was 50 feet wide with vertical banks that were up to 15 feet tall and a 7-foot tall waterfall was present. Construction tasks completed by RES include mobilizing, clearing, earthwork, woody debris placement, bank stabilization, planting, and stakeouts. RES installed 460LF of imbricated stone armoring as a part of the bank stabilization, as well as a large plunge pool, 1,500LF of stone toe protection, and 475LF of riffle grade controls. Over 500LF of the stream was relocated while the remaining 500 feet was restored along the original channel location.

Hylbrook

A 1,180LF stream restoration consisting of mobilizing, clearing, earthwork, bank stabilization, planting, and stakeouts. RES installed multiple in-stream structures including two (2) rock vanes, one (1) cross vane, one (1) cross vane, and nine (9) log vanes. RES graded and stabilized 2,360LF. As restoration was completed, RES planted 540 live stakes along the banks.

The project site was adjacent to a recreational athletic field park owned by Prince William County, making safety a top priority for RES as fields were open during construction.

Occoquan Reach 5

A 2,450LF stream restoration project consisting of mobilizing, clearing, earthwork, bank stabilization, planting, and stakeouts. RES installed multiple in-stream structures including two (2) root wads, eleven (11) cross vanes, fifteen (15) step pools, and fourteen (14) log vanes. A unique challenge to this site was the existence of natural bedrock. RES crews were able to construct the restoration around the bedrock as well as tie in specific features. As restoration was completed, RES planted 504 live stakes along the banks.

Of note, this project was completed three months ahead of schedule.

Dewey’s Creek Phase 1

A 1,350LF stream restoration consisting of 1,350LF bank grading and stabilization, and planting of 1,850 livestakes.

Pond 489

Tasks included mobilizing, clearing, riser installment, mucking, and stabilization. RES created micro-pools where a new 25-ton riser structure was installed. To perform this work, RES utilized a crane subcontractor to deliver, place, and set the structure. The project location was within a Dominion Virginia Power transmission line easement, so RES staff worked closely with Dominion during all segments of construction.

Dewey’s Creek Phase 2

A 4,870LF urban stream restoration utilizing riffles, rock vanes, log vanes, rock steps, and wood toe with coir-wrapped soil lifts. The project was completed in Fall of 2020.

AT A GLANCE.

Client Contact

Tom Dombrowski | 703.792.5534
TDombrowski@pwcgov.org

Contract Value

\$12,550,479, to date

Contract Period

2016-Present

Project Type

Stream Restoration

Project Highlights

- To date, a total of 12,115LF of streams have been restored



Occoquan Reach 5, post-construction



3.D. Key Project Staff

The RES Team has significant experience in the design, installation, maintenance, and inspection of various SWM facilities. We intend to utilize the following staff to manage this contract with the University and conduct key elements of the work associated with campus need for Stormwater Structure Maintenance. If selected, these staff members will be available to conduct the work associated with the project in a timely and professional manner. Resumes are provided for each key staff member.

Name	Title	Project Role
Michael Peny, RLA	Region Operations Director	Project Oversight
Wes Tweedy, EIT	Operations Manager	QA/QC
Valerie Green	Project Manager	Project Manager
Christian Sacra	Assistant Project Manager	Assistant Project Manager
Kyra Arnold, PE	Engineer III	Project Engineer

Michael Peny, RLA

Region Operations Director

As Regional Operations Director, Michael manages and provides senior construction implementation oversight on a wide range of projects including wetland, stream, and shoreline restoration to conventional and innovative stormwater management (SWM) facilities, including retrofit of wet or dry retention ponds and installation of Low Impact Development (LID) features such as raingardens, bio-swales, sand filters, and wetland enhanced facilities. Michael is responsible for managing project personnel, allocating resources to various projects, and ensuring project schedules and budgets are met. To date, Michael has led his team to complete over 20 miles of stream restoration, 400 acres of wetland creation, and retrofit of over 350 SWM facilities.

SELECT WORK EXPERIENCE

Fairfax County Storm Sewer and Drainage Maintenance Services; Fairfax County Department of Public Works & Environmental Services; Fairfax County, VA

Serves as the Regional Operations Director on the Fairfax County MSMD contract involving projects that vary from pipe installation, pond rehabilitation/retrofits, and concrete channel repair asset protection, but with a primary focus on stream restoration.

Monitoring, Maintenance, and Reporting for Fairfax County Stormwater Facilities; Fairfax County Department of Public Works & Environmental Services; Fairfax County, VA |

Serves as the Regional Operations Director for the Fairfax County contract which ensures county-owned Stormwater Management (SWM) facilities are performing as designed to reduce the impacts of stormwater runoff on local streams, the Potomac River, and the Chesapeake Bay. The overall objective of the contract is to ensure the county stays in compliance with the Virginia Stormwater Management Program (VSMP). Specific tasks provided by RES include maintaining and repairing over 1,500 dry ponds throughout Fairfax County.

Prince William County Unit Price On-Call, Prince William County, VA

Served as Regional Operations Director for an on-call stream restoration and stormwater facility retrofit contract. Prince William County Public Works executed the rider clause for an IDIQ sewer facility protection contract RES holds in Prince George’s County and Montgomery County. To date, RES has priced and constructed nine projects—seven stream restoration projects and two pond retrofits. Projects under this rider clause include:

AT A GLANCE.

Contact

mpeny@res.us | 703.393.4844

Years of Experience

31 Years

Education

- B.L.A., Landscape Architecture

Registered Landscape Architect

- MD, #3211



Package P SWM Facilities, Metropolitan Washington Airports Authority, Fairfax County, VA and Loudoun County, VA

Region Operations Director on the Package P SWM Facilities design-build project for MWA. This project was in conjunction with the Silver Line extension, which will extend the Metro past Dulles Airport to the west. In total, RES built 5 constructed wetlands, 3 bioretention ponds, 3 dry swales, and 2 filtering practices along an 11-mile stretch of the Dulles Toll Road and Greenway. After finishing the design work, RES started work on each site as these were handed off from the contractor finishing the new rail line. Specific tasks performed by RES included site mobilization, clearing and grubbing, excavation and grading, stabilization, and the re-establishment of native trees and shrubs.

Select VDOT Construction / Implementation Oversight Contracts

- Statewide MS4/TMDL Implementation and Related Activities On-Call Contract | VDOT (2016-present), Statewide
- Wetland and Stream Monitoring and Maintenance Open-End (2014-2019), Statewide
- Wetland and Stream Monitoring and Maintenance Open-End (2011-2014), Statewide
- Wetland and Stream Monitoring and Maintenance Open-End (2008-2011), Statewide
- Wetland and Stream Monitoring and Maintenance Open-End (2004-2008), Statewide
- I-66 13.8-Acre Wetland Permittee Responsible Mitigation, (2018-ongoing), Fauquier County, VA
- Six District Contracts (Fredericksburg, Hampton Roads, Salem, Lynchburg, and Peninsula / Interstate, Chesterfield residency Districts) for Stormwater Management Facility Maintenance (2014-2019)

VDOT William Benjamin Nottaway River Wetland Mitigation Bank. Virginia Department of Transportation, Sussex County, VA

Managed all aspects of the construction phase of this \$1.2 M, 26-acre wetland creation project, including estimating, contract administration, onsite engineering, and project coordination between the owner, project engineer, contractor, its sub-contractors, and suppliers. Directed the removal and disposal of 31,000 cubic yards of dirt from the site. Oversaw field surveys, clearing and grubbing, erosion & sediment control procedures, environmentally-sensitive area protection, earthwork operations, laser grading, bank repair and stabilization, hydraulic control installation, the application of geosynthetic materials, seed bed preparation, landscaping, and planting operations. Provided Quality Assurance/Quality Control for all maintenance and construction services contracted.

James Long Stream Restoration. Prince William County Dept. of Parks, Prince William County, VA

Provided senior oversight for 7,215 LF of stream restoration on public park land in Haymarket, VA. Managed staff operations, oversaw implementation of major tasks, and ensured budget and schedule constraints were met. Oversaw installation of Offset Cross Vanes (55), Log Vane (44), Plunge Pool (1), Cross Vane (10), Constructed Riffle (3), and several rootwads. As this project was in a public park, ensured adequate safety and educational outreach efforts were completed for the community.

IDIQ Contracts (3) for Environmental Restoration in Sligo Creek Basin, Little Falls/Rock Run Basins, and Lower Anacostia/Beaverdam/Mattawoman Basins, Washington Suburban Sanitary Commission (WSSC), Montgomery and Prince George's Counties, MD

Provides senior oversight for three (3) IDIQ contracts to provide stream restoration construction and infrastructure protection services for WSSC. Project tasks include hard armoring of infrastructure pipes and installation of in-stream cross vanes, step pools, slope toe protection, and imbricated riprap walls. Combined contract values total over \$36M.



Wesley Tweedy, EIT

Regional Operations Manager

Wesley Tweedy serves as RES' Regional Operations Manager. In this role, he oversees all ecological construction projects in the Mid-Atlantic. Projects include stream restoration, wetland construction, shoreline stabilization, and bioretention facility construction for public and private sector clients. His specific responsibilities include but are not limited to overseeing Project Managers and Construction Administrators; field crew oversight; budget and schedule management; equipment and resource allocation; and mobilization prioritization and coordination.

Prior to serving in the role of Virginia Operations Manager, Wesley served as a Project Manager. In this role his responsibilities included but were not limited to Contract and Subcontract preparation and review; coordination with subcontractors, vendors, and clients; reviewing job costs to ensure quantities and resources are claimed correctly; and invoice management, and change order estimation and preparation.

Prior to serving as a project manager, Wesley acted as an Environmental Specialist for RES. In this role, he was responsible for erosion and sediment control inspections and other stormwater compliance tasks associated with the Virginia Stormwater Management Program (VSMP). Of note, he assisted in the management of an erosion and sediment control maintenance crew on a 65-mile-long transmission line owned by Dominion Power.

SELECT WORK EXPERIENCE

Fairfax County Storm Sewer and Drainage Maintenance Services; Fairfax County Department of Public Works & Environmental Services; Fairfax County, VA

Serves as the Regional Operations Manager on the Fairfax County MSMD contract involving projects that vary from pipe installation, pond rehabilitation/retrofits, and concrete channel repair asset protection, but with a primary focus on stream restoration.

Monitoring, Maintenance, and Reporting for Fairfax County Stormwater Facilities; Fairfax County Department of Public Works & Environmental Services; Fairfax County, VA

Serves as the Regional Operations Manager for the Fairfax County contract which ensures county-owned Stormwater Management (SWM) facilities are performing as designed to reduce the impacts of stormwater runoff on local streams, the Potomac River, and the Chesapeake Bay. The overall objective of the contract is to ensure the county stays in compliance with the Virginia Stormwater Management Program (VSMP). Specific tasks provided by RES include maintaining and repairing over 1,500 dry ponds throughout Fairfax County.

Statewide MS4 / TMDL Implementation & Related Activities On-Call Contract (2017-2021), Pikes Branch Restoration, Virginia Department of Transportation, Fairfax County, VA

Served as the Regional Operations Manager for the restoration of approximately 4,000LF of stream channel to reduce TSS, TP, and TN loads. The project restored stream bank stability in a deeply incised, highly urban stream channel with stream banks often more than 10 feet tall. Services provided by RES include BEHI/NBS field data collection and pollutant load calculations, site survey, hydrology and hydraulic studies, geomorphic stream assessments, stream restoration design, fish passage assessment, permitting, SWPPP and E/S inspections, and construction.

Statewide MS4 / TMDL Implementation & Related Activities On-Call Contract (2017-2021), Culpeper BMP, Culpeper, VA

Served as the Regional Operations Manager for the retrofit design of a substandard dry pond BMP, including grading to increase pool volume, new riser and outfall pipe, and screening plants around the pool. RES completed the survey, geotechnical studies, design, and construction in one year. The design minimized impacts on existing wetlands and reduced costs by using excavated materials to raise dam height, avoiding haul-off costs.

AT A GLANCE.

Email

wtweedy@res.us | 540.905.4513

Years of Experience

22 years

Education

- BS, Civil Engineering

Certificates | Licenses

- Registered Land Disturber Certification (RLD), VA Department of Conservation and Recreation, Certification # RLD06839
- VDOT Intermediate Work Zone Traffic Control Training and Flagger Certification
- VDOT Erosion & Sediment Control Contractor Certification
- CPR/ First Aid Certification
- Confined Space Certification
- General Mineral Miner Certification #9022604
- OSHA 30 Hour Construction Safety & Health Certification #600055593
- Engineer in Training (EIT) Certification



American Water 3,12, &13, American Water, Ft. Belvoir, VA

Served as the Regional Operations Manager for the design build of a 1,900 linear feet of stream restoration and utility infrastructure rehabilitation. The project rehabilitated a perennial stream where erosion was threatening key waste water infrastructure. The project included rehabilitation of three active sewer lines as well as abating erosion. The project will generate TMDL credits for the installation.

Lake Hallowell Sediment Removal, Montgomery County Department of Environmental Protection, Montgomery County, MD

Served as the Regional Operations Manager for the removal of approximately 11,000 CY of accumulated sediment from the southern portion of Lake Hallowell and the replacement of the principal spillway valve located in the north portion of the lake. The sediment was dewatered on-site and transported off-site to an approved disposal facility.

Washington Golf and Country Club; Arlington County; Arlington County, VA

Serves as the Regional Operations Manager for the full delivery stream restoration project which has delivered Total Maximum Daily Load (TMDL) credits to Arlington County, Virginia for their MS4 compliance. The delivery of MS4 TMDL credits involved collaboration with a land partner, Washington Golf and Country Club (WGCC), to secure an easement for the stream restoration work and monitoring/maintenance grant of access for ten years following completion of construction. In total, 2,210 LF of stream was restored and there was a reduction of 541 pounds of phosphorous, 1,506 pounds of nitrogen, and 496 tons of suspended solids.

Powells Creek Phase I Stream Restoration; Prince William County Environmental Services Division; Prince William County, VA

Served as the Regional Operations Manager for the restoration of roughly 3,600 LF of Powells Creek and minor tributaries that wind between two large housing communities and run adjacent to a golf course. Restoration was achieved by stabilizing an erosive system and reconnecting the stream to the floodplain. The restoration included the installation of 20 wood toe structures using over 200 logs, 15 riffles using roughly 16 CY of riffle bed mix, 788 CY of Class 2 rip rap, and 350 CY of imbricated rip rap for rock sills and cascade structures.

