

ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
2100 CLARENDON BOULEVARD, SUITE 500
ARLINGTON, VIRGINIA 22201

CONTRACT AWARD COVERPAGE

TO: APEX COMPANIES, LLC	DATE ISSUED: SEPTEMBER 8, 2020
9700 CAPITAL COURT, SUITE 100	CONTRACT NO: 21-DES-ITBLW-180
MANASSAS, VIRGINIA 20110	CONTRACT TITLE: INSPECTION, MAINTENANCE, AND REPAIR OF STORMWATER MANAGEMENT FACILITIES – VEGETATED AND PERMEABLE PAVEMENT

THIS IS A NOTICE OF AWARD OF CONTRACT AND NOT AN ORDER. NO WORK IS AUTHORIZED UNTIL THE VENDOR RECEIVES A VALID COUNTY PURCHASE ORDER ENCUMBERING CONTRACT FUNDS.

The contract documents consist of the terms and conditions of AGREEMENT No. 21-DES-ITBLW-180 including any attachments or amendments thereto.

EFFECTIVE DATE: SEPTEMBER 14, 2020

EXPIRES: SEPTEMBER 13, 2021

RENEWALS: FOUR (4), ONE (1) YEAR RENEWAL OPTIONS FROM SEPTEMBER 14, 2021 TO SEPTEMBER 13, 2025

COMMODITY CODE(S): 92600

LIVING WAGE: Y

ATTACHMENTS:

AGREEMENT NO. 21-DES-ITBLW-180

EMPLOYEES NOT TO BENEFIT:

NO COUNTY EMPLOYEE SHALL RECEIVE ANY SHARE OR BENEFIT OF THIS CONTRACT NOT AVAILABLE TO THE GENERAL PUBLIC.

VENDOR CONTACT: ANDREA OWEN HELLER

VENDOR TEL. NO.:

(703) 396-6730 EXT. 4303

EMAIL ADDRESS: ANDREA.HELLER@APEXCOS.COM

COUNTY CONTACT: CHRISTINE SIMPSON, DES, OFFICE OF
SUSTAINABILITY AND ENVIRONMENTAL MANAGEMENT

COUNTY TEL. NO.:

(703) 228-9499

COUNTY CONTACT EMAIL: CSIMPSON@ARLINGTONVA.US

PURCHASING DIVISION AUTHORIZATION

Kaylin Schreiber

Title: Procurement Officer

Date: 9/8/2020

**ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
SUITE 500, 2100 CLARENDON BOULEVARD
ARLINGTON, VA 22201**

AGREEMENT NO. 21-DES-ITBLW-180

THIS AGREEMENT is made, on September 14, 2020, between **Apex Companies, LLC**, 9700 Capital Court, Suite 100, Manassas, VA 20110 (“Contractor”), a Delaware Limited Liability Company authorized to do business in the Commonwealth of Virginia, and the County Board of Arlington County, Virginia (“County”). The County and the Contractor, for the consideration hereinafter specified, agree as follows:

1. CONTRACT DOCUMENTS

The “Contract Documents” consist of:

- Agreement No. 21-DES-ITBLW-180 and all modifications properly incorporated into the Agreement
- Exhibit A – Arlington County Invitation to Bid No. 21-DES-ITBLW-180, including all solicitation exhibits, attachments, and addenda herein incorporated by reference
- Exhibit B – Scope of Work
- Exhibit C – Price Bid of Contractor
- Exhibit D – Living Wage Forms

The Contract Documents set forth the entire agreement between the County and the Contractor. The County and the Contractor agree that no representative or agent of either party has made any representation or promise with respect to the parties’ agreement that is not contained in the Contract Documents. The Contract Documents may be referred to below as the “Contract” or the “Agreement”.

2. SCOPE OF WORK

The Contractor agrees to perform the services described in the Contract Documents (the “Work”), more particularly described in the Scope of Services included with the Invitation to Bid. The primary purpose of the Work is to provide inspection, maintenance, and repair of stormwater management facilities. The Contract Documents set forth the minimum work estimated by the County and the Contractor to be necessary to complete the Work. It will be the Contractor’s responsibility, at its sole cost, to provide the services set forth in the Contract Documents and sufficient services to fulfill the purposes of the Work. Nothing in the Contract Documents limits the Contractor's responsibility to manage the details and execution of the Work.

3. PROJECT OFFICER

The performance of the Contractor is subject to the review and approval of the County Project Officer, who will be appointed by the Director of the Arlington County department or agency requesting the Work under this Contract.

4. CONTRACT TERM

Time is of the essence. The Work will commence on September 14, 2020 and must be completed no later than September 13, 2021 ("Initial Contract Term"), subject to any modifications provided in the Contract Documents. Upon satisfactory performance by the Contractor the County may, through issuance of a

unilateral Notice of Award, authorize continuation of the Agreement under the same contract prices for not more than four (4) additional 12-month periods, from September 14, 2021 to September 13, 2025 (each a "Subsequent Contract Term"). The Initial Contract Term and any Subsequent Contract Term(s) are together the "Contract Term".

5. CONTRACT PRICING

Unless otherwise provided in the Contract Documents, the Contractor shall provide the goods and services covered in the County's Invitation to Bid No. 21-DES-ITBLW-180 at the prices provided in the bid of the Contractor.

6. CONTRACT PRICING WITH OPTIONAL PRICE ADJUSTMENTS

The Contract Amount/unit price(s) will remain firm until September 13, 2021 ("Price Adjustment Date"). To request a price adjustment, the Contractor or the County must submit a written request to the other party not less than 90 days before the Price Adjustment Date. Adjustments to the Contract Amount/unit price(s) will not exceed the percentage of change in the U.S. Department of Labor Consumer Price Index, All Items, Unadjusted, Urban Areas ("CPI-U") for the 12-month period ending in June of each year of the Contract.

Any Contract Amount/unit price(s) that result from this provision will become effective the day after the Price Adjustment Date and will be binding for 12 months. The new Price Adjustment Date will be 12 months after the price adjustment.

If the Contractor and the County have not agreed on a requested adjustment by 30 days before the Price Adjustment Date, the County may terminate the Contract, whether or not the County has previously elected to extend the Contract's term.

7. PAYMENT TERMS

The Contractor must submit invoices to the County's Project Officer, who will either approve the invoice or require corrections. Each invoice must certify that the invoice submitted is a true and accurate accounting of the work performed and goods and/or services provided and must be signed and attested to by the Contractor or authorized designee. The County will pay the Contractor within 45 days after receipt of an invoice for completed work that is reasonable and allocable to the Contract and that has been performed to the satisfaction of the Project Officer. The number of the County Purchase Order pursuant to which goods or services have been delivered or performed must appear on all invoices.

If the County makes a partial payment, it may retain 5% of the estimate upon which the partial payment is based until completion and final acceptance of the Work.

8. PAYMENT OF SUBCONTRACTORS

The Contractor is obligated to take one of the two following actions within seven days after receipt of payment by the County for work performed by any subcontractor under this Contract:

- a. Pay the subcontractor for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor under this Contract; or
- b. Notify the County and the subcontractor, in writing, of the Contractor's intention to withhold all or a part of the subcontractor's payment, with the reason for nonpayment.

The Contractor is obligated to pay interest to the subcontractor on all amounts owed by the Contractor to the subcontractor that remain unpaid after seven days following receipt by the Contractor of payment from the County for work performed by the subcontractor under this Contract, except for amounts withheld as allowed in subsection b., above. Unless otherwise provided under the terms of this Contract, interest will accrue at the rate of 1% per month.

The Contractor must include in each of its subcontracts, if any are permitted, a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.

The Contractor's obligation to pay an interest charge to a subcontractor pursuant to this section may not be construed to be an obligation of the County. A Contract modification may not be made for the purpose of providing reimbursement for such interest charge. A cost reimbursement claim may not include any amount for reimbursement for such interest charge.

9. NO WAIVER OF RIGHTS

The County's approval or acceptance of or payment for any goods or services under this Contract will not waive any rights or causes of action arising out of the Contract.

10. NON-APPROPRIATION

All payments by the County to the Contractor pursuant to this Contract are subject to the availability of an annual appropriation for this purpose by the County Board of Arlington County, Virginia ("Board"). In the event that the Board does not appropriate funds for the goods or services provided under this Contract, the County will terminate the Contract, without termination charge or other liability to the County, on the last day of the fiscal year or when the previous appropriation has been spent, whichever event occurs first.

11. ESTIMATED QUANTITIES/NON-EXCLUSIVITY OF CONTRACTOR

This Contract does not obligate the County to purchase a specific quantity of items or services during the Contract Term. Any quantities that are included in the Contract Documents are the present expectations of the County for the period of the Contract; and the County is under no obligation to buy that or any amount as a result of having provided this estimate or of having had any normal or otherwise measurable requirement in the past. The County may require more goods and/or services than the estimated annual quantities, and any such additional quantities will not give rise to any claim for compensation other than at the unit prices and/or rates in the Contract.

The County does not guarantee that the Contractor will be the exclusive provider of the goods or services covered by this Contract. The items or services covered by this Contract may be or become available under other County contract(s), and the County may determine that it is in its best interest to procure the items or services through those contract(s).

12. COUNTY PURCHASE ORDER REQUIREMENT

County purchases are authorized only if the County issues a Purchase Order in advance of the transaction, indicating that the ordering County agency has sufficient funds available to pay for the purchase. If the Contractor provides goods or services without a signed County Purchase Order, it does so at its own risk and expense. The County will not be liable for payment for any purchases made by its employees that are not authorized by the County Purchasing Agent.

13. DELIVERY

All goods are purchased F.O.B. destination in Arlington County as described in the specifications. Transportation, handling and all related charges are included in the unit prices or discounts that the Contractor submitted with its bid.

14. WARRANTY

The Contractor guarantees against and will correct at its expense factory defects that occur during the manufacturer's standard warranty period. The Contractor will provide all manufacturers' warranties at the time of delivery.

All work is guaranteed by the Contractor against defects resulting from the use of inferior or faulty materials or workmanship for one (1) year from the date of final acceptance of the work by the County. No date other than the date of final acceptance shall govern the effective date of the Guaranty, unless that date is agreed upon by the County and the Contractor in advance and in a signed writing.

15. INSPECTION, ACCEPTANCE, TITLE, AND RISK OF LOSS

The County will inspect all materials at the delivery location within ten days of delivery and may test the goods at its sees fit before accepting them.

The Contractor warrants that it has good title to and will require all subcontractors to warrant that they have good title to, all delivered goods.

The Contractor bears title and risk of loss or damage to all delivered goods until the County accepts them.

Neither the Contractor nor any subcontractor may retain any interest in the goods after the County accepts them.

16. DAMAGE TO PROPERTY

Any damage, as determined by the Project Officer, to the real or personal property, whether owned by the County or others, resulting from the Work performed under this Contract shall be timely repaired or replaced to the County's satisfaction at the Contractor's expense. The County will perform the repairs unless the County agrees that such repairs will be made by the Contractor. Any such Contractor repairs will be made within ten (10) days of the date of damage to the satisfaction of the County. All costs of the repair performed by the County shall be deducted from the Contractor's final payment.

17. CLEANING UP

The Contractor shall remove, as frequently as necessary, all refuse, rubbish, scrap materials and debris from any and all work sites to the extent that the trash is the result of the Contractor's operations, to the end that any and all work sites shall present a neat, orderly, and workmanlike appearance at all times. At completion of the Work, but before final acceptance, the Contractor shall remove all surplus material, falsework, temporary structures including foundations thereof, and debris of every nature resulting from the Contractor's operations or resulting from any activity on the site related to the Contractor's operations and put the site in a neat, orderly condition; if the Contractor fails to do so, the County shall have the right to remove the surplus material, falsework, temporary structures including foundations thereof, and debris, put the site in a neat, orderly condition, and charge the cost to the Contractor. The County shall be entitled to offset such cost against any sums owed by the County to the Contractor under this Contract.