Statewide MS4/TMDL Implementation and Related Activities On-Call Contract | VDOT, Statewide VA

Wesley serves on the RES construction team as Operations Manager for a five-year, open-end contract to provide technical services for the development and implementation of projects to support VDOT's MS4 Program. Wesley managed the following individual projects in addition to his programmatic construction operations oversight responsibilities:

- Pikes Branch Restoration: Restoration of approximately 4,500 LF of urban stream channel. Services provided include oversight and management of construction phases of the project. Design included addressing condition and repair of 21 stormwater outfalls. Currently under implementation through 2019. RES is providing weekly coordination between design staff and construction crews.
- Wancopin Creek Stream Restoration: Turnkey stream restoration project of approximately 15,000 LF of restoration on significantly degraded reaches, and overall almost 7 miles of stream will be enhanced or restored. All land acquisition, design, permitting, construction, monitoring and maintenance work has or will be performed by RES.
- Lake Ridge Restoration: Restoration of approximately 700 LF of stream channel. Implementation was completed in 2019. Currently under monitoring.

Wetland and Stream Monitoring and Maintenance Open-End (2014-2019) | VDOT, Statewide VA

Construction Operations Manager for corrective action plan implementation and remedial construction for VDOT's existing stream and wetland project-specific mitigation sites. Contract was a \$3M, open-end contract. Wesley's role includes budget oversight, construction staff allocation, equipment and crew resource management, technical problem-solving expertise. Example individual projects completed with Wesley in an operational capacity include:

- Rockfish River Phases I&II Corrective Action Design and Implementation, Nelson County, VA
- I-85 Stream Restoration, South Hill, VA



Valerie Green

Project Manager

Valerie Green came to RES with extensive project management experience with knowledge of VDOT policies and regulations related to construction. She provides responsive management oversight and administration throughout all phases of the construction project and maintenance projects ensuring the successful delivery of projects on time, on budget and with high quality.

SELECT WORK EXPERIENCE

Package P SWM Facilities, Metropolitan Washington Airports Authority, Sterling, VA

Served as project manager for the design-build project. In total, RES constructed 14 Storm Water Management facilities consisting of six wetlands, three bioretentions, three dry swales, and two filtering practices.

Powells Creek Phase I Stream Restoration; Prince William County Environmental Services Division; Prince William County, VA

Served as project manager for the restoration of roughly 3,600 LF of Powells Creek and minor tributaries that wind between two large housing communities and run adjacent to a golf course. Restoration was achieved by stabilizing an erosive system and reconnecting the stream to the floodplain. The restoration included the installation of 20 wood toe structures using over 200 logs, 15 riffles using roughly 16 CY of riffle bed mix, 788 CY of Class 2 rip rap, and 350 CY of imbricated rip rap for rock sills and cascade structures. Specific responsibilities included managing fieldwork, coordinating all materials, RLD reports, meeting with Prince William County for onsite meetings or issues, and calling in & updating Miss Utility tickets.

Pipe Repair, Montclair County, VA

Manage field work, coordinate materials, meet with Golf Course owners if there are issues or concerns

PREVIOUS WORK EXPERIENCE

Jacobs Engineering, Office Engineer (2018-2019)

Responsibilities included budget management, ensuring all work conducted was by standards, specifications, and special provisions. Analyze correct and approve contractor's estimates. Inspections and testing procedures as well as acceptance procedures.

VDOT Nova District, Construction Manager (2017-2018)

Responsibilities included reviewing and interpreting plans, specifications, and contract documents during the design development phase and construction phase for proactive issues resolutions and claim avoidance.

VDOT, Senior Inspector (2014-2017)

Responsibilities included lead inspector, manage multiple inspections at a time, staff projects accordingly, performing E&S inspections daily on project sites, and complete C-107 by DEQ requirements.

VDOT Nova District, Inspector (2001-2011)

Responsibilities included ensuring all personnel was in approved safety attire, properly certified before setting up the work zone, and completing environmental inspections daily.

AT A GLANCE.

Contact

vgreen@res.us | 703.895.2036

Years of Experience

20+ years

Certificates | Licenses

- Pavement Markings
- Intermediate Work Zone Traffic Control
- Guardrail(Grit)
- Asphalt Field Level I & II
- Nuclear Safety
- Soils & Aggregate Field Compaction
- Deq-Esc Inspector
- ACI/HCC Field
- Concrete Field
- Slurry Surfacing & Surface Treatment
- CPR/First Aid W/Bloodborne Pathogens
- OSHA Safety Training (30 HR)
- Flagger



Christian Sacra

Assistant Project Manager

With a background in Environmental Science, Christian has worked for nearly a decade in both agricultural and commercial settings. Now, as an Assistant Project Manager in environmental construction, Christian has worked with Fairfax Water, Fairfax Department of Public Works, Prince William County, Dominion Energy, and American Water to implement stream and outfall restoration projects all over the northern Virginia area. As a part of these projects, Christian has been trained in and is expected to follow VA Responsible Land Disturbance (VA RLD) practices and site safety practices.

SELECT WORK EXPERIENCE

American Water Stream 2-4-6 Restoration, PM, American Water, Fort Belvoir, VA

This project focused on the repair and improvement of three separate stormwater channels totaling 1,350LF. Implementation required E&S controls, tree protection, anti-compaction road, channel armoring, and riparian planting. Responsibilities include material submittals, material orders, quantity tracking, project accrual tracking, vendor invoice processing, client invoice creation, crew and equipment mobilization scheduling, and subcontractor contracting. Responsibilities also entailed setting up training for American Water’s site safety standards for every employee involved, as well as verified check-ins for every employee and subcontractor accessing the site. Upon completing stream work, a 3-year invasive management and stream monitoring program continues issuing yearly reports.

Chinn Park Stream Restoration, Prince William County, APM, Woodbridge, VA

This project focused on the repair and improvement of a 2,563-foot stormwater channel. Implementation required E&S controls, tree protection, anti-compaction road, channel armoring, riparian planting, and sod planting. Responsibilities included material submittals, material orders, quantity tracking, project accrual tracking, vendor invoice processing, client invoice creation, crew and equipment mobilization scheduling, and subcontractor contracting.

Wilton Knoll Ct Outfall, Fairfax County Stormwater, APM, Alexandria, VA

This project focused on the repair and improvement of a 203-foot stormwater channel. Implementation required E&S controls, tree protection, anti-compaction road, channel armoring, riparian planting, and sod planting. Responsibilities included material submittals, material orders, quantity tracking, project accrual tracking, vendor invoice processing, client invoice creation, crew and equipment mobilization scheduling, and subcontractor contracting.

William Kirk Outfall, Fairfax County Stormwater, APM, Alexandria, VA

This project focused on the repair and improvement of a 62-foot stormwater channel. Implementation required E&S controls, tree protection, anti-compaction road, channel armoring, riparian planting, and sod planting. Responsibilities included material submittals, material orders, quantity tracking, project accrual tracking, vendor invoice processing, client invoice creation, crew and equipment mobilization scheduling, and subcontractor contracting.

Upper Wynnewood Outfall, Fairfax County Stormwater, APM, Herndon, VA

This project focused on the repair and improvement of a 123-foot stormwater channel. Implementation required E&S controls, tree protection, anti-compaction road, channel armoring, riparian planting, and sod planting. Responsibilities included material submittals, material orders, quantity tracking, project accrual tracking, vendor invoice processing, client invoice creation, crew and equipment mobilization scheduling, and subcontractor contracting.

Mount Sunapee Outfall, Fairfax County Stormwater, APM, Vienna, VA

This project focused on the repair and improvement of a 1,000-foot stormwater channel. Implementation required E&S controls, tree protection, anti-compaction road, channel armoring, riparian planting, and sod planting. Responsibilities included material submittals, material orders, quantity tracking, project accrual tracking, vendor invoice processing, client invoice creation, crew and equipment mobilization scheduling, and subcontractor contracting.

AT A GLANCE.

Contact

Csacra@res.us | 703-853-3775

Years of Experience

8 Years

Education

- BS, Environmental Science, University of St. Thomas, 2018

Additional Information

- Virginia RLD
- OSHA 30
- CPR/First Aid training
- Flagger training



Kyra Arnold

Engineer IV

As Engineer IV with RES, Kyra Arnold is experienced in civil engineering and land development with an emphasis in stormwater management including hydrologic and hydraulic design and analysis. Her primary responsibilities include preparing environmental impact, restoration, and grading plans. Kyra recently completed a wetland restoration plan in Somerset County, Maryland. Additional responsibilities include stormwater hydraulic calculations and modeling, utility routing, erosion and sediment control plan development, and stormwater management design plan development including BMP selection and design. In these engineering applications, Kyra has used HEC-1, HEC-HMS, TR-20, TR-55, HEC-RAS, Pondpack, and is trained in StormCAD. She is also experienced in the design and preparation of residential and commercial site plans in Northern Virginia, including site grading, utility design, road design, and erosion and sediment control. Kyra has been involved with site development projects located in Prince William, Fairfax, Stafford, King George, Spotsylvania, Fauquier, and Loudoun Counties.

AT A GLANCE.

Contact

karnold@res.us | 703.220.0865

Years of Experience

35 years

Education

- BS., Civil Engineering

Certificates | Licenses

Professional Engineer VA, WV, MD

SELECT WORK EXPERIENCE

Stormwater Management Plan for Phase 2: Silver Line Extension to Dulles Airport. Metropolitan Washington Airport Authority, Fairfax & Loudoun Counties, VA

Serves as Design Construction Integration Manager for a five-year contract with the Metropolitan Washington Airport Authority (MWAA) to provide technical services for the development and implementation of stormwater management best management practices for Phase 2 of the extension of the Silver Line Metrorail project to Dulles International Airport. The design/build project consists of three dry swales, two filtering practices, three bio-retentions, and five constructed wetlands. Tasks also include regulatory permitting.

North Post Express Diesel Activation. Army Air Force Exchange Service, Fort Belvoir, VA

Serves as Senior Project Engineer to prepare a Stormwater Management Plan and Erosion and Sediment Control Plan for the renovation of an existing fuel station on the base. Tasks include the design and implementation of a bio-retention basin on-site, regulatory permitting, and construction oversight.

Transmission Line 550 (TL550) Rebuild Project. Dominion Energy, West Virginia & Virginia

Serves as Senior Project Engineer to prepare Erosion and Sediment Control Plans and Stormwater Management plans for several phases of the transmission line rebuild project. The line is 65 miles long and extends from Grant, Hardy, and Pendleton Counties in West Virginia to Augusta and Rockingham Counties in Virginia. Tasks also include construction entrance design and regulatory permitting.

Cannon Branch to Winters Branch Transmission Line Project (TL2011). Dominion Energy, Manassas, Virginia

Serves as Project Engineer to prepare Stormwater Management and Erosion and Sediment Control Plans for the transmission line project. Tasks include regulatory permitting. Transmission line needed to provide support to proposed data center.

Aviator Delivery Point Transmission Line Project. Dominion Energy, Loudoun County, Virginia

Serves as Project Engineer to prepare Stormwater Management and Erosion and Sediment Control Plans for the transmission line project. Tasks include regulatory permitting. Transmission line needed to provide support to proposed substation and data center. Developed maintenance of traffic plans for project.

Diamond Grove Solar Interconnect Transmission Line Project. Dominion Energy, Greensville County, Virginia

Serves as Project Engineer to prepare Stormwater Management and Erosion and Sediment Control Plans for the transmission line project. Tasks include regulatory permitting. Transmission line needed to provide support to proposed substation and solar energy generating facility.

Matoaka Woods Stream Restoration Project. VDOT, City of Williamsburg & James City County, Virginia

Serves as Project Engineer to prepare maintenance of traffic plan for proposed stream restoration project.



Section 4. Offeror Data Sheet

ATTACHMENT A

OFFEROR DATA SHEET

TO BE COMPLETED BY OFFEROR

- 1. QUALIFICATIONS OF OFFEROR:** Offerors must have the capability and capacity in all respects to fully satisfy the contractual requirements.
- 2. YEARS IN BUSINESS:** Indicate the length of time you have been in business providing these types of goods and services.

Years 26 Months 5

- 3. REFERENCES:** Indicate below a listing of at least five (5) organizations, either commercial or governmental/educational, that your agency is servicing. Include the name and address of the person the purchasing agency has your permission to contact.

CLIENT	LENGTH OF SERVICE	ADDRESS	CONTACT PERSON/PHONE #
Fairfax County DPWES	8 years	12000 Government Center Parkway Suite 448 Fairfax, VA	Jack Merritt, 703.877.2871
Fairfax County DPWES	4 years	12000 Government Center Parkway, Suite 448 Fairfax, VA	Christopher Meoli, 703.877.2863
VDOT	10 years	2430 Pine Forest Drive, South Chesterfield, VA 23834	Joseph Parfitt, 804.339.4365
Prince William County DPW	10 years	5 County Complex Ct., Prince William, VA 22192	Tom Dombrowski, 703.792.534
City of Hampton Public Works	7 years	419 North Armistead Ave. Hampton, VA 23669	Robert Tweedy, 757.727.2803

- 4. List full names and addresses of Offeror and any branch offices which may be responsible for administering the contract.**

HGS, LLC

5367 Telephone Rd, Warrenton, VA 20187

101 S. 15th, Suite 104, Richmond, VA 23219

- 5. RELATIONSHIP WITH THE COMMONWEALTH OF VIRGINIA:** Is any member of the firm an employee of the Commonwealth of Virginia who has a personal interest in this contract pursuant to the CODE OF VIRGINIA, SECTION 2.2-3100 – 3131?