18. DISPOSAL OF PACKING MATERIALS, TRASH AND DEBRIS

The Contractor must, at its expense and without using any County waste containers, immediately remove and legally dispose of off-site all packing materials, trash and debris ("Waste"). Otherwise, the County will contract a third party to dispose of the Waste and will deduct the expense from the final payment to the Contractor.

The County will deduct from the final payment the expense to repair any damage to County-owned or-controlled property that the Contractor or its agents cause, unless the County agrees that the Contractor can make the repairs, in which case the Contractor must make the repairs at its expense within ten days of the damage and to the satisfaction of the County.

19. OSHA REQUIREMENTS

The Contractor certifies that all material supplied or used under this Contract meets all federal and state Occupational Safety and Health Administration ("OSHA") requirements. If the material does not meet the OSHA requirements, the Contractor will bear all costs necessary to bring the material into compliance.

20. HAZARDOUS MATERIALS

The Contractor must comply with all federal, state, and local laws governing the storage, transportation, and use of toxic and hazardous materials. The County is subject to the Hazard Communication Standard, 29 CFR § 1910.1200 ("Standard"). The Contractor will provide, no later than delivery or first use of the materials, Material Safety Data Sheets ("MSDS") for all hazardous materials supplied to the County or used in the performance of the Work. The Contractor will also ensure that all shipping and internal containers bear labels that meets the requirements of the Standard. The County may refuse shipments of hazardous materials that are not appropriately labeled or for which the Contractor has not timely provided MSDS. The Contractor must pay any expenses that it or the County incurs as a result of the County's refusal of goods under this section or rejection of MSDS.

21. HAZARDOUS WASTE GENERATOR/HAZARDOUS WASTE DISPOSAL

The County and the Contractor shall be listed as co-generators. The Contractor assumes all duties pertaining to the waste generator, including signing the Waste Shipment Record ("WSR") and manifest. The Contractor shall supply the County Project Officer with the executed original Owner's Copy of the WSR, as required by applicable regulatory agencies within thirty-five (35) days from the time the waste was accepted by the initial waste transporter, and prior to request for final payment. A separate WSR shall be submitted for each shipment to the disposal site.

Delayed Waste Shipment Records: The Contractor shall report in writing to the EPA Region III office within forty-five (45) days if an executed copy of the WSR is not received from the operator of the disposal site. The report to the EPA regional office shall include a copy of the original WSR and a cover letter signed by the Contractor stating the efforts taken to locate the hazardous waste shipment and the results of those efforts.

Temporary Hazardous Waste Storage Prohibited: The Contractor shall not temporarily store hazardous waste unless pre-approved by the County. If so approved, hazardous waste stored off-site in a temporary facility shall be monitored and records shall be kept on the number of containers, size, and weight. The Contractor shall inform the County when the hazardous waste is to be transported to the final disposal site. The County has the right to inspect the temporary site at any time. The Contractor shall submit copies of all relevant manifests, WSRs, and landfill receipts to the County Project Officer prior to the request for final payment. All paperwork shall be signed by the Contractor and disposal site operator as required.

22. PROHIBITION AGAINST ASBESTOS-CONTAINING MATERIALS

No goods, equipment or material that the Contractor or its subcontractor provides, or installs may contain asbestos. The Contractor must remove any asbestos-containing goods, equipment and material at its sole cost, which includes worker protection and legal disposal, and must reimburse the County for the replaced goods, equipment and material. The County may offset these costs and reimbursement against any amounts that it owes the Contractor.

23. SAFETY

The Contractor shall comply with, and ensure that the Contractor's employees and subcontractors comply with, all current applicable local, state and federal policies, regulations and standards relating to safety and health, including, by way of illustration and not limitation, the standards of the Virginia Occupational Safety and Health program of the Department of Labor and Industry for General Industry and for the Construction Industry, the Federal Environmental Protection Agency standards and the applicable standards of the Virginia Department of Environmental Quality.

The Contractor shall provide, or cause to be provided, all technical expertise, qualified personnel, equipment, tools and material to safely accomplish the work specified to be performed by the Contractor and subcontractor(s).

The Contractor shall identify to the County Project Officer at least one on-site person who is the Contractor's competent, qualified, and authorized person on the worksite and who is, by training or experience, familiar with and trained in policies, regulations and standards applicable to the work being performed. The competent, qualified and authorized person must be capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous or dangerous to employees, shall be capable of ensuring that applicable safety regulations are complied with, and shall have the authority and responsibility to take prompt corrective measures, which may include removal of the Contractor's personnel from the work site.

The Contractor shall provide to the County, at the County's request, a copy of the Contractor's written safety policies and safety procedures applicable to the scope of work. Failure to provide this information within seven (7) days of the County's request may result in cancellation of the contract.

24. FAILURE TO DELIVER

If the Contractor fails to deliver goods or services in accordance with the Contract terms and conditions, the County, after notice to the Contractor, may procure the goods or services from other sources and hold the Contractor responsible for any resulting additional purchase and administrative costs. The County shall be entitled to offset such costs against any sums owed by the County to the Contractor. However, if public necessity requires the use of nonconforming materials or supplies, they may be accepted at a reduction in price to be determined solely by the County.

25. UNSATISFACTORY WORK

The Contractor must within 15 days of written notice from the County remove and replace, at its expense, any goods that the County rejects as unsatisfactory. Otherwise, the County may choose to remove or replace the rejected goods at the Contractor's expense. The County may offset the costs against any amounts that it owes the Contractor. The County may also decide not to remove or replace the unsatisfactory goods and instead to adjust the Contract Amount to account for the unsatisfactory

performance. This paragraph applies throughout the Contract Term and any warranty or guarantee period.