YES NO

IF YES, EXPLAIN:



Section 5. Small Business Subcontracting Plan

ATTACHMENT B

Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

Offeror Name: HGS, LLC **Preparer Name:** Bethany Whitfield

Date: March 16, 2026

Is your firm a **Small Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes No

If yes, certification number: _____ Certification date: _____

Is your firm a **Woman-owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes No

If yes, certification number: _____ Certification date: _____

Is your firm a **Minority-Owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes No

If yes, certification number: _____ Certification date: _____

Is your firm a **Micro Business** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes No

If yes, certification number: _____ Certification date: _____

Instructions: *Populate the table below to show your firm's plans for utilization of small, women-owned and minority-owned business enterprises in the performance of the contract. Describe plans to utilize SWAMs businesses as part of joint ventures, partnerships, subcontractors, suppliers, etc.*

Small Business: "Small business " means a business, independently owned or operated by one or more persons who are citizens of the United States or non-citizens who are in full compliance with United States immigration law, which, together with affiliates, has 250 or fewer employees, or average annual gross receipts of \$10 million or less averaged over the previous three years.

Woman-Owned Business Enterprise: A business concern which is at least 51 percent owned by one or more women who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more women, and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWAM Program, all certified women-owned businesses are also a small business enterprise.**

Minority-Owned Business Enterprise: A business concern which is at least 51 percent owned by one or more minorities or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more minorities and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWAM Program, all certified minority-owned businesses are also a small business enterprise.**

Micro Business is a certified Small Business under the SWaM Program and has no more than twenty-five (25) employees AND no more than \$3 million in average annual revenue over the three-year period prior to their certification.

All small, women, and minority owned businesses must be certified by the Commonwealth of Virginia Department of Small Business and Supplier Diversity (SBSD) to be counted in the SWAM program. Certification applications are available through SBSD at 800-223-0671 in Virginia, 804-786-6585 outside Virginia, or online at <http://www.sbsd.virginia.gov/> (Customer Service).

RETURN OF THIS PAGE IS REQUIRED



ATTACHMENT B (CNT'D)
Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

Procurement Name and Number: RFP# JBM-1249

Date Form Completed: March 16, 2026

Listing of Sub-Contractors, to include, Small, Woman Owned and Minority Owned Businesses
 for this Proposal and Subsequent Contract

Offeror / Proposer:

HGS, LLC
 Firm

5367 Telephone Rd, Warrenton, VA 20187
 Address

Wes Tweedy, 571.242.3006, wtweedy@res.us
 Contact Person/No.

Sub-Contractor's Name and Address	Contact Person & Phone Number	SBSD Certification Number	Services or Materials Provided	Total Subcontractor Contract Amount (to include change orders)	Total Dollars Paid Subcontractor to date (to be submitted with request for payment from JMU)
N/A					

(Form shall be submitted with proposal and if awarded, a SWaM Sub-contractor Reporting Form shall be submitted to swamreporting@jmu.edu)

RETURN OF THIS PAGE IS REQUIRED



Section 6. VASCUPP Member Sales

While RES has worked for several VASCUPPP members in the past, including completing two major stream restorations at George Mason University, and a complex stream, wetland and nutrient mitigation bank site owned by the Longwood University Foundation, no major sales were performed over the last twelve months.

Section 7. Pricing Schedule

Please refer to the following two pages for RES' completed Pricing Schedule for this contract.



	Normal Working Hours	Emergency hours
Services		
Principal	\$197.00 per hour	\$260.00
Certified Safety Professional/Sr. Project Manager	\$160.00 per hour	\$240.00
Environmental Engineer/Professional Geologist	\$158.00 per hour	\$235.00
Project Manager	\$155.00 per hour	\$215.00
Equipment Manager	\$142.00 per hour	\$213.00
Responsible Land Disturber	\$115.00 per hour	\$180.00
Staff Geologist	\$124.00 per hour	\$178.00
Environmental Scientist	\$135.00 per hour	\$185.00
Draftsperson/ CADD Operator	\$150.00 per hour	\$210.00
Field Technician	\$120.00 per hour	\$168.00
Administrative/Documents Manager	\$120.00 per hour	\$168.00
Supervisor	\$153.00 per hour	\$215.00 per hour
Laborer	\$67.00 per hour	\$94.00 per hour
Vacuum Truck and operator services	\$420.00 per hour	Daily Mobilization Fee:\$450.00
Confined Space Entry cost per crew (# 4 crew members)	\$328.00 per hour	Daily Mobilization Fee:\$285.00
Liquids Hauling Charge	\$4.00 per gallon	
Solids Hauling Charge	\$4.00 per gallon	
Pressure Wash Fee	\$1,665.00 per event	
Equipment		
Trackhoe	\$750.00 per day	
Mini Excavator	\$478.00 per day	
Backhoe	\$525.00 per day	
Skid Steer	\$365.00 per day	
Single-axle dump	\$350.00 per day	
Tandem Axle Dump Truck	\$995.00 per day	
Service truck (4 hour minimum)	\$705.00 per day	
CCTV Equipment with Trailer	\$1,355.00 per day	
Dewatering Pump {6"} and Hoses	\$350.00 per day	
Chipper	\$240.00 per day	
Other Direct Costs		
Provide & install replacement backfill (compacted clay)	\$62.00 per ton	
Class I Rip Rap	\$95.00 per ton	
Clearing and Grubbing Crew cost per crew	\$350.00 per hour	Daily Mobilization Fee: \$285.00
Erosion Control Mat with Staples	\$375.00 per roll	
Soil and water analysis {standard turnaround)		
-characterization	\$300.00	
-Total petroleum hydrocarbon (TPH)	\$260.00	
-Benzene, toluene, ethylbenzene, and xylenes (BTEX)	\$340.00	

Equipment List



Item	Model Number
UTV (Polaris)	Ranger XP900 Crew Camo EPS
ATV (Yamaha)	GRIZZLY450
Mule (Kawasaki)	
Mule (Kawasaki)	
Mule (Kawasaki)	KAF820DHF
Mule (Kawasaki)	KAF820DJF
UTV RGR-17 Crew (Polaris)	R17RVE87A9 (Ranger)
Mule (Kawasaki)	KAF620MJF
ATV (Honda)	TRX420FA5H
Mule (Kawasaki)	KAF620MJF
Mule (Kawasaki)	KAF620MKF
Mule (Kawasaki)	KAF620MKF
UTV (Honda)	SXS10M3PJ
Boat, 70HP, 4 Stroke (Evinrude)	E70PL4EE
329E Skid Loader	329E
5100E Tractor (John Deere)	5100E
Mulching Head (John Deere)	MH60C
D-5 G Dozer (CAT)	D-5G
D-61PX12 Dozer (Komatsu)	D-61PX12
D-61PX-15EO Dozer (Komatsu)	D-61PX-15EO
D5K Dozer (CAT)	D5K
307C Excavator (CAT)	307C
312C Excavator (CAT)	312C
PC308USLC-3EO Excavator (Komatsu)	PC308USLC-3EO
PC300LC-7EO Excavator (Komatsu) LD	PC300LC-7EO
PC138USLC-8 Excavator (Komatsu)	PC138USLC-8
PC300LC-8 Hydraulic Excavator (Komatsu) HD	PC300LC-8
160X2 Excavator (Linkbelt)	160X2
210X2 Excavator (Linkbelt)	210X2
240LX-Long Front Excavator (Linkbelt)	240LX
210X2 Excavator (Linkbelt)	210X2
160X2 Excavator (Linkbelt)	160X2
312C Excavator (CAT)	312C
308D Excavator (CAT)	308D
160X2 Excavator (Linkbelt)	160X2
160X2 Excavator (Linkbelt)	160X2
321C Excavator (CAT)	321C
321D Excavator (CAT)	321D
305.5E2 Excavator (CAT)	305.5E2
308E CR Excavator (CAT)	308E CR
321DLCR Excavator (CAT)	321DLCR
314DL Excavator (CAT)	314DL
321DCR Excavator (CAT)	321DCR

Item	Model Number
321 DLCR Excavator (CAT)	321 DLCR
312EL Excavator (CAT)	312EL CFTH
308E CR Excavator (CAT)	308E CR
325FCR CF Excavator (CAT)	325 FCR CF
325FCR CF Excavator (CAT)	325 FCR CF
313F CF Excavator (CAT)	313F CF
313F CF Excavator (CAT]	313 F CF
325FCR CF Excavator (CAT)	325FCR CF
313F CF Excavator (CAT]	313F CF
325FCR CF Excavator (CAT)	325FCR CF Excavator
316F Excavator (CAT)	316F CF
316F Excavator (CAT)	316F CF
313F CF Excavator (CAT)	313F CF
308E2 Excavator (CAT)	308E2 SBS
325FCR CF Excavator (CAT)	325FCR CF
308 SBR Excavator (CAT)	308 SBR
323 Excavator (CAT)	323
MTL 20 Track Skid Loader (Mustang)	MTL20
MTL 25 Track Skid Loader (Mustang)	MTL25
MTL 25 Track Skid Loader (Mustang)	MTL25
TL150 Skid Loader (Takeuchi)	TL150
TL150 Skid Loader (Takeuchi)	TL150
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
IT28 Integrated Toolcarrier (CAT)	IT28
TL250 Skid Loader (Takeuchi)	TL250
TL250 Skid Loader (Takeuchi)	TL250
TL10 Compact Skid Loader (Takeuchi)	TL10
TL12CR Skid Loader (Takeuchi)	TL12CR
TL12 Skid Loader (Takeuchi)	TL12
TL12 Skid Loader (Takeuchi)	TL12
930K Wheel Loader (CAT)	930K
TL12R2-CR Track Loader (Takeuchi)	TL12R2-CR
TL12V2-CR Track Loader (Takeuchi)	TL12V2-CR
TL12V2 Track Loader (Takeuchi)	TL12V2
299D2 Skidsteer (CAT)	299D2 XHP
5420 Tractor (JOHN DEERE)	5420
5205 Tractor (JOHN DEERE)	5205
Pulverizer (Woods)	
4500 Tractor (Ventrac)	4500Z



Item	Model Number
4500 Tractor (Ventrac)	4500Z
4500 Tractor (Ventrac]	4500Z
Site Dumper Rear Steer (Terex)	
CD-60 Track Truck (Komatsu) 7 Ton Off Road Dump Truck	CD-60
CD-60 Track Truck (Komatsu) 7 Ton Off Road Dump Truck	CD-60
Site Dumper Model #PS6-AWSRT2 (Terex)	PS6-AWSRT2
JCB 714 Articulated Haul Truck (John Deere)	JCB714
JCB 714 Articulated Haul Truck (John Deere)	JCB714
912HM Articulated Haul Truck (Hydrema)	912HM
912HM Articulated Haul Truck (Hydrema)	912HM
912HM Articulated Haul Truck (Hydrema)	912HM
912HM Articulated Haul Truck (Hydrema)	912HM
912HM Articulated Haul Truck (Hydrema)	912HM
912HM Articulated Haul Truck (Hydrema)	912HM
Site Dumper Model #TA6S (Terex)	TA6S
912HM Articulated Haul Truck (Hydrema)	912HM
912HM Articulated Haul Truck (Hydrema)	912HM
922HM Articulated Haul Truck (Hydrema)	922DHM
922HM Articulated Haul Truck (Hydrema)	922FHM
912HM Articulated Haul Truck (Hydrema)	912EHM
912HM Articulated Haul Truck (Hydrema)	912HM
ATV (Honda)	TRX500FE
Trench Roller (Wacker)	RT82-SC / Revision #113
B70 Straw Blower (Finn)	B70
5' Brush Cutter Attachment (Mustang)	
Dri-Prime CD150 6" Pump (Godwin)	CD150M
Brush Chipper (Vermeer)	BC1500
Dri-Prime CD150 6" Pump (Godwin)	
CD150M 6" Dri-Prime Quiet Pump (Godwin)	CD150M
CD150M 6" Dri-Prime Pump (Godwin)	CD150M
Gutter brush/sweeper (CAT)	BP115C

Item	Model Number
4" CD100 Diesel Pump (Godwin)	CD100
84" Root Grapple (Bradco)	415519
T120T Hydro Seeder (Finn)	
Sweepster 72" Broom (Paladin)	
Sweepster 72" Broom (Paladin)	
Breaker (Atlas)	SBU220
Trench Roller (Wacker)	RT82SC-2
ATV Sprayer (Reddick)	7S050P10
Tractor Boom Sprayer	S4P-8RP-C9006-200
ATV Sprayer (Reddick)	7S050P10
Electro Fisher (Halltech)	HT-2000
John Deere PA30 Planetary Drive Auger	PA30
CD150M 6" Dri-Prime Quiet Pump (Godwin)	CD150M
CD150M 6" Dri-Prime Quiet Pump (Godwin)	CD150M
Planetary Auger (John Deere)	PA-30
CD150M 6" Dri-Prime Quiet Pump (Godwin)	CD150M
CD150S 6" Dri-Prime Quiet Pump (Godwin)	CD150S



Contractor License



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
02-29-2028

NUMBER
2705080981

BOARD FOR CONTRACTORS
CLASS A CONTRACTOR
CLASSIFICATIONS CBC H/H



HGS LLC
ANGLER ENVIRONMENTAL
5367 TELEPHONE RD
WARRENTON, VA 20187



Laura V. McClintock
Laura V. McClintock, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

CLASS A BOARD FOR CONTRACTORS
CONTRACTOR

CLASSIFICATIONS CBC H/H
NUMBER: 2705080981 EXPIRES: 02-29-2028

HGS LLC
ANGLER ENVIRONMENTAL
5367 TELEPHONE RD
WARRENTON, VA 20187



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)



ores

The logo consists of a stylized leaf icon on the left, rendered in a blue-to-green gradient, followed by the lowercase text 'ores' in a bold, blue, sans-serif font.



Request for Proposal

RFP# JBM-1249

Stormwater Structures Maintenance

February 17, 2026



REQUEST FOR PROPOSAL
RFP# JBM-1249

Issue Date: February 17, 2026
Title: Stormwater Structures Maintenance
Issuing Agency: Commonwealth of Virginia
James Madison University
Procurement Services MSC 5720
752 Ott Street, Wine Price Building
First Floor, Suite 1023
Harrisonburg, VA 22807

Period of Contract: From Date of Award Through One Year (Renewable)

Sealed Proposals Will Be Received Until 2:00 PM on March 17, 2025 for Furnishing The Services Described Herein. (See Special Terms & Conditions “D. Late Proposals”)

SEALED PROPOSALS MAY BE MAILED, EXPRESS MAILED, SUBMITTED IN eVA, OR HAND DELIVERED DIRECTLY TO THE ISSUING AGENCY SHOWN ABOVE.