26. PROJECT STAFF

The County has the right to reasonably reject staff or subcontractors whom the Contractor assigns to the Project. The Contractor must then provide replacement staff or subcontractors satisfactory to the County in a timely manner and at no additional cost to the County. The day-to-day supervision and control of the Contractor's employees and its subcontractors is the sole responsibility of the Contractor.

27. SUPERVISION BY CONTRACTOR

The Contractor shall at all times enforce strict discipline and good order among the employees and subcontractors performing under this Contract and shall not employ on the Work any person not reasonably proficient in the work assigned.

28. EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED

During the performance of its work pursuant to this Contract:

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age or disability or on any other basis prohibited by state law. 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. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation will be deemed sufficient for meeting the requirements of this section.
- C. The Contractor will state in all solicitations or advertisements for employees that it places or causes to be placed that such Contractor is an Equal Opportunity Employer.
- D. The Contractor will comply with the provisions of the Americans with Disabilities Act of 1990 ("ADA"), which prohibits discrimination against individuals with disabilities in employment and mandates that disabled individuals be provided access to publicly and privately provided services and activities.
- E. The Contractor must include the provisions of the foregoing paragraphs in every subcontract or purchase order of more than \$10,000.00 relating to this Contract so that the provisions will be binding upon each subcontractor or vendor.

29. EMPLOYMENT OF UNAUTHORIZED ALIENS PROHIBITED

In accordance with §2.2-4311.1 of the Code of Virginia, as amended, the Contractor must not during the performance of this Contract knowingly employ an unauthorized alien, as that term is defined in the federal Immigration Reform and Control Act of 1986.

30. DRUG-FREE WORKPLACE TO BE MAINTAINED BY CONTRACTOR

During the performance of this Contract, the Contractor must: (i) provide a drug-free workplace for its 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 violating 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 more than \$10,000.00 relating to this Contract so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "workplace" means the site(s) for the performance of the work required by this Contract.

31. TERMINATION

The County may terminate this Contract at any time as follows: (1) for cause, if, as determined by the County, the Contractor is in breach or default or has failed to perform the Work satisfactorily; or (2) for the convenience of the County.

Upon receipt of a notice of termination, the Contractor must not place any further orders or subcontracts for materials, services or facilities; must terminate all vendors and subcontracts, except as are necessary for the completion of any portion of the Work that the County did not terminate; and must immediately deliver all documents related to the terminated Work to the County.

Any purchases that the Contractor makes after the notice of termination will be the sole responsibility of the Contractor, unless the County has approved the purchases in writing as necessary for completion of any portion of the Work that the County did not terminate.

If any court of competent jurisdiction finds a termination for cause by the County to be improper, then the termination will be deemed a termination for convenience.

A. TERMINATION FOR CAUSE, INCLUDING BREACH AND DEFAULT; CURE

1. Termination for Unsatisfactory Performance. If the County determines that the Contractor has failed to perform satisfactorily, then the County will give the Contractor written notice of such failure(s) and the opportunity to cure them within 15 days or any other period specified by the County ("Cure Period"). If the Contractor fails to cure within the Cure Period, the County may terminate the Contract for failure to provide satisfactory performance by providing written notice with a termination date. The Contractor must submit any request for termination costs, with all supporting documentation, to the County Project Officer within 30 days after the expiration of the Cure Period. The County may accept or reject the request for termination costs, in whole or in part, and may notify the Contractor of its decision within a reasonable time.

In the event of termination by the County for failure to perform satisfactorily, the Contractor must continue to provide its services as previously scheduled through the termination date, and the County must continue to pay all fees and charges incurred through the termination date.

2. Termination for Breach or Default. If the County terminates the Contract for default or breach of any Contract provision or condition, then the termination will be immediate after notice of termination to the Contractor (unless the County provides for an opportunity to cure), and the Contractor will not be permitted to seek termination costs.

Upon any termination pursuant to this section, the Contractor will be liable to the County for costs that the County must expend to complete the Work, including costs resulting from any related delays and from unsatisfactory or non-compliant work performed by the Contractor or its subcontractors. The County will deduct such costs from any amount due to the Contractor; or if the County does not owe the Contractor, the Contractor must promptly pay the costs within 15 days of a demand by the County. This section does not limit the County's recovery of any other damages to which it is entitled by law.

Except as otherwise directed by the County, the Contractor must stop work on the date of receipt the notice of the termination.

B. TERMINATION FOR THE CONVENIENCE OF THE COUNTY

The County may terminate this Contract in whole or in part whenever the Purchasing Agent determines that termination is in the County's best interest. The County will give the Contractor at least 15 days' notice in writing. The notice must specify the extent to which the Contract is terminated and the effective termination date. The Contractor will be entitled to termination costs plus any other reasonable amounts that the parties might negotiate; but no amount will be allowed for anticipatory profits.

Except as otherwise directed by the County, the Contractor must stop work on the date of receipt of the notice of the termination.

32. INDEMNIFICATION

The Contractor covenants for itself, its employees and its subcontractors to save, defend, hold harmless and indemnify the County and all of its elected and appointed officials, officers, current and former employees, agents, departments, agencies, boards and commissions (collectively the "County Indemnitees") from and against any and all claims made by third parties for any and all losses, damages, injuries, fines, penalties, costs (including court costs and attorneys' fees), charges, liability, demands or exposure resulting from, arising out of or in any way connected with the Contractor's acts or omissions, including the acts or omissions of its employees and/or subcontractors, in performance or nonperformance of the Contract. This duty to save, defend, hold harmless and indemnify will survive the termination of this Contract. If the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor must reimburse the County for any and all resulting payments and expenses, including reasonable attorneys' fees. The Contractor must pay such expenses upon demand by the County, and failure to do so may result in the County withholding such amounts from any payments to the Contractor under this Contract.

The Contractor agrees to defend, indemnify, and hold harmless County from any and all damages, costs, claims, expenses, suits, losses, liabilities, or obligations of any kind including without limitation, environmental assessments, evaluations, remediations, fines, penalties, and clean-up costs which may be asserted against or imposed upon, or incurred by County arising from Contractor's discharge or disposal of any hazardous or toxic materials, trash, debris, refuse, waste or other materials ("Materials") related in any way to contractor's operations herein.