All Inquiries For Information And Clarification Should Be Directed To: Juan Becerra Martinez, Buyer Senior, Procurement Services, becer2jx@jmu.edu; 540-568-3130; (Fax) 540-568-7935 not later than five business days before the proposal closing date.

NOTE: THE SIGNED PROPOSAL AND ALL ATTACHMENTS SHALL BE RETURNED.

In compliance with this Request for Proposal and to all the conditions imposed herein, the undersigned offers and agrees to furnish the goods/services in accordance with the attached signed proposal or as mutually agreed upon by subsequent negotiation.

Name and Address of Firm:	By:
_____	_____
_____	<i>(Signature)</i>
_____	Name:
_____	_____
	<i>(Please Print)</i>
Date: _____	Title: _____
Web Address: _____	Phone: _____
Email: _____	Fax #: _____

ACKNOWLEDGE RECEIPT OF ADDENDUM: #1 _____ #2 _____ #3 _____ #4 _____ #5 _____ (please initial)

SMALL, WOMAN OR MINORITY OWNED BUSINESS:
 YES; NO; *IF YES* ⇒⇒ SMALL; WOMAN; MINORITY ***IF MINORITY:*** AA; HA; AsA; NW; Micro

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against an offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

REQUEST FOR PROPOSAL

RFP # JBM-1249

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I. PURPOSE

The purpose of this Request for Proposal (RFP) is to solicit sealed proposals from qualified sources to enter into a contract to provide campus-wide stormwater structure maintenance for James Madison University (JMU), an agency of the Commonwealth of Virginia. Initial contract shall be for one (1) year with an option to renew for four (4) additional one-year periods.

II. BACKGROUND

James Madison University (JMU) is a comprehensive public institution in Harrisonburg, Virginia with an enrollment of approximately 24,000 students and 3,000 faculty and staff. There are over 600 individual departments on campus that support seven academic divisions. The University offers over 120 majors, minors, and concentrations. Further information about the University may be found at the following website: <http://www.jmu.edu>.

The campus spans over 785 acres, including 31 acres located off-campus, and comprises 160 buildings. Stormwater structure maintenance through various seasons/weather conditions is a primary concern for the facilities management department.

III. SMALL, WOMAN-OWNED AND MINORITY PARTICIPATION

It is the policy of the Commonwealth of Virginia to contribute to the establishment, preservation, and strengthening of small businesses and businesses owned by women and minorities, and to encourage their participation in State procurement activities. The Commonwealth encourages contractors to provide for the participation of small businesses and businesses owned by women and minorities through partnerships, joint ventures, subcontracts, and other contractual opportunities. Attachment B contains information on reporting spend data with subcontractors.

IV. STATEMENT OF NEEDS

James Madison expects this solicitation to result in a comprehensive contract for cleaning, maintenance, restoration, and repair of campus stormwater structures and best management practices.

JMU does not guarantee any designated amount of orders from this contract. Purchases between contractors awarded will be at the discretion of the University.

A. SPECIFIC REQUIREMENTS

1. The Contractor shall perform cleaning, maintenance, restoration, and repair of campus stormwater structures and best management practices to include, but not limited to, bioretention filters, riparian buffers, conserved open space, sand filters, various manufactured BMP systems (i.e. CONTECH StormFilter, Stormceptor, Filterra units, bioretention systems), oil-water separators, underground storage vaults, piping, tanks and structures, surface impoundment areas, drop inlets, open drainage channels, streams, catch basins, manholes, outfalls, dry and wet ponds, pond control structures, etc. There may be an occasional need to perform general excavation, patching, and repairing.
2. Contractor shall supply all materials, labor, supervision, and documentation required to complete work.
3. Class A Contractor's License is required. Include a copy of Class A License within proposal.

4. All subcontractors must be approved by the University project manager and stormwater coordinator.
5. Contractor shall comply with all applicable federal, state, local, and University regulations when performing this work. Contractor shall follow the [JMU Facilities Management Design and Construction](#) Guidelines document for any work on campus.
6. Confined space entry and hot work may be required as part of this work.
 - i. Hot Work
 - a. All work involving, but not limited to, welding, brazing, soldering, grinding and other applications that can produce sparks or flame capable of initiating fires shall meet the following safeguards:
 01. Before hot work can begin in a non-designated location, a completed hot work permit prepared by the project manager is required. Based on local conditions, the project manager must determine the length of the period, not to exceed 24 hours, for which the hot work permit is valid.
 02. The following conditions must be confirmed by the project manager before permitting the hot work to commence:
 - b. Atmospheric testing must be performed before work may begin in confined spaces or other areas where a combustible atmosphere may exist. If combustible elements in the atmosphere cannot be eliminated then hot work may not take place.
 - c. Contractor is expected to have atmospheric testing equipment available, In the event of an emergency; the JMU Power Plant may be available to assist.
 - d. Equipment to be used (e.g. welding equipment, shields, personal protective equipment, fire extinguishers) must be in satisfactory operating condition and in good repair.
 - e. The floor must be swept clean for a radius of 35 ft if combustible materials, such as paper or wood shavings are on the floor.
 - f. Combustible floors (except wood on concrete) must be (#1) Kept wet or be covered with damp sand (note: where floors have been wet down, personnel operating arc welding or cutting equipment shall be protected from possible shock)., or (#2) Be protected by noncombustible or fire-retardant shields.
 - g. All combustible materials must be moved at least 35 ft away from the hot work operation. If relocation is impractical, combustibles must be protected with fire-retardant covers, shields or curtains. Edges of covers at the floor must be tight to prevent sparks from going under them, including where several covers overlap when protecting a large pile.
 - h. Openings or cracks in walls, floors, or ducts within 35 ft of the site must be tightly covered with fire-retardant or noncombustible material to prevent the passage of sparks to adjacent areas.
 - i. If hot work is done near walls, partitions, ceilings, or roofs of combustible construction, fire-retardant shields or guards must be provided to prevent ignition.

- j. If hot work is to be done on a wall, partition, ceiling, or roof, precautions shall be taken to prevent ignition of combustibles on the other side by relocating combustibles. If it is impractical to relocate combustibles, a fire watch on the opposite side from the work must be posted.
 - k. Hot work must not be attempted on a partition, wall, ceiling, or roof that has a combustible covering or insulation, or on walls or partitions of combustible sandwich-type panel construction.
 - l. Hot work that is performed on pipes or other metal that is in contact with combustible walls, partitions, ceilings, roofs, or other combustibles must not be undertaken if the work is close enough to cause ignition by conduction.
 - m. Fully charged and operable fire extinguishers that are appropriate for the type of possible fire shall be available immediately at the work area. These extinguishers should be supplied by the group performing the hot work. The fire extinguishers normally located in a building are not considered to fulfill this requirement.
 - n. If hot work is done in proximity to a sprinkler head, a wet rag shall be laid over the head and then removed at the conclusion of the welding or cutting operation. During hot work, special precautions shall be taken to avoid accidental operation of automatic fire detection or suppression systems (for example, special extinguishing systems or sprinklers).
 - o. Nearby personnel must be suitably protected against heat, sparks, and slag.
 - p. It is the contractor's responsibility to perform all required tasks.
 - 01. A fire watch shall be maintained, by the contractor, during all phases of hot work and for at least 60 minutes after completion of hot work operations in order to detect and extinguish smoldering fires.
 - q. The fire watch's only responsibility is to observe the work area where the hot work is being performed. The fire watch shall not perform any other tasks during this time.
 - r. Depending on the situation, multiple fire watches may be needed for one job.
 - 01. The project manager shall inspect the job site 60 minutes following completion of hot work and close out the permit with the time and date of the final check.
 - 02. The area will continued to need to be monitored for 3 hours after the 60 minute fire watch is complete. It will be up to the employee's discretion as to how often they check the area. Considerations should be given to the type of fire detection and suppression equipment available in the building as well as to the surroundings that the work was performed in.
 - 03. These procedures are intended to compliment and/or exceed all OSHA required actions.
7. Work may include other environmental projects as required by the University.
8. Contractor shall have sufficient resources to work multiple jobs at the same time.

9. The job foreman and project manager or project lead, if the same person is serving in both capacities, must be fluent in English and be present on the job site during all work.
10. The University reserves the right to specify precisely the types of materials to be utilized.
11. Any wastewater from maintenance operations should be captured by the contractor and disposed of appropriately according to state and federal laws and regulations. NO wastewater should be discharged to any stormwater structure, stormwater conveyance, or to any waterbody.
12. Normal working hours shall be Monday through Friday, 7:30 AM – 4:00 PM. If work must be completed during non-working hours, prior authorization must be given by the University project manager.

B. DESCRIBE STATEMENTS: Address the following statements within the proposal.

Offeror Must Provide a Response to the Following Questions to be Considered.

1. Describe your approach and ability to provide excellent customer service throughout the term of the contract, to include mobilization of the contractor's management and work staff to meet the needs stated herein. Include how your firm will provide excellent customer service on fast turn-around projects to include mobilization of a crew if your firm is not in close proximity to the University.
2. Fully describe the qualifications, capabilities, and experience of your firm, in particular, providing stormwater structure maintenance, to include your firm's size and number of employees and any pertinent/related certifications.
3. Provide an organizational chart indicating which individuals or positions have knowledge of a contract with the University and the degree which each person would be responsible to the University account. Include names of project managers and supervisors.
4. Describe the experience your firm has with provisions of similar services to comparable institutions. These may be term contracts or one time purchases.
5. Provide a statement that indicates whether your firm has been subject to OSHA inspections by State and/or Federal agencies and the results, including citations, if any.
6. Provide information regarding any contract that an institution, agency, or company that chose not to renew with your firm in the last five years, including the reason the contract was not renewed.

V. PROPOSAL PREPARATION AND SUBMISSION

A. GENERAL INSTRUCTIONS

To ensure timely and adequate consideration of your proposal, offerors are to limit all contact, whether verbal or written, pertaining to this RFP to the James Madison University Procurement Office for the duration of this Proposal process. Failure to do so may jeopardize further consideration of Offeror's proposal.

ELECTRONIC OR PAPER SUBMISSIONS MAY BE ACCEPTED FOR THIS PROPOSAL. INSTRUCTIONS BELOW FOR OFFEROR'S CHOSEN METHOD (A. ELECTRONIC SUBMISSION or B. PAPER RESPONSE).

1. RFP Response: In order to be considered for selection, the **Offeror shall submit a complete response to this RFP**; and shall submit to the issuing Purchasing Agency:

a. **ELECTRONIC SUBMISSION:**

- i. ELECTRONIC RESPONSES SUBMITTED THROUGH eVA WILL BE ACCEPTED. **Emailed responses will not be accepted.** Please see below, "eVA Procurement Website and Registration" for additional information on registration. It is the responsibility of the Supplier to ensure their proposal and all required documentation is properly completed, readable, and uploaded to eVA. Suppliers should allow sufficient time to account for any technical difficulties they may encounter during online submission or uploading of the documents. In the event of any technical difficulties, Suppliers shall contact the eVA Customer Care Center at 1-866-289-7367 or via email at eVACustomerCare@DGS.virginia.gov.
- ii. eVA Procurement Website and Registration The Commonwealth's procurement portal, eVA, located at <http://www.eva.virginia.gov>, provides information about Commonwealth solicitations and awards. Suppliers shall be registered in eVA in order submit a proposal to this RFP. To register with eVA, select "Register Now" on the eVA website homepage, <http://www.eva.virginia.gov>. For registration instructions and assistance, as well as instructions on how to submit proposals and accept orders please select "I Sell to Virginia". Suppliers are encouraged to check this site on a regular basis and, in particular, prior to submission of proposals to identify any amendments to the RFP that may have been issued.
- iii. Electronic Responses submitted through eVA shall be in WORD format or searchable PDF of the entire proposal, INCLUDING ALL ATTACHMENTS. PDFs must be submitted in an unlocked format. Any proprietary information should be clearly marked in accordance with Section V.4.f. below.

b. **PAPER SUBMISSIONS:**

- i. **One (1) original and One (1) copy** of the entire proposal, INCLUDING ALL ATTACHMENTS. Any proprietary information should be clearly marked in accordance with V.4.e. below.
- ii. **One (1) electronic copy in WORD format or searchable PDF (CD or flash drive)** of the entire proposal, INCLUDING ALL ATTACHMENTS. Any proprietary information should be clearly marked in accordance with Section V.4.f. below.
- iii. Each copy of the proposal should be bound or contained in a single volume where practical. All documentation submitted with the proposal should be contained in that single volume.

iv. See additional information in Section VIII.C, *IDENIFICATION OF PROPSAL ENVELOPE*.

2. Should the proposal contain **proprietary information, provide one (1) redacted copy of the proposal** and all attachments with **proprietary portions removed or blacked out**. This copy should be clearly marked “*Redacted Copy*” on the front cover. The classification of an entire proposal document, line-item prices, and/or total proposal prices as proprietary or trade secrets is not acceptable. JMU shall not be responsible for the Contractor’s failure to exclude proprietary information from this redacted copy.

No other distribution of the proposal shall be made by the Offeror.

3. The version of the solicitation issued by JMU Procurement Services, as amended by an addenda, is the mandatory controlling version of the document. Any modification of, or additions to, the solicitation by the Offeror shall not modify the official version of the solicitation issued by JMU Procurement services unless accepted in writing by the University. Such modifications or additions to the solicitation by the Offeror may be cause for rejection of the proposal; however, JMU reserves the right to decide, on a case-by-case basis in its sole discretion, whether to reject such a proposal. If the modification or additions are not identified until after the award of the contract, the controlling version of the solicitation document shall still be the official state form issued by Procurement Services.

4. Proposal Preparation

- a. Proposals shall be signed by an authorized representative of the Offeror. All information requested should be submitted. Failure to submit all information requested may result in the purchasing agency requiring prompt submissions of missing information and/or giving a lowered evaluation of the proposal. Proposals which are substantially incomplete or lack key information may be rejected by the purchasing agency. Mandatory requirements are those required by law or regulation or are such that they cannot be waived and are not subject to negotiation.
- b. Proposals shall be prepared simply and economically, providing a straightforward, concise description of capabilities to satisfy the requirements of the RFP. Emphasis should be placed on completeness and clarity of content.
- c. Proposals should be organized in the order in which the requirements are presented in the RFP. All pages of the proposal should be numbered. Each paragraph in the proposal should reference the paragraph number of the corresponding section of the RFP. It is also helpful to cite the paragraph number, sub letter, and repeat the text of the requirement as it appears in the RFP. If a response covers more than one page, the paragraph number and sub letter should be repeated at the top of the next page. The proposal should contain a table of contents which cross references the RFP requirements. Information which the offeror desires to present that does not fall within any of the requirements of the RFP should be inserted at the appropriate place or be attached at the end of the proposal and designated as additional material. Proposals that are not organized in this manner risk elimination from consideration if the evaluators are unable to find where the RFP requirements are specifically addressed.
- d. As used in this RFP, the terms “must”, “shall”, “should” and “may” identify the criticality of requirements. “Must” and “shall” identify requirements whose absence

will have a major negative impact on the suitability of the proposed solution. Items labeled as “should” or “may” are highly desirable, although their absence will not have a large impact and would be useful, but are not necessary. Depending on the overall response to the RFP, some individual “must” and “shall” items may not be fully satisfied, but it is the intent to satisfy most, if not all, “must” and “shall” requirements. The inability of an offeror to satisfy a “must” or “shall” requirement does not automatically remove that offeror from consideration; however, it may seriously affect the overall rating of the offeror’ proposal.

- e. Each copy of the proposal should be bound or contained in a single volume where practical. All documentation submitted with the proposal should be contained in that single volume.
 - f. Ownership of all data, materials and documentation originated and prepared for the State pursuant to the RFP shall belong exclusively to the State and be subject to public inspection in accordance with the Virginia Freedom of Information Act. Trade secrets or proprietary information submitted by the offeror shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the offeror must invoke the protection of Section 2.2-4342F of the Code of Virginia, in writing, either before or at the time the data is submitted. **The written notice must specifically identify the data or materials to be protected and state the reasons why protection is necessary. The proprietary or trade secret materials submitted must be identified by some distinct method such as highlighting or underlining and must indicate only the specific words, figures, or paragraphs that constitute trade secret or proprietary information. The classification of an entire proposal document, line-item prices and/or total proposal prices as proprietary or trade secrets is not acceptable. Marking an entire proposal as confidential or attempts to prevent disclosure of pricing information by designating it as confidential, proprietary or trade secret will be ignored.**
5. Oral Presentation: Offerors who submit a proposal in response to this RFP may be required to give an oral presentation of their proposal to James Madison University. This provides an opportunity for the Offeror to clarify or elaborate on the proposal. This is a fact-finding and explanation session only and does not include negotiation. James Madison University will schedule the time and location of these presentations. Oral presentations are an option of the University and may or may not be conducted. Therefore, proposals should be complete.

B. SPECIFIC PROPOSAL INSTRUCTIONS

Proposals should be as thorough and detailed as possible so that James Madison University may properly evaluate your capabilities to provide the required services. Offerors are required to submit the following items as a complete proposal:

1. Return RFP cover sheet and all addenda acknowledgements, if any, signed and filled out as required. (Electronic signature shall be accepted, i.e. Adobe Sign, DocuSign, etc.)
2. Plan and methodology for providing the goods/services as described in Section IV. Statement of Needs of this Request for Proposal.
3. A written narrative statement to include, but not be limited to, the expertise, qualifications, and experience of the firm and resumes of specific personnel to be assigned to perform the work.

4. Offeror Data Sheet, included as *Attachment A* to this RFP.
5. Small Business Subcontracting Plan, included as *Attachment B* to this RFP. Offeror shall provide a Small Business Subcontracting plan which summarizes the planned utilization of Department of Small Business and Supplier Diversity (SBSD)-certified small businesses which include businesses owned by women and minorities, when they have received Department of Small Business and Supplier Diversity (SBSD) small business certification, under the contract to be awarded as a result of this solicitation. This is a requirement for all prime contracts in excess of \$100,000 unless no subcontracting opportunities exist.
6. Identify the amount of sales your company had during the last twelve months with each VASCUPP Member Institution. A list of VASCUPP Members can be found at: www.VASCUPP.org.
7. Proposed Cost. See Section X. Pricing Schedule of this Request for Proposal.

VI. EVALUATION AND AWARD CRITERIA

A. EVALUATION CRITERIA

Proposals shall be evaluated by James Madison University using the following criteria:

	<u>Points</u>
1. Quality of products/services offered and suitability for intended purposes	25
2. Qualifications and experience of Offeror in providing the goods/services	20
3. Specific plans or methodology to be used to perform the services	30
4. Participation of Small, Women-Owned, & Minority (SWaM) Businesses	10
5. Cost	<u>15</u>
	100

- B. AWARD TO MULTIPLE OFFERORS: Selection shall be made of two or more offerors deemed to be fully qualified and best suited among those submitting proposals on the basis of the evaluation factors included in the Request for Proposals, including price, if so stated in the Request for Proposals. Negotiations shall be conducted with the offerors so selected. Price shall be considered, but need not be the sole determining factor. After negotiations have been conducted with each offeror so selected, the agency shall select the offeror which, in its opinion, has made the best proposal, and shall award the contract to that offeror. The Commonwealth reserves the right to make multiple awards as a result of this solicitation. The Commonwealth may cancel this Request for Proposals or reject proposals at any time prior to an award, and is not required to furnish a statement of the reasons why a particular proposal was not deemed to be the most advantageous. Should the Commonwealth determine in writing and in its sole discretion that only one offeror is fully qualified, or that one offeror is clearly more highly qualified than the others under consideration, a contract may be negotiated and awarded to that

offeror. The award document will be a contract incorporating by reference all the requirements, terms and conditions of the solicitation and the contractor's proposal as negotiated.

VII. GENERAL TERMS AND CONDITIONS

- A. PURCHASING MANUAL: This solicitation is subject to the provisions of the Commonwealth of Virginia's Purchasing Manual for Institutions of Higher Education and Their Vendors and any revisions thereto, which are hereby incorporated into this contract in their entirety. A copy of the manual is available for review at the purchasing office. In addition, the manual may be accessed electronically at <http://www.jmu.edu/procurement> or a copy can be obtained by calling Procurement Services at (540) 568-3145.
- B. APPLICABLE LAWS AND COURTS: This solicitation and any resulting contract shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in the courts of the Commonwealth. The Contractor shall comply with applicable federal, state and local laws and regulations.
- C. ANTI-DISCRIMINATION: By submitting their proposals, offerors certify to the Commonwealth that they will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Contracting Act of 1975, as amended, where applicable, the Virginians With Disabilities Act, the Americans With Disabilities Act and §10 of the Rules Governing Procurement, Chapter 2, Exhibit J, Attachment 1 (available for review at <http://www.jmu.edu/procurement>). If the award is made to a faith-based organization, the organization shall not discriminate against any recipient of goods, services, or disbursements made pursuant to the contract on the basis of the recipient's religion, religious belief, refusal to participate in a religious practice, or on the basis of race, age, color, gender, sexual orientation, gender identity, or national origin and shall be subject to the same rules as other organizations that contract with public bodies to account for the use of the funds provided; however, if the faith-based organization segregates public funds into separate accounts, only the accounts and programs funded with public funds shall be subject to audit by the public body. (*§6 of the Rules Governing Procurement*).

In every contract over \$10,000 the provisions in 1. and 2. below apply:

1. During the performance of this contract, the contractor agrees as follows:
 - a. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, gender identity, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - b. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
 - c. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting these requirements.

2. The contractor will include the provisions of 1. above in every subcontract or purchase order over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.
- D. ETHICS IN PUBLIC CONTRACTING: By submitting their proposals, offerors certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other offeror, supplier, manufacturer or subcontractor in connection with their proposal, and that they have not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.
 - E. IMMIGRATION REFORM AND CONTROL ACT OF 1986: By entering into a written contract with the Commonwealth of Virginia, the Contractor certifies that the Contractor does not, and shall not during the performance of the contract for goods and services in the Commonwealth, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.
 - F. DEBARMENT STATUS: By submitting their proposals, offerors certify that they are not currently debarred by the Commonwealth of Virginia from submitting proposals on contracts for the type of goods and/or services covered by this solicitation, nor are they an agent of any person or entity that is currently so debarred.
 - G. ANTITRUST: By entering into a contract, the contractor conveys, sells, assigns, and transfers to the Commonwealth of Virginia all rights, title and interest in and to all causes of action it may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by the Commonwealth of Virginia under said contract.
 - H. MANDATORY USE OF STATE FORM AND TERMS AND CONDITIONS RFPs: Failure to submit a proposal on the official state form provided for that purpose may be a cause for rejection of the proposal. Modification of or additions to the General Terms and Conditions of the solicitation may be cause for rejection of the proposal; however, the Commonwealth reserves the right to decide, on a case by case basis, in its sole discretion, whether to reject such a proposal.
 - I. CLARIFICATION OF TERMS: If any prospective offeror has questions about the specifications or other solicitation documents, the prospective offeror should contact the buyer whose name appears on the face of the solicitation no later than five working days before the due date. Any revisions to the solicitation will be made only by addendum issued by the buyer.
 - J. PAYMENT:
 1. To Prime Contractor:
 - a. Invoices for items ordered, delivered and accepted shall be submitted by the contractor directly to the payment address shown on the purchase order/contract. All invoices shall show the state contract number and/or purchase order number; social security number (for individual contractors) or the federal employer identification number (for proprietorships, partnerships, and corporations).

- b. Any payment terms requiring payment in less than 30 days will be regarded as requiring payment 30 days after invoice or delivery, whichever occurs last. This shall not affect offers of discounts for payment in less than 30 days, however.
- c. All goods or services provided under this contract or purchase order, that are to be paid for with public funds, shall be billed by the contractor at the contract price, regardless of which public agency is being billed.
- d. The following shall be deemed to be the date of payment: the date of postmark in all cases where payment is made by mail, or the date of offset when offset proceedings have been instituted as authorized under the Virginia Debt Collection Act.
- e. Unreasonable Charges. Under certain emergency procurements and for most time and material purchases, final job costs cannot be accurately determined at the time orders are placed. In such cases, contractors should be put on notice that final payment in full is contingent on a determination of reasonableness with respect to all invoiced charges. Charges which appear to be unreasonable will be researched and challenged, and that portion of the invoice held in abeyance until a settlement can be reached. Upon determining that invoiced charges are not reasonable, the Commonwealth shall promptly notify the contractor, in writing, as to those charges which it considers unreasonable and the basis for the determination. A contractor may not institute legal action unless a settlement cannot be reached within thirty (30) days of notification. The provisions of this section do not relieve an agency of its prompt payment obligations with respect to those charges which are not in dispute (*Rules Governing Procurement, Chapter 2, Exhibit J, Attachment 1 § 53; available for review at <http://www.jmu.edu/procurement>*).

2. To Subcontractors:

- a. A contractor awarded a contract under this solicitation is hereby obligated:

- (1) To pay the subcontractor(s) within seven (7) days of the contractor's receipt of payment from the Commonwealth for the proportionate share of the payment received for work performed by the subcontractor(s) under the contract; or
- (2) To notify the agency and the subcontractors, in writing, of the contractor's intention to withhold payment and the reason.

- b. The contractor is obligated to pay the subcontractor(s) interest at the rate of one percent per month (unless otherwise provided under the terms of the contract) on all amounts owed by the contractor that remain unpaid seven (7) days following receipt of payment from the Commonwealth, except for amounts withheld as stated in (2) above. The date of mailing of any payment by U. S. Mail is deemed to be payment to the addressee. These provisions apply to each sub-tier contractor performing under the primary contract. A contractor's obligation to pay an interest charge to a subcontractor may not be construed to be an obligation of the Commonwealth.

3. Each prime contractor who wins an award in which provision of a SWAM procurement plan is a condition to the award, shall deliver to the contracting agency or institution, on or before request for final payment, evidence and certification of compliance (subject only to

insubstantial shortfalls and to shortfalls arising from subcontractor default) with the SWAM procurement plan. Final payment under the contract in question may be withheld until such certification is delivered and, if necessary, confirmed by the agency or institution, or other appropriate penalties may be assessed in lieu of withholding such payment.

4. The Commonwealth of Virginia encourages contractors and subcontractors to accept electronic and credit card payments.
- K. PRECEDENCE OF TERMS: Paragraphs A through J of these General Terms and Conditions and the Commonwealth of Virginia Purchasing Manual for Institutions of Higher Education and their Vendors, shall apply in all instances. In the event there is a conflict between any of the other General Terms and Conditions and any Special Terms and Conditions in this solicitation, the Special Terms and Conditions shall apply.
- L. QUALIFICATIONS OF OFFERORS: The Commonwealth may make such reasonable investigations as deemed proper and necessary to determine the ability of the offeror to perform the services/furnish the goods and the offeror shall furnish to the Commonwealth all such information and data for this purpose as may be requested. The Commonwealth reserves the right to inspect offeror's physical facilities prior to award to satisfy questions regarding the offeror's capabilities. The Commonwealth further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such offeror fails to satisfy the Commonwealth that such offeror is properly qualified to carry out the obligations of the contract and to provide the services and/or furnish the goods contemplated therein.
- M. TESTING AND INSPECTION: The Commonwealth reserves the right to conduct any test/inspection it may deem advisable to assure goods and services conform to the specifications.
- N. ASSIGNMENT OF CONTRACT: A contract shall not be assignable by the contractor in whole or in part without the written consent of the Commonwealth.
- O. CHANGES TO THE CONTRACT: Changes can be made to the contract in any of the following ways:
1. The parties may agree in writing to modify the scope of the contract. An increase or decrease in the price of the contract resulting from such modification shall be agreed to by the parties as a part of their written agreement to modify the scope of the contract.
 2. The Purchasing Agency may order changes within the general scope of the contract at any time by written notice to the contractor. Changes within the scope of the contract include, but are not limited to, things such as services to be performed, the method of packing or shipment, and the place of delivery or installation. The contractor shall comply with the notice upon receipt. The contractor shall be compensated for any additional costs incurred as the result of such order and shall give the Purchasing Agency a credit for any savings. Said compensation shall be determined by one of the following methods:
 - a. By mutual agreement between the parties in writing; or
 - b. By agreeing upon a unit price or using a unit price set forth in the contract, if the work to be done can be expressed in units, and the contractor accounts for the number of units of work performed, subject to the Purchasing Agency's right to audit the contractor's records and/or to determine the correct number of units independently; or

c. By ordering the contractor to proceed with the work and keep a record of all costs incurred and savings realized. A markup for overhead and profit may be allowed if provided by the contract. The same markup shall be used for determining a decrease in price as the result of savings realized. The contractor shall present the Purchasing Agency with all vouchers and records of expenses incurred and savings realized. The Purchasing Agency shall have the right to audit the records of the contractor as it deems necessary to determine costs or savings. Any claim for an adjustment in price under this provision must be asserted by written notice to the Purchasing Agency within thirty (30) days from the date of receipt of the written order from the Purchasing Agency. If the parties fail to agree on an amount of adjustment, the question of an increase or decrease in the contract price or time for performance shall be resolved in accordance with the procedures for resolving disputes provided by the Disputes Clause of this contract or, if there is none, in accordance with the disputes provisions of the Commonwealth of Virginia Purchasing Manual for Institutions of Higher Education and their Vendors. Neither the existence of a claim nor a dispute resolution process, litigation or any other provision of this contract shall excuse the contractor from promptly complying with the changes ordered by the Purchasing Agency or with the performance of the contract generally.