33. INTELLECTUAL PROPERTY INDEMNIFICATION

The Contractor warrants and guarantees that in providing services under this Contract neither the Contractor nor any subcontractor is infringing on the intellectual property rights (including, but not limited to, copyright, patent, mask and trademark) of third parties.

If the Contractor or any of its employees or subcontractors uses any design, device, work or material that is covered by patent or copyright, it is understood that the Contract Amount includes all royalties, licensing fees, and any other costs arising from such use in connection with the Work under this Contract.

The Contractor covenants for itself, its employees and its subcontractors to save, defend, hold harmless, and indemnify the County Indemnitees, as defined above, from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorneys' fees), charges, liability or exposure for infringement of or on account of any trademark, copyright, patented or unpatented invention, process or article manufactured or used in the performance of this Contract. This duty to save, defend, hold harmless and indemnify will survive the termination of this Contract. If the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor must reimburse the County for any and all resulting payments and expenses, including reasonable attorneys' fees. The Contractor must pay such expenses upon demand by the County, and failure to do so may result in the County withholding such amounts from any payments to the Contractor under this Contract.

34. COPYRIGHT

By this Contract, the Contractor irrevocably transfers, assigns, sets over and conveys to the County all rights, title and interest, including the sole exclusive and complete copyright interest, in any and all copyrightable works created pursuant to this Contract. The Contractor will execute any documents that the County requests to formalize such transfer or assignment.

The rights granted to the County by this section are irrevocable and may not be rescinded or modified, including in connection with or as a result of the termination of or a dispute concerning this Contract.

The Contractor may not use subcontractors or third parties to develop or provide input into any copyrightable materials produced pursuant to this Contract without the County's advance written approval and unless the Contractor includes this Copyright provision in any contract or agreement with such subcontractors or third parties related to this Contract.

35. OWNERSHIP AND RETURN OF RECORDS

This Contract does not confer on the Contractor any ownership rights or rights to use or disclose the County's data or inputs.

All drawings, specifications, blueprints, data, information, findings, memoranda, correspondence, documents or records of any type, whether written, oral or electronic, and all documents generated by the Contractor or its subcontractors as a result of this Contract (collectively "Records") are the exclusive property of the County and must be provided or returned to the County upon completion, termination, or cancellation of this Contract. The Contractor will not use or willingly cause or allow such materials to be used for any purpose other than performance of this Contract without the written consent of the County.

The Records are confidential, and the Contractor will neither release the Records nor share their contents. The Contractor will refer all inquiries regarding the status of any Record to the Project Officer or to his or her designee. At the County's request, the Contractor will deliver all Records, including hard copies of electronic records, to the Project Officer and will destroy all electronic Records.

The Contractor agrees to include the provisions of this section as part of any contract or agreement related to this Contract into which it enters with subcontractors or other third parties.

The provisions of this section will survive any termination or cancellation of this Contract.

36. CONFIDENTIAL INFORMATION

The Contractor and its employees, agents and subcontractors will hold as confidential all County information obtained under this Contract. Confidential information includes, but is not limited to, nonpublic personal information; personal health information (PHI); social security numbers; addresses; dates of birth; other contact information or medical information about a person; and information pertaining to products, operations, systems, customers, prospective customers, techniques, intentions, processes, plans and expertise. The Contractor must take reasonable measures to ensure that all of its employees, agents and subcontractors are informed of and abide by this requirement.

37. ETHICS IN PUBLIC CONTRACTING

This Contract incorporates by reference Article 9 of the Arlington County Purchasing Resolution, as well as all state and federal laws related to ethics, conflicts of interest or bribery, including the State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq.), the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.) and Articles 2 and 3 of Chapter 10 of Title 18.2 of the Code of Virginia, as amended (§ 18.2-438 et seq.). The Contractor certifies that its bid was made without collusion or fraud; that it has not offered or received any kickbacks or inducements from any other offeror, supplier, manufacturer or subcontractor; and that it has not conferred on any public employee having official responsibility for this procurement 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.

38. COUNTY EMPLOYEES

No Arlington County employee may share in any part of this Contract or receive any benefit from the Contract that is not available to the general public.

39. FORCE MAJEURE

Neither party will be held responsible for failure to perform the duties and responsibilities imposed by this Contract if such failure is due to a fire, riot, rebellion, natural disaster, war, act of terrorism or act of God that is beyond the control of the party and that makes performance impossible or illegal, unless otherwise specified in the Contract.

40. AUTHORITY TO TRANSACT BUSINESS

The Contractor must, pursuant to Code of Virginia § 2.2-4311.2, be and remain authorized to transact business in the Commonwealth of Virginia during the entire term of this Contract. Otherwise, the Contract is voidable at the sole option of and with no expense to the County.

41. RELATION TO COUNTY

The Contractor is an independent contractor, and neither the Contractor nor its employees or subcontractors will be considered employees, servants or agents of the County. The County will not be responsible for any negligence or other wrongdoing by the Contractor or its employees, servants or agents. The County will not withhold payments to the Contractor for any federal or state unemployment taxes, federal or state income taxes or Social Security tax or for any other benefits. The County will not provide to the Contractor any insurance coverage or other benefits, including workers' compensation.

42. ANTITRUST

The Contractor conveys, sells, assigns and transfers to the County all rights, title and interest in and to all causes of action under state or federal antitrust laws that the Contractor may have relating to this Contract.

43. REPORT STANDARDS

The Contractor must submit all written reports required by this Contract for advance review in a format approved by the Project Officer. Reports must be accurate and grammatically correct and should not contain spelling errors. The Contractor will bear the cost of correcting grammatical or spelling errors and inaccurate report data and of other revisions that are required to bring the report(s) into compliance with this section.