P. DEFAULT: In case of failure to deliver goods or services in accordance with the contract terms and conditions, the Commonwealth, after due oral or written notice, may procure them from other sources and hold the contractor responsible for any resulting additional purchase and administrative costs. This remedy shall be in addition to any other remedies which the Commonwealth may have.

Q. INSURANCE: By signing and submitting a proposal under this solicitation, the offeror certifies that if awarded the contract, it will have the following insurance coverage at the time the contract is awarded. For construction contracts, if any subcontractors are involved, the subcontractor will have workers' compensation insurance in accordance with § 25 of the Rules Governing Procurement – Chapter 2, Exhibit J, Attachment 1, and 65.2-800 et. Seq. of the Code of Virginia (available for review at <http://www.jmu.edu/procurement>) The offeror further certifies that the contractor and any subcontractors will maintain these insurance coverage during the entire term of the contract and that all insurance coverage will be provided by insurance companies authorized to sell insurance in Virginia by the Virginia State Corporation Commission.

MINIMUM INSURANCE COVERAGES AND LIMITS REQUIRED FOR MOST CONTRACTS:

1. Workers' Compensation: Statutory requirements and benefits. Coverage is compulsory for employers of three or more employees, to include the employer. Contractors who fail to notify the Commonwealth of increases in the number of employees that change their workers' compensation requirement under the Code of Virginia during the course of the contract shall be in noncompliance with the contract.
2. Employer's Liability: \$100,000
3. Commercial General Liability: \$1,000,000 per occurrence and \$2,000,000 in the aggregate. Commercial General Liability is to include bodily injury and property damage, personal injury and advertising injury, products and completed operations coverage. The Commonwealth of Virginia must be named as an additional insured and so endorsed on the policy.

4. Automobile Liability: \$1,000,000 combined single limit. *(Required only if a motor vehicle not owned by the Commonwealth is to be used in the contract. Contractor must assure that the required coverage is maintained by the Contractor (or third party owner of such motor vehicle.)*

R. ANNOUNCEMENT OF AWARD: Upon the award or the announcement of the decision to award a contract over \$100,000, as a result of this solicitation, the purchasing agency will publicly post such notice on the DGS/DPS eVA web site (www.eva.virginia.gov) for a minimum of 10 days.

S. DRUG-FREE WORKPLACE: During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a contractor, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

T. NONDISCRIMINATION OF CONTRACTORS: An offeror, or contractor shall not be discriminated against in the solicitation or award of this contract because of race, religion, color, sex, sexual orientation, gender identity, national origin, age, disability, faith-based organizational status, any other basis prohibited by state law relating to discrimination in employment or because the offeror employs ex-offenders unless the state agency, department or institution has made a written determination that employing ex-offenders on the specific contract is not in its best interest. If the award of this contract is made to a faith-based organization and an individual, who applies for or receives goods, services, or disbursements provided pursuant to this contract objects to the religious character of the faith-based organization from which the individual receives or would receive the goods, services, or disbursements, the public body shall offer the individual, within a reasonable period of time after the date of his objection, access to equivalent goods, services, or disbursements from an alternative provider.

U. eVA BUSINESS TO GOVERNMENT VENDOR REGISTRATION, CONTRACTS, AND ORDERS: The eVA Internet electronic procurement solution, website portal www.eVA.virginia.gov, streamlines and automates government purchasing activities in the Commonwealth. The eVA portal is the gateway for vendors to conduct business with state agencies and public bodies. All vendors desiring to provide goods and/or services to the Commonwealth shall participate in the eVA Internet procurement solution by completing the free eVA Vendor Registration. All offerors must register in eVA and pay the Vendor Transaction Fees specified below; failure to register will result in the proposal being rejected. Vendor transaction fees are determined by the date the original purchase order is issued and the current fees are as follows:

Vendor transaction fees are determined by the date the original purchase order is issued and the current fees are as follows:

1. For orders issued July 1, 2014 and after, the Vendor Transaction Fee is:
 - a. Department of Small Business and Supplier Diversity (SBSD) certified Small Businesses: 1% capped at \$500 per order.
 - b. Businesses that are not Department of Small Business and Supplier Diversity (SBSD) certified Small Businesses: 1% capped at \$1,500 per order.
2. For orders issued prior to July 1, 2014 the vendor transaction fees can be found at www.eVA.virginia.gov.
3. The specified vendor transaction fee will be invoiced by the Commonwealth of Virginia Department of General Services approximately 60 days after the corresponding purchase order is issued and payable 30 days after the invoice date. Any adjustments (increases/decreases) will be handled through purchase order changes.

V. AVAILABILITY OF FUNDS: It is understood and agreed between the parties herein that the Commonwealth of Virginia shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.

W. PRICING CURRENCY: Unless stated otherwise in the solicitation, offerors shall state offered prices in U.S. dollars.

X. E-VERIFY REQUIREMENT OF ANY CONTRACTOR: Any employer with more than an average of 50 employees for the previous 12 months entering into a contract in excess of \$50,000 with James Madison University to perform work or provide services pursuant to such contract shall register and participate in the E-Verify program to verify information and work authorization of its newly hired employees performing work pursuant to any awarded contract.

Y. CIVILITY IN STATE WORKPLACES: The contractor shall take all reasonable steps to ensure that no individual, while performing work on behalf of the contractor or any subcontractor in connection with this agreement (each, a "Contract Worker"), shall engage in 1) harassment (including sexual harassment), bullying, cyber-bullying, or threatening or violent conduct, or 2) discriminatory behavior on the basis of race, sex, color, national origin, religious belief, sexual orientation, gender identity or expression, age, political affiliation, veteran status, or disability.

The contractor shall provide each Contract Worker with a copy of this Section and will require Contract Workers to participate in training on civility in the State workplace. Upon request, the contractor shall provide documentation that each Contract Worker has received such training.

For purposes of this Section, "State workplace" includes any location, permanent or temporary, where a Commonwealth employee performs any work-related duty or is representing his or her agency, as well as surrounding perimeters, parking lots, outside meeting locations, and means of travel to and from these locations. Communications are deemed to occur in a State workplace if the Contract Worker reasonably should know that the phone number, email, or other method of communication is associated with a State workplace or is associated with a person who is a State employee.

The Commonwealth of Virginia may require, at its sole discretion, the removal and replacement of any Contract Worker who the Commonwealth reasonably believes to have violated this Section.

This Section creates obligations solely on the part of the contractor. Employees or other third parties may benefit incidentally from this Section and from training materials or other communications distributed on this topic, but the Parties to this agreement intend this Section to be enforceable solely by the Commonwealth and not by employees or other third parties.

VIII. SPECIAL TERMS AND CONDITIONS

- A. AUDIT: The Contractor hereby agrees to retain all books, records, systems, and other documents relative to this contract for five (5) years after final payment, or until audited by the Commonwealth of Virginia, whichever is sooner. The Commonwealth of Virginia, its authorized agents, and/or State auditors shall have full access to and the right to examine any of said materials during said period.
- B. CANCELLATION OF CONTRACT: James Madison University reserves the right to cancel and terminate any resulting contract, in part or in whole, without penalty, upon 60 days written notice to the contractor. In the event the initial contract period is for more than 12 months, the resulting contract may be terminated by either party, without penalty, after the initial 12 months of the contract period upon 60 days written notice to the other party. Any contract cancellation notice shall not relieve the contractor of the obligation to deliver and/or perform on all outstanding orders issued prior to the effective date of cancellation.
- C. IDENTIFICATION OF PROPOSAL ENVELOPE: The signed proposal should be returned in a separate envelope or package, sealed and identified as follows:

From: _____

Name of Offeror	Due Date	Time
Street or Box No.	RFP #	
City, State, Zip Code	RFP Title	

Name of Purchasing Officer: _____

The envelope should be addressed as directed on the title page of the solicitation.

The Offeror takes the risk that if the envelope is not marked as described above, it may be inadvertently opened and the information compromised, which may cause the proposal to be disqualified. Proposals may be hand-delivered to the designated location in the office issuing the solicitation. No other correspondence or other proposals should be placed in the envelope.

- D. LATE PROPOSALS: To be considered for selection, proposals must be received by the issuing office by the designated date and hour. The official time used in the receipt of proposals is that time on the automatic time stamp machine in the issuing office. Proposals received in the issuing office after the date and hour designated are automatically non responsive and will not be considered. The University is not responsible for delays in the delivery of mail by the U.S. Postal Service, private couriers, or the intra university mail system. It is the sole responsibility of the Offeror to ensure that its proposal reaches the issuing office by the designated date and hour.

- E. UNDERSTANDING OF REQUIREMENTS: It is the responsibility of each offeror to inquire about and clarify any requirements of this solicitation that is not understood. The University will not be bound by oral explanations as to the meaning of specifications or language contained in this solicitation. Therefore, all inquiries deemed to be substantive in nature must be in writing and submitted to the responsible buyer in the Procurement Services Office. Offerors must ensure that written inquiries reach the buyer at least five (5) days prior to the time set for receipt of offerors proposals. A copy of all queries and the respective response will be provided in the form of an addendum to all offerors who have indicated an interest in responding to this solicitation. Your signature on your Offer certifies that you fully understand all facets of this solicitation. These questions may be sent via email directly to the Procurement Officer listed on the signature page of this solicitation or by Fax to 540/568-7935.
- F. RENEWAL OF CONTRACT: This contract may be renewed by the Commonwealth for a period of four (4) successive one year periods under the terms and conditions of the original contract except as stated in 1. and 2. below. Price increases may be negotiated only at the time of renewal. Written notice of the Commonwealth's intention to renew shall be given approximately 90 days prior to the expiration date of each contract period.
1. If the Commonwealth elects to exercise the option to renew the contract for an additional one-year period, the contract price(s) for the additional one year shall not exceed the contract price(s) of the original contract increased/decreased by no more than the percentage increase/decrease of the other services category of the CPI-W section of the Consumer Price Index of the United States Bureau of Labor Statistics for the latest twelve months for which statistics are available.
 2. If during any subsequent renewal periods, the Commonwealth elects to exercise the option to renew the contract, the contract price(s) for the subsequent renewal period shall not exceed the contract price(s) of the previous renewal period increased/decreased by more than the percentage increase/decrease of the other services category of the CPI-W section of the Consumer Price Index of the United States Bureau of Labor Statistics for the latest twelve months for which statistics are available.
- G. SUBMISSION OF INVOICES: All invoices shall be submitted within sixty days of contract term expiration for the initial contract period as well as for each subsequent contract renewal period. Any invoices submitted after the sixty day period will not be processed for payment.
- H. OPERATING VEHICLES ON JAMES MADISON UNIVERSITY CAMPUS: Operating vehicles on sidewalks, plazas, and areas heavily used by pedestrians is prohibited. In the unlikely event a driver should find it necessary to drive on James Madison University sidewalks, plazas, and areas heavily used by pedestrians, the driver must yield to pedestrians. For a complete list of parking regulations, please go to www.jmu.edu/parking; or to acquire a service representative parking permit, contact Parking Services at 540.568.3300. The safety of our students, faculty and staff is of paramount importance to us. Accordingly, violators may be charged.
- I. COOPERATIVE PURCHASING / USE OF AGREEMENT BY THIRD PARTIES: It is the intent of this solicitation and resulting contract(s) to allow for cooperative procurement. Accordingly, any public body, (to include government/state agencies, political subdivisions, etc.), cooperative purchasing organizations, public or private health or educational institutions or any University related foundation and affiliated corporations may access any resulting contract if authorized by the Contractor.

Participation in this cooperative procurement is strictly voluntary. If authorized by the Contractor(s), the resultant contract(s) will be extended to the entities indicated above to purchase goods and services in accordance with contract terms. As a separate contractual relationship, the participating entity will place its own orders directly with the Contractor(s) and shall fully and independently administer its use of the contract(s) to include contractual disputes, invoicing and payments without direct administration from the University. No modification of this contract or execution of a separate agreement is required to participate; however, the participating entity and the Contractor may modify the terms and conditions of this contract to accommodate specific governing laws, regulations, policies, and business goals required by the participating entity. Any such modification will apply solely between the participating entity and the Contractor.

The Contractor will notify the University in writing of any such entities accessing this contract. The Contractor will provide semi-annual usage reports for all entities accessing the contract. The University shall not be held liable for any costs or damages incurred by any other participating entity as a result of any authorization by the Contractor to extend the contract. It is understood and agreed that the University is not responsible for the acts or omissions of any entity and will not be considered in default of the contract no matter the circumstances.

Use of this contract(s) does not preclude any participating entity from using other contracts or competitive processes as needed.