Whenever possible, proposals must comply with the following guidelines:

- printed double-sided on at least 30% recycled-content and/or tree-free paper
- recyclable and/or easily removable covers or binders made from recycled materials (proposals with glued bindings that meet all other requirements are acceptable)
- avoid use of plastic covers or dividers
- avoid unnecessary attachments or documents or superfluous use of paper (e.g. separate title sheets or chapter dividers)

44. AUDIT

The Contractor may be requested to provide to the County the complete findings and all components of an independent certified public accountant's audit of its finances and program operation within two months after the close of Contractor's fiscal year. If a management letter was not prepared with the audit, the Contractor must so certify in writing as part of the audit report to the County. The Contractor must allow the County to review its records as the County deems necessary for audit purposes within 15 calendar days of the County's receipt of the findings. All accounts of the Contractor are subject to audit.

The Contractor must retain all books, records and other documents related to this Contract for at least five years after the final payment and must allow the County or its authorized agents to examine the documents during this period and during the Contract Term. The Contractor must provide any requested documents to the County for examination within 15 days of the request, at the Contractor's expense. Should the County's examination reveal any overcharging by the Contractor, the Contractor must, within 30 days of County's request, reimburse the County for the overcharges and for the reasonable costs of the County's examination, including, but not limited to, the services of external audit firm and attorney's fees; or the County may deduct the overcharges and examination costs from any amount that the County owes to the Contractor. If the Contractor wishes to destroy or dispose of any records related to this Contract (including confidential records to which the County does not have ready access) within five years after the final payment, the Contractor must give the County at least 30 days' notice and must not dispose of the documents if the County objects.

45. ASSIGNMENT

The Contractor may not assign, transfer, convey or otherwise dispose of any award or any of its rights, obligations or interests under this Contract without the prior written consent of the County.

46. AMENDMENTS

This Contract may not be modified except by written amendment executed by persons duly authorized to bind the Contractor and the County.

47. ARLINGTON COUNTY PURCHASING RESOLUTION AND COUNTY POLICIES

Nothing in this Contract waives any provision of the Arlington County Purchasing Resolution, which is incorporated herein by reference, or any applicable County policy.

48. DISPUTE RESOLUTION

All disputes arising under this Agreement or concerning its interpretation, whether involving law or fact and including but not limited to claims for additional work, compensation or time, and all claims for alleged breach of contract must be submitted in writing to the Project Officer as soon as the basis for the claim arises. In accordance with the Arlington County Purchasing Resolution, claims denied by the Project Officer may be submitted to the County Manager in writing no later than 60 days after the final payment. The time limit for a final written decision by the County Manager is 30 days. Procedures concerning contractual claims, disputes, administrative appeals and protests are contained in the Arlington County Purchasing Resolution. The Contractor must continue to work as scheduled pending a decision of the Project Officer, County Manager, County Board or a court of law.

49. APPLICABLE LAW, FORUM, VENUE AND JURISDICTION

This Contract is governed in all respects by the laws of the Commonwealth of Virginia; and the jurisdiction, forum and venue for any litigation concerning the Contract or the Work is in the Circuit Court for Arlington County, Virginia, and in no other court.

50. ARBITRATION

No claim arising under or related to this Contract may be subject to arbitration.

51. NONEXCLUSIVITY OF REMEDIES

All remedies available to the County under this Contract are cumulative, and no remedy will be exclusive of any other at law or in equity.

52. NO WAIVER

The failure to exercise a right provided for in this Contract will not be a subsequent waiver of the same right or of any other right.

53. SEVERABILITY

The sections, paragraphs, clauses, sentences, and phrases of this Contract are severable; and if any section, paragraph, clause, sentence or phrase of this Contract is declared invalid by a court of competent jurisdiction, the rest of the Contract will remain in effect.

54. NO WAIVER OF SOVEREIGN IMMUNITY

Notwithstanding any other provision of this Contract, nothing in this Contract or any action taken by the County pursuant to this Contract shall constitute or be construed as a waiver of either the sovereign or governmental immunity of the County. The parties intend for this provision to be read as broadly as possible.

55. ATTORNEY'S FEES

In the event that the County prevails in any legal action or proceeding brought by the County to enforce any provision of this Contract, the Contractor will pay the County's reasonable attorney's fees and expenses.

56. SURVIVAL OF TERMS

In addition to any statement that a specific term or paragraph survives the expiration or termination of this Contract, the following sections also survive: INDEMNIFICATION; INTELLECTUAL PROPERTY INDEMNIFICATION; RELATION TO COUNTY; OWNERSHIP AND RETURN OF RECORDS; AUDIT; COPYRIGHT; WARRANTY; DISPUTE RESOLUTION; APPLICABLE LAW AND JURISDICTION; ATTORNEY'S FEES, AND CONFIDENTIAL INFORMATION.

57. HEADINGS

The section headings in this Contract are inserted only for convenience and do not affect the substance of the Contract or limit the sections' scope.

58. AMBIGUITIES

The parties and their counsel have participated fully in the drafting of this Agreement; and any rule that ambiguities are to be resolved against the drafting party does not apply. The language in this Agreement is to be interpreted as to its plain meaning and not strictly for or against any party.