J. SMALL BUSINESS SUBCONTRACTING AND EVIDENCE OF COMPLIANCE:

1. It is the goal of the Commonwealth that 42% of its purchases are made from small businesses. This includes discretionary spending in prime contracts and subcontracts. All potential offerors are required to submit a Small Business Subcontracting Plan. Unless the offeror is registered as a Department of Small Business and Supplier Diversity (SBSD)-certified small business and where it is practicable for any portion of the awarded contract to be subcontracted to other suppliers, the contractor is encouraged to offer such subcontracting opportunities to SBSD-certified small businesses. This shall not exclude SBSD-certified women-owned and minority-owned businesses when they have received SBSD small business certification. No offeror or subcontractor shall be considered a Small Business, a Women-Owned Business or a Minority-Owned Business unless certified as such by the Department of Small Business and Supplier Diversity (SBSD) by the due date for receipt of proposals. If small business subcontractors are used, the prime contractor agrees to report the use of small business subcontractors by providing the purchasing office at a minimum the following information: name of small business with the SBSD certification number or FEIN, phone number, total dollar amount subcontracted, category type (small, women-owned, or minority-owned), and type of product/service provided. **This information shall be submitted to: JMU Office of Procurement Services, Attn: SWAM Subcontracting Compliance, MSC 5720, Harrisonburg, VA 22807 or swamreporting@jmu.edu.**
2. Each prime contractor who wins an award in which provision of a small business subcontracting plan is a condition of the award, shall deliver to the contracting agency or institution with every request for payment, evidence of compliance (subject only to insubstantial shortfalls and to shortfalls arising from subcontractor default) with the small business subcontracting plan. **This information shall be submitted to: JMU Office of Procurement Services, SWAM Subcontracting Compliance, MSC 5720, Harrisonburg, VA 22807 or swamreporting@jmu.edu.** When such business has been subcontracted to these firms and upon completion of the contract, the contractor agrees to furnish the purchasing office at a minimum the following information: name of firm with

the Department of Small Business and Supplier Diversity (SBSD) certification number or FEIN number, phone number, total dollar amount subcontracted, category type (small, women-owned, or minority-owned), and type of product or service provided. Payment(s) may be withheld until compliance with the plan is received and confirmed by the agency or institution. The agency or institution reserves the right to pursue other appropriate remedies to include, but not be limited to, termination for default.

3. Each prime contractor who wins an award valued over \$200,000 shall deliver to the contracting agency or institution with every request for payment, information on use of subcontractors that are not Department of Small Business and Supplier Diversity (SBSD)-certified small businesses. When such business has been subcontracted to these firms and upon completion of the contract, the contractor agrees to furnish the purchasing office at a minimum the following information: name of firm, phone number, FEIN number, total dollar amount subcontracted, and type of product or service provided. **This information shall be submitted to: JMU Office of Procurement Services, Attn: SWAM Subcontracting Compliance, MSC 5720, Harrisonburg, VA 22807 or swamreporting@jmu.edu.**
- K. AUTHORIZATION TO CONDUCT BUSINESS IN THE COMMONWEALTH: A contractor organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law. Any business entity described above that enters into a contract with a public body shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth, if so required under Title 13.1 or Title 50, to be revoked or cancelled at any time during the term of the contract. A public body may void any contract with a business entity if the business entity fails to remain in compliance with the provisions of this section.
- L. PUBLIC POSTING OF COOPERATIVE CONTRACTS: James Madison University maintains a web-based contracts database with a public gateway access. Any resulting cooperative contract/s to this solicitation will be posted to the publicly accessible website. Contents identified as proprietary information will not be made public.
- M. CRIMINAL BACKGROUND CHECKS OF PERSONNEL ASSIGNED BY CONTRACTOR TO PERFORM WORK ON JMU PROPERTY: The Contractor shall obtain criminal background checks on all of their contracted employees who will be assigned to perform services on James Madison University property. The results of the background checks will be directed solely to the Contractor. The Contractor bears responsibility for confirming to the University contract administrator that the background checks have been completed prior to work being performed by their employees or subcontractors. The Contractor shall only assign to work on the University campus those individuals whom it deems qualified and permissible based on the results of completed background checks. Notwithstanding any other provision herein, and to ensure the safety of students, faculty, staff and facilities, James Madison University reserves the right to approve or disapprove any contract employee that will work on JMU property. Disapproval by the University will solely apply to JMU property and should have no bearing on the Contractor's employment of an individual outside of James Madison University.
- N. INDEMNIFICATION: Contractor agrees to indemnify, defend and hold harmless the Commonwealth of Virginia, its officers, agents, and employees from any claims, damages and actions of any kind or nature, whether at law or in equity, arising from or caused by the use of any materials, goods, or equipment of any kind or nature furnished by the contractor/any

services of any kind or nature furnished by the contractor, provided that such liability is not attributable to the sole negligence of the using agency or to failure of the using agency to use the materials, goods, or equipment in the manner already and permanently described by the contractor on the materials, goods or equipment delivered.

- O. ADDITIONAL GOODS AND SERVICES: The University may acquire other goods or services that the supplier provides than those specifically solicited. The University reserves the right, subject to mutual agreement, for the Contractor to provide additional goods and/or services under the same pricing, terms, and conditions and to make modifications or enhancements to the existing goods and services. Such additional goods and services may include other products, components, accessories, subsystems, or related services that are newly introduced during the term of this Agreement. Such additional goods and services will be provided to the University at favored nations pricing, terms, and conditions.
- P. ADVERTISING: In the event a contract is awarded for supplies, equipment, or services resulting from this proposal, no indication of such sales or services to James Madison University will be used in product literature or advertising without the express written consent of the University. The contractor shall not state in any of its advertising or product literature that James Madison University has purchased or uses any of its products or services, and the contractor shall not include James Madison University in any client list in advertising and promotional materials without the express written consent of the University.
- Q. FINAL INSPECTION: At the conclusion of the work, the contractor shall demonstrate to the authorized owner's representative that the work is fully operational and in compliance with contract specifications and codes. Any deficiencies shall be promptly and permanently corrected by the contractor at the contractor's sole expense prior to final acceptance of the work.
- R. PRIME CONTRACTOR RESPONSIBILITIES: The contractor shall be responsible for completely supervising and directing the work under this contract and all subcontractors that he may utilize, using his best skill and attention. Subcontractors who perform work under this contract shall be responsible to the prime contractor. The contractor agrees that he is as fully responsible for the acts and omissions of his subcontractors and of persons employed by them as he is for the acts and omissions of his own employees.
- S. WORK SITE DAMAGES: Any damage to existing utilities, equipment or finished surfaces resulting from the performance of this contract shall be repaired to the Commonwealth's satisfaction at the contractor's expense.
- T. STANDARDS OF CONDUCT: The work site will be occupied by students and University Personnel during the times work is performed. Contractor and Contractor's personnel shall exercise a particularly high level of discipline, safety, and cooperation at all times while on the job site. The Contractor shall be responsible for controlling employee conduct, for assuring that its employees are not boisterous or rude, and assuring that they are not engaging in any destructive or criminal activity. The Contractor is also responsible for ensuring that its employees do not disturb papers on desks, or open desk drawers, cabinets, or briefcases, or use State phones, and the like, except as authorized.
- U. WARRANTY (COMMERICAL): The contractor agrees that the goods or services furnished under any award resulting from this solicitation shall be covered by the most favorable commercial warranties the contractor gives any customer for such goods or services and that the rights and remedies provided therein are in addition to and do not limit those available to

the Commonwealth by any other clause of this solicitation. A copy of this warranty should be furnished with the proposal.

- V. KEYS: If the Contractor is given keys for this project, it is the Contractor's responsibility to return the keys when the contract is terminated, as well as for the safekeeping of the keys during the contract period. The Contractor shall not loan or duplicate the keys. In the event the Contractor loses the keys, they will be charged for the replacement of the keys and any locks which are rekeyed or replaced.
- W. CONTRACTOR/SUBCONTRACTOR LICENSE REQUIREMENT: By my signature on this solicitation, I certify that this firm/individual and subcontractor is properly licensed for providing the goods/services specified.

Contractor Name: _____ Subcontractor Name: _____

License # _____ Type _____

- X. EXCAVATION PERMIT: No digging, boring, or post driving is allowed on University property without prior written approval of the Physical Plant Engineering Office and the Telecommunications Office. Approval requires obtaining a JMU Excavation Permit with signatures from both offices a minimum of five days prior to excavation. In addition, any work within a City of Harrisonburg right-of-way requires a Permit from the City Engineer's office. The Permit(s) must be available for inspection at the job site during the excavation process. Failure to comply with these requirements will result in work shutdown, repair of damages by the Contractor, and may result in a fine, contract termination, and/or default. Information may be obtained by contacting Miss Utility.

IX. METHOD OF PAYMENT

The contractor will be paid based on invoices submitted in accordance with the solicitation and any negotiations. James Madison University recognizes the importance of expediting the payment process for our vendors and suppliers; we request that our vendors and suppliers enroll in our bank's Comprehensive Payable options: either the Virtual Payables Virtual Card or the PayMode-X electronic deposit (ACH) to your bank account so that future payments are made electronically. Contractors signed up for the Virtual Payables process will receive the benefit of being paid Net 15. Additional information is available online at:

<http://www.jmu.edu/financeoffice/accounting-operations-disbursements/cash-investments/vendor-payment-methods.shtml>

X. PRICING SCHEDULE

The offeror shall provide pricing for all products and services included in proposal indicating one-time and on-going costs. The resulting contract will be cooperative and pricing shall be inclusive for the attached Zone Map, of which JMU falls within Zone 2.

Specify any associated charge card processing fees, if applicable, to be billed to the university. Vendors shall provide their VISA registration number when indicating charge card processing fees. Any vendor requiring information on VISA registration may refer to

<https://usa.visa.com/support/small-business/regulations-fees.html> and for questions <https://usa.visa.com/dam/VCOM/global/support-legal/documents/merchant-surcharging-qa-for-web.pdf>.

Contractor shall indicate pricing for items on the following list and add any goods or services to this list deemed pertinent. Any additional items added to the pricelist shall be highlighted.

The contractor shall be responsible for the itemization and break down of all quotes and invoices based on pricing provided in the PRICING SCHEDULE.

	Normal Working	Emergency hours
Services		
Principal	per hour	
Certified Safety Professional/Sr. Project Manager	per hour	
Environmental Engineer/Professional Geologist	per hour	
Project Manager	per hour	
Equipment Manager	per hour	
Responsible Land Disturber	per hour	
Staff Geologist	per hour	
Environmental Scientist	per hour	
Draftsperson/ CADD Operator	per hour	
Field Technician	per hour	
Administrative/Documents Manager	per hour	
Supervisor	per hour	per hour
Laborer	per hour	per hour
Vacuum Truck and operator services	per hour	Daily Mobilization Fee:
Confined Space Entry cost per crew (#__ crew members)	per hour	Daily Mobilization Fee:
Liquids Hauling Charge	per gallon	
Solids Hauling Charge	per gallon	
Pressure Wash Fee	per event	
Equipment		
Trackhoe	per day	
Mini Excavator	per day	
Backhoe	per day	
Skid Steer	per day	
Single-axle dump	per day	
Tandem Axle Dump Truck	per day	
Service truck (4 hour minimum)	per day	
CCTV Equipment with Trailer	per day	
Dewatering Pump {6"} and Hoses	per day	
Chipper	per day	
Other Direct Costs		
Provide & install replacement backfill (compacted clay)	per ton	
Class I Rip Rap	per ton	
Clearing and Grubbing Crew cost per crew (#__ crew members)	per hour	Daily Mobilization Fee:
Erosion Control Mat with Staples	per roll	
Soil and water analysis {standard turnaround}		
-characterization		
-Total petroleum hydrocarbon (TPH)		
-Benzene, toluene, ethylbenzene, and xylenes (BTEX)		

XI. ATTACHMENTS

Attachment A: Offeror Data Sheet

Attachment B: Small, Women, and Minority-owned Business (SWaM) Utilization Plan

Attachment C: Standard Contract Sample

Attachment D: Zone Map

Attachment F: SWaM Sub-contractor Reporting Template

ATTACHMENT A

OFFEROR DATA SHEET

TO BE COMPLETED BY OFFEROR

1. QUALIFICATIONS OF OFFEROR: Offerors must have the capability and capacity in all respects to fully satisfy the contractual requirements.
2. YEARS IN BUSINESS: Indicate the length of time you have been in business providing these types of goods and services.

Years _____ Months _____

3. REFERENCES: Indicate below a listing of at least five (5) organizations, either commercial or governmental/educational, that your agency is servicing. Include the name and address of the person the purchasing agency has your permission to contact.

CLIENT	LENGTH OF SERVICE	ADDRESS	CONTACT PERSON/PHONE #
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4. List full names and addresses of Offeror and any branch offices which may be responsible for administering the contract.

5. RELATIONSHIP WITH THE COMMONWEALTH OF VIRGINIA: Is any member of the firm an employee of the Commonwealth of Virginia who has a personal interest in this contract pursuant to the [CODE OF VIRGINIA](#), SECTION 2.2-3100 – 3131?

YES NO

IF YES, EXPLAIN: _____

ATTACHMENT B

Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

Offeror Name: _____ Preparer Name: _____

Date: _____

Is your firm a **Small Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes _____ No _____

If yes, certification number: _____ Certification date: _____

Is your firm a **Woman-owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes _____ No _____

If yes, certification number: _____ Certification date: _____

Is your firm a **Minority-Owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes _____ No _____

If yes, certification number: _____ Certification date: _____

Is your firm a **Micro Business** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes _____ No _____

If yes, certification number: _____ Certification date: _____

Instructions: *Populate the table below to show your firm's plans for utilization of small, women-owned and minority-owned business enterprises in the performance of the contract. Describe plans to utilize SWAMs businesses as part of joint ventures, partnerships, subcontractors, suppliers, etc.*

Small Business: "Small business " means a business, independently owned or operated by one or more persons who are citizens of the United States or non-citizens who are in full compliance with United States immigration law, which, together with affiliates, has 250 or fewer employees, or average annual gross receipts of \$10 million or less averaged over the previous three years.

Woman-Owned Business Enterprise: A business concern which is at least 51 percent owned by one or more women who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more women, and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWAM Program, all certified women-owned businesses are also a small business enterprise.**

Minority-Owned Business Enterprise: A business concern which is at least 51 percent owned by one or more minorities or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more minorities and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWAM Program, all certified minority-owned businesses are also a small business enterprise.**

Micro Business is a certified Small Business under the SWaM Program and has no more than twenty-five (25) employees AND no more than \$3 million in average annual revenue over the three-year period prior to their certification.

All small, women, and minority owned businesses must be certified by the Commonwealth of Virginia Department of Small Business and Supplier Diversity (SBSD) to be counted in the SWAM program. Certification applications are available through SBSD at 800-223-0671 in Virginia, 804-786-6585 outside Virginia, or online at <http://www.sbsd.virginia.gov/> (Customer Service).

RETURN OF THIS PAGE IS REQUIRED

ATTACHMENT B (CNT'D)
Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

Procurement Name and Number: _____

Date Form Completed: _____

Listing of Sub-Contractors, to include, Small, Woman Owned and Minority Owned Businesses
 for this Proposal and Subsequent Contract

Offeror / Proposer: _____

_____ Firm _____ Address _____ Contact Person/No. _____

Sub-Contractor's Name and Address	Contact Person & Phone Number	SBSD Certification Number	Services or Materials Provided	Total Subcontractor Contract Amount (to include change orders)	Total Dollars Paid Subcontractor to date (to be submitted with request for payment from JMU)

(Form shall be submitted with proposal and if awarded, a SWaM Sub-contractor Reporting Form shall be submitted to swamreporting@jmu.edu)

RETURN OF THIS PAGE IS REQUIRED

ATTACHMENT C



COMMONWEALTH OF VIRGINIA
STANDARD CONTRACT

Contract No. _____

This contract entered into this _____ day of _____ 20____, by _____ hereinafter called the "Contractor" and Commonwealth of Virginia, James Madison University called the "Purchasing Agency".

WITNESSETH that the Contractor and the Purchasing Agency, in consideration of the mutual covenants, promises and agreements herein contained, agree as follows:

SCOPE OF CONTRACT: The Contractor shall provide the services to the Purchasing Agency as set forth in the Contract Documents.

PERIOD OF PERFORMANCE: From _____ through _____

The contract documents shall consist of:

- (1) This signed form;
- (2) The following portions of the Request for Proposals dated _____:
 - (a) The Statement of Needs,
 - (b) The General Terms and Conditions,
 - (c) The Special Terms and Conditions together with any negotiated modifications of those Special Conditions;
 - (d) List each addendum that may be issued
- (3) The Contractor's Proposal dated _____ and the following negotiated modification to the Proposal, all of which documents are incorporated herein.
 - (a) Negotiations summary dated _____.

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound thereby.

CONTRACTOR:

PURCHASING AGENCY:

By: _____
(Signature)

By: _____
(Signature)

(Printed Name)

(Printed Name)

Title: _____

Title: _____

ATTACHMENT D

Zone Map



Virginia Association of State College & University Purchasing Professionals (VASCUPP)

List of member institutions by zones

<u>Zone 1</u> George Mason University (Fairfax)	<u>Zone 2</u> James Madison University (Harrisonburg)	<u>Zone 3</u> University of Virginia (Charlottesville)
<u>Zone 4</u> University of Mary Washington (Fredericksburg)	<u>Zone 5</u> Christopher Newport University (Newport News) College of William and Mary (Williamsburg) Norfolk State University (Norfolk) Old Dominion University (Norfolk)	<u>Zone 6</u> Virginia Commonwealth University (Richmond) Virginia State University (Petersburg)
<u>Zone 7</u> Longwood University (Farmville)	<u>Zone 8</u> Virginia Military Institute (Lexington) Virginia Tech (Blacksburg) Radford University (Radford)	<u>Zone 9</u> University of Virginia - Wise (Wise)

YOU MAY CUT OUT THIS TEMPLATE & ATTACH TO YOUR ENVELOPE IF MAILING

Cut Here

Vendor Name

Vendor Mailing Address

Vendor's City, State & Zip

JAMES MADISON UNIVERSITY
PROCUREMENT SERVICES, MSC 5720
ATTN: Juan Becerra Martinez
752 OTT STREET, WINE PRICE BUILDING
HARRISONBURG, VA 22807
(or 22801 if using "Courier Service i.e. UPS, Fed-Ex, etc.)

SEALED PROPOSAL RESPONSE (If responding by mail or courier)

RFP NO: JBM-1249

DATE DUE: 03/17/2026 @ 2:00 p.m.

Response Checklist:

- Completed RFP (Answered questions on the statement of needs section, Pgs. 1-4 and completed Pricing Schedule, Pg.21-22)
- Signed form on second page of RFP titled "*REQUEST FOR PROPOSAL*"
- Completed Attachment A– Offeror Data Sheet
- Completed Attachment B – SwaM Utilization Plan
- Acknowledge Receipt of Addenda (if applicable)



February 23, 2026

**ADDENDUM NO.: ONE
TO ALL OFFERORS:**

REFERENCE: Request for Proposal No: **RFP# JBM-1249**
Dated: **February 17, 2026**
Commodity: **Stormwater Structures Maintenance**
RFP Closing On: **March 17, 2026 at 2:00 p.m. (Eastern)**

Please note the clarifications and/or changes made on this proposal program:

1. A nonmandatory site visit has been scheduled for Tuesday, March 3rd at 1:30 PM. Attendees must register with Juan Becerra Martinez at becer2jx@jmu.edu to arrange parking and a meeting site prior to the close of business (5:00 PM) on Monday, March 2nd, 2026.
2. See attached Stormwater BMP Map_2025. For more information on the Stormwater management facilities.

Signify receipt of this addendum by initialing “*Addendum #1*” on the signature page of your proposal.

Sincerely,

Juan Becerra Martinez,
Buyer Senior
Phone: (540-568-3130)

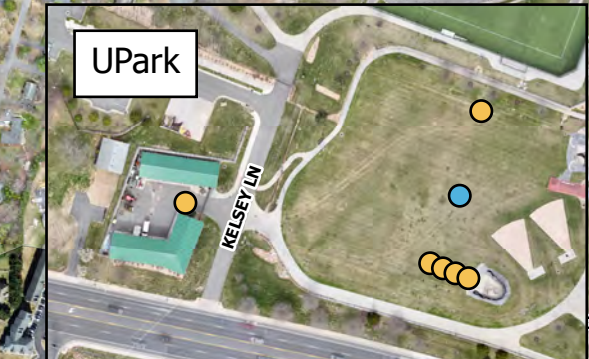
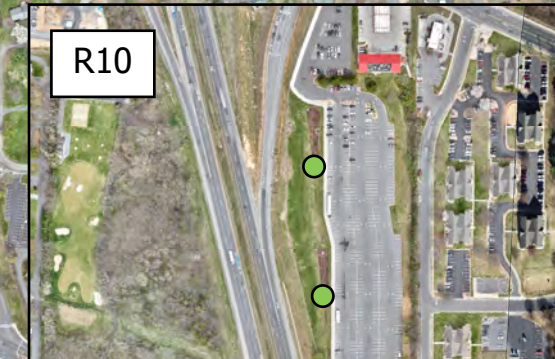
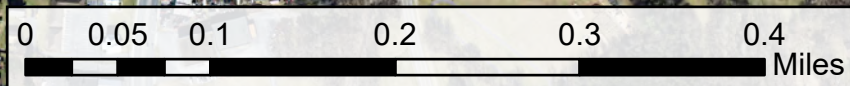
MSC 5720
752 Ott Street, Room 1042
Wine Price Building
Harrisonburg, VA 22807
Office of 540.568.3145 Phone
PROCUREMENT SERVICES 540.568.7935 Fax

Stormwater Management Facilities

Stormwater BMP Map_2025

- Bioretention (Rain Garden)
- Detention Basin (Underground/Dry Pond)
- Green Roof
- Manufactured Devices (HDS, OWS, Stormfilter, Filterra)
- Land Use Change
- Permeable Pavement
- Rainwater Harvesting
- Retention Pond/Wet Pond
- Sand Filter
- Stream Restoration

Emma Enright May 2025



Stormwater BMP Map_2025

There are many different types of stormwater Best Management Practices (BMP's). Some are designed to deal with water quantity and store stormwater runoff and release at a slower rate to reduce downstream flooding and erosion, while others are designed more for water quality and filter out potential pollutants that drain through the practice. And then there are some that do both! The following is a quick summary of stormwater BMP's that can be found on JMU's campus.

1. Bioretention filters, more commonly known as rain gardens, are constructed treatment areas that slowly release collected stormwater runoff and filters gathered pollutants naturally through plants, plant roots, mulch and bioengineered soil media. There are over 40 bioretention filters of various sizes located on JMU's campus.
2. Detention, or dry ponds, are constructed to provide general flood protection, collecting stormwater runoff and releasing it downstream at a slower rate helping reduce possible flooding downstream. There are 13 detention ponds located on JMU's campus.
3. Detention ponds can also be constructed underground in vaults and work the same as above ground, and generally go unnoticed. Most are a collection of concrete vaults, and there are 6 underground detention systems located on JMU's campus.
4. Green, or living roof, is a constructed roof with vegetation and soil media planted over a waterproof membrane. In addition to reducing the amount of runoff leaving a property, this practice also has additional benefits such as thermal reduction and energy conservation. There are two installations on JMU's campus, one of which is a demonstration area at Madison Union and one on the Bioscience building.
5. Hydrodynamic separators are manufactured structures that separates sediment and other pollutants as they flow through the structure. Collected sediment and debris will then need to be removed during maintenance cleanings. There are 13 hydrodynamic separators on JMU's campus.
6. Land use changes, or conservation landscaping, is the process of taking hardscape surfaces or typical "lawns" and changing the type of plants in the area to meadows and/or forests. JMU's East Campus Hillside Project has taken 3.6 acres of turf and made this change. Also throughout campus, vegetation has been allowed to grow adjacent to streams to provide a riparian buffer.
7. Oil/Water separators are an underground tank system installed to collect petroleum products in the case of a large accidental spill, thus preventing the product from getting into our local streams. JMU has three oil/water separators located at fueling facilities and underground fuel tanks.
8. Permeable pavement allows for infiltration of precipitation for hardscapes such as sidewalks, parking lots, and roadways. There is one installation of permeable pavers on JMU's campus located at parking lot A near Wilson Hall.
9. Rainwater harvesting is a process of capturing stormwater runoff and reusing it on-site. JMU has one installation of this practice on campus located at Wayland Hall.
10. Retention, or wet ponds work very similarly to dry ponds except they will have a permanent pool of water. There are two installations of this practice on JMU's campus located on East Campus.
11. Sand filters are another type of infiltration practice that works very similarly to bioretention filters except the media is mainly comprised of sand and the practices are not landscaped with the plants that are part of bioretentions. There is one installation of this practice on JMU's campus located below the UREC turf field.
12. Stormfilters are another manufactured filtering device that are installed underground and stormwater is filtered as it flows through the structure. There are 14 stormfilters installed on campus.
13. Stream restoration is the process of re-engineering the stream to include natural design concepts to help ensure bank stabilization and reconnect the stream to the floodplain. JMU has restored approximately 3,700 linear feet of stream through the campus.
14. Tree in a Box is another manufactured practice that basically puts a one-plant rain garden in a storm drain inlet. This will treat the first runoff from a storm event which will typically have the majority of fresh pollutants in the drainage area. There are 13 tree in a box units on campus.
15. Wetlands, or in this case constructed wetlands, are a natural biofilter installed to treat pollutants from stormwater runoff. Several "pocket" wetlands were installed along with the stream restoration work in the arboretum which also allows for additional connection to the floodplain and water storage and filtration during flooding events.





March 11, 2026

**ADDENDUM NO.: Two
TO ALL OFFERORS:**

REFERENCE: Request for Proposal No: **RFP# JBM-1249**
Dated: **February 17, 2026**
Commodity: **Stormwater Structures Maintenance**
RFP Closing On: **March 17, 2026 at 2:00 p.m. (Eastern)**

Please note the clarifications and/or changes made on this proposal program:

The following are additional questions/clarifications that were submitted in writing to the university. The responses were provided by the subject matter experts.

1. **Question:** Are there set intervals for maintenance of the campus BMPs or is this on call as needed?

Answer: Primarily on call as needed. We are working on getting certain BMPs, primarily the manufactured BMPs (Filterrras, HDS, Jellyfish, stormfilters, etc.) on a regular maintenance schedule per the manufacturer guidelines.

2. **Question:** Can we review internal BMP inspection reports?

Answer: Yes, those reports can be provided on an as needed basis.

3. **Question:** Is JMU Grounds Maintenance responsible for mulching BMP beds or is that part of this contract?

Answer: Typically, our Grounds staff mulch beds every year as a part of regular landscape maintenance work on campus. But it will depend on the BMP location, time of year, scope of maintenance work (ex. replanting versus pretreatment clean up), and the availability of Grounds staff ultimately.

4. **Question:** Please explain compensation for materials such as mulch, plants, trees, cartridges, etc.

Answer: It is up to the supplier to provide a breakdown of the per-unit cost of the materials in the pricing schedules; it can either be listed as other materials or be submitted in their own categories, depending on supplier classifications such as base rate per linear feet, per

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cartridge, per sqft, etc. when quoting/invoicing the supplier must provide a breakdown of labor hours and materials quoted/provided to the university.

5. **Question:** Can we develop a schedule for maintenance, e.g. Filterras twice annually as per the manufacturer?

Answer: Yes, we welcome development of schedules for maintenance of BMPs and we are working on developing one right now, especially for the manufactured BMPs. We cannot guarantee a committee to the schedule(s) proposed as funding for maintenance runs through an approval process internally in our department.

6. **Question:** Can we have copies of the as-built drawings for all of the BMPs?

Answer: As-builts can be provided as needed to assist with maintenance work. It should be noted that the older BMPs installed between 1990-2012 (circa before DEQ took over the SWM regs) do not have as detailed as-built documentation and some do not have any as-built documentation.

7. **Question:** What kind of maintenance items will be expected from us regarding the retention ponds?

Answer: Retention pond maintenance would involve mainly vegetative work such as woody plant removal on the embankments, aquatic bench plantings, invasive plant removal in pond buffer areas, etc. Dredging of pretreatment/forebays could also be expected but at a 5–10-year frequency.

Signify receipt of this addendum by initialing “*Addendum #2*” on the signature page of your proposal.

Sincerely,

A handwritten signature in black ink that reads "Juan Becerra Martinez". The signature is written in a cursive style with a horizontal line underneath the name.

Juan Becerra Martinez,
Buyer Senior
Phone: (540-568-3130)