59. NOTICES

Unless otherwise provided in writing, all legal notices and other communications required by this Contract are deemed to have been given when either (a) delivered in person; (b) delivered by an agent, such as a delivery service; or (c) deposited in the United States mail, postage prepaid, certified or registered and addressed as follows:

TO THE CONTRACTOR:

Andrea O. Heller, CHMM, Division Manager
Apex Companies, LLC
9700 Capital Court, Suite 100
Manassas, Virginia 20110
Phone: (703) 396-6730 ext. 4303
Email: andrea.heller@apexcos.com

TO THE COUNTY:

Christine Simpson, Project Officer
Arlington County, Virginia
2100 Clarendon Blvd., Suite 705
Arlington, VA 22201
Phone: (703) 477-9499
Email: csimpson@arlingtonva.us

AND

Sharon Lewis, Purchasing Agent
Arlington County, Virginia
2100 Clarendon Boulevard, Suite 500
Arlington, Virginia 22201

Phone: (703) 228-3294

Email: slewis1@arlingtonva.us

TO COUNTY MANAGER'S OFFICE (FOR PROJECT CLAIMS):

Mark Schwartz, County Manager

Arlington County, Virginia

2100 Clarendon Boulevard, Suite 318

Arlington, Virginia 22201

60. ARLINGTON COUNTY BUSINESS LICENSES

The Contractor must comply with the provisions of Chapter 11 ("Licenses") of the Arlington County Code, if applicable. For information on the provisions of that Chapter and its applicability to this Contract, the Contractor must contact the Arlington County Business License Division, Office of the Commissioner of the Revenue, 2100 Clarendon Blvd., Suite 200, Arlington, Virginia, 22201, telephone number (703) 228-3060.

61. NON-DISCRIMINATION NOTICE

Arlington County does not discriminate against faith-based organizations.

62. LIMITED ENGLISH PROFICIENCY

The Contractor must comply with Executive Order 13166, Title VI of the Civil Rights Act of 1964 and make reasonable efforts to ensure that as part of the services that it provides, adequate communication services, including interpretation and translation, are available to persons who have limited English proficiency. If such services are not included in the Contract's scope of services and pricing, the Contractor will use a County-contracted service provider, and the County will pay the fees.

63. ADA COMPLIANCE

The Contractor is solely responsible for its compliance with the ADA and must defend and hold the County harmless from any expense or liability arising from the Contractor's non-compliance. The Contractor also must respond promptly to and cooperate fully with all inquiries from the U.S. Department of Labor.

The Contractor's responsibilities related to ADA compliance include, but are not limited to, the following:

- a. Access to Programs, Services and Facilities: The Contractor must ensure that its programs, services and facilities are accessible to persons with disabilities. If a particular facility or program is not accessible, the Contractor must provide equivalent services in an accessible alternate location or manner.
- b. Effective Communication: Upon request, the Contractor, must provide appropriate communication aids and services so that qualified persons with disabilities can participate equally in the Contractor's programs, services and activities. Communication aids and services can include, but are not limited to, qualified sign language interpreters, Braille documents and other means of facilitating communications with people who have speech, hearing or vision impairments.
- c. Modifications to Policies and Procedures: The Contractor must modify its policies and procedures as necessary to ensure that people with disabilities have an equal opportunity to enjoy the

Contractor's programs, services and activities. For example, individuals' service animals must be allowed in the Contractor's offices or facilities, even if pets are generally prohibited.

- d. No Extra Charges: The Contractor may not charge a person with a disability or any group of individuals with disabilities to cover the cost of providing aids or services or of reasonable modifications to policies and procedures.

64. SERVICE CONTRACT WAGE REQUIREMENTS

a. LIVING WAGE

The County has determined that the provisions of Section 4-103 of the Arlington County Purchasing Resolution (regarding "Service Contract Wage" or "Living Wage") apply to this Contract. All employees of the Contractor and any subcontractors working on County-owned or County-occupied property therefore must be paid no less than the hourly Living Wage rate that is published on the County's web site on the date of Contract execution.

b. COMPLAINTS BY AGGRIEVED EMPLOYEES

If the Contractor fails to pay the Living Wage rate, an aggrieved employee or subcontractor may file a complaint with the County Purchasing Agent within six months of the underpayment. If the Purchasing Agent determines that the Contractor has failed to comply with the Living Wage rate provisions of the Purchasing Resolution, the Contractor will be liable to the employee for the unpaid wages, plus interest at the current judgment rate set by Virginia law. The Contractor must not discharge, reduce the compensation of or otherwise retaliate against any employee who files a complaint with the County Purchasing Agent or takes any other action to enforce the requirements of this section.

c. ADDITIONAL COMPLIANCE REQUIREMENTS

At all times during the term of the Contract, the Contractor must:

1. Post the current Living Wage rate, in English and Spanish, in a prominent place at its offices and at each location where its employees perform services under this Contract (see sample notice in Attachment A);
2. Within five days of an employee's request, provide a written statement of the applicable Living Wage rate, using the same form provided in Attachment A;
3. Include the provisions of this section in all subcontracts for work performed under the Contract; and
4. Submit to the Purchasing Agent, within five working days of the end of each quarter, certified copies of quarterly payroll reports for each employee working under the Contract during the quarter and a completed Arlington County Contractor Living Wage Quarterly Compliance Report (Attachment B).

d. CONTRACTOR RECORD KEEPING

The Contractor must preserve for five years after the expiration or termination of this Contract records of wages and benefits provided to each employee who worked under the Contract and must allow the County or its authorized agents to examine the documents during this period and during the Contract Term. The Contractor must provide any requested documents to the County for examination within 15 days of the request at the Contractor's expense.

e. VIOLATIONS

Violation of this section, as determined by the Purchasing Agent, will be a ground for termination of this Contract and debarment of the Contractor from consideration for future County contracts.

65. INSURANCE REQUIREMENTS

Before beginning work under the Contract or any extension, the Contractor must provide to the County Purchasing Agent a Certificate of Insurance indicating that the Contractor has in force at a minimum the coverage below. The Contractor must maintain this coverage until the completion of the Contract or as otherwise stated in the Contract Documents. All required insurance coverage must be acquired from insurers that are authorized to do business in the Commonwealth of Virginia, with a rating of "A-" or better and a financial size of "Class VII" or better in the latest edition of the A.M. Best Co. Guides.

- a. Workers Compensation - Virginia statutory workers compensation (W/C) coverage, including Virginia benefits and employer's liability with limits of \$100,000/100,000/500,000. The County will not accept W/C coverage issued by the Injured Worker's Insurance Fund, Towson, MD.
- b. Commercial General Liability - \$1,000,000 per occurrence, with \$2,000,000 annual aggregate covering all premises and operations and including personal injury, completed operations, contractual liability, independent contractors, and products liability. The general aggregate limit must apply to this Contract. Evidence of contractual liability coverage must be typed on the certificate.
- c. Business Automobile Liability - \$1,000,000 combined single-limit (owned, non-owned and hired).
- d. Environmental Liability - \$3,000,000 per occurrence or \$6,000,000 annual aggregate combined single limit to injuries to or death of person(s) and/or damage to property.
- e. Additional Insured – The County and its officers, elected and appointed officials, employees and agents must be named as additional insureds on all policies except workers compensation and automotive and professional liability; and the additional insured endorsement must be typed on the certificate.
- f. Cancellation - If there is a material change or reduction in or cancellation of any of the above coverages during the Contract Term, the Contractor must notify the Purchasing Agent immediately and must, with no lapse in coverage, obtain replacement coverage that is consistent with the terms of this Contract. Not having the required insurance throughout the Contract Term is grounds for termination of the Contract.
- g. Claims-Made Coverage - Any "claims made" policy must remain in force, or the Contractor must obtain an extended reporting endorsement, until the applicable statute of limitations for any claims has expired.
- h. Contract Identification - All insurance certificates must state this Contract's number and title.

The Contractor must disclose to the County the amount of any deductible or self-insurance component of any of the required policies. With the County's approval, the Contractor may satisfy its obligations under this section by self-insurance for all or any part of the insurance required, provided that the Contractor

can demonstrate sufficient financial capacity. In order to do so, the Contractor must provide the County with its most recent actuarial report and a copy of its self-insurance resolution.

The County may request additional information to determine if the Contractor has the financial capacity to meet its obligations under a deductible and may require a lower deductible; that funds equal to the deductible be placed in escrow; a certificate of self-insurance; collateral; or another mechanism to guarantee the amount of the deductible and ensure protection for the County.

The County's acceptance or approval of any insurance will not relieve the Contractor from any liability or obligation imposed by the Contract Documents.

The Contractor is responsible for the Work and for all materials, tools, equipment, appliances and property used in connection with the Work. The Contractor assumes all risks for direct and indirect damage or injury to the property used or persons employed in connection with the Work and for of all damage or injury to any person or property, wherever located, resulting from any action, omission, commission or operation under the Contract or in connection in any way whatsoever with the Work. The Contractor's insurance shall be the primary non-contributory insurance for any work performed under this Contract.

The Contractor is as fully responsible to the County for the acts and omissions of its subcontractors and of persons employed by them as it is for acts and omissions of persons whom the Contractor employs directly.

65. MATERIAL CHANGES

The Contractor shall notify Purchasing Agent within seven days of any material changes in its operation that relate to any matter attested regarding certifications on its bid form.

66. COUNTERPARTS

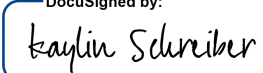
This Agreement may be executed in one or more counterparts and all of such counterparts shall together constitute one and the same instrument. Original signatures transmitted and received via facsimile or other electronic transmission (e.g., PDF or similar format) are true and valid signatures for all purposes hereunder and shall be effective as delivery of a manually executed original counterpart.

67. SEXUAL HARASSMENT POLICY

If the Contractor employs more than five employees, the Contractor shall (i) provide annual training on the Contractor's sexual harassment policy to all supervisors and employees providing services in the Commonwealth, except such supervisors or employees that are required to complete sexual harassment training provided by the Department of Human Resource Management, and (ii) post the Contractor's sexual harassment policy in (a) a conspicuous public place in each building located in the Commonwealth that the Contractor owns or leases for business purposes and (b) the Contractor's employee handbook.

WITNESS these signatures:

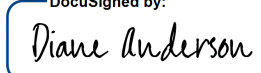
THE COUNTY BOARD OF ARLINGTON
COUNTY, VIRGINIA

AUTHORIZED SIGNATURE: DocuSigned by:

2513E5602A3A4DE...

NAME AND TITLE: KAYLIN SCHREIBER
PROCUREMENT OFFICER

DATE: 9/8/2020

APEX COMPANIES, LLC

AUTHORIZED SIGNATURE: DocuSigned by:

76F76AB1E7A7431...

NAME AND TITLE: Diane Anderson
Vice President & Regional Manager

DATE: 9/8/2020

EXHIBIT B

GENERAL REQUIREMENTS

A. INTENT/WORK STATEMENT

Arlington County (County) intends to enter into a unit price, indefinite-quantity contract with a qualified Contractor to ensure that County-Owned Stormwater Management Facilities are performing as designed to maximize efficiency and to reduce the impacts of stormwater runoff on local streams, the Potomac River, and the Chesapeake Bay — with the parallel objective of ensuring that the County is in compliance with the applicable requirements of the County's Municipal Separate Storm Sewer System (MS4) Permit (issued by the Virginia Department of Environmental Quality in June 2013) and the Virginia Stormwater Management Program (VSMP) regulations (effective July 1, 2014). Most work shall be performed on County properties or rights-of-way under the jurisdiction of Arlington County's Department of Environmental Services, Office of Sustainability & Environmental Management (DES OSEM), Facilities Management Bureau (FMB) and Department of Parks and Recreation (DPR). Some additional work shall be performed on private properties to enforce required maintenance and inspection with adequate notification to owners provided by County staff. All work shall involve the technical and contractual oversight by DES-OSEM. Other County agencies may also use this contract.

The Contractor shall provide:

- Annual Inspection, Maintenance and Reporting for facilities (Schedule A); and
- As-needed work to repair existing facilities (Schedule B).

B. TYPE OF WORK

The Contractor shall inspect and maintain the efficiency of County-owned stormwater management facilities. The Contractor shall provide Inspection, Maintenance, Reporting and as-needed repair work for stormwater management facilities.

To ensure that the facilities function as designed there is a maintenance procedure and schedule for each facility type. The frequency of visits and maintenance care is based on several factors including the design and size of the facility (based on the amount of runoff entering it), location, and impact(s) from human or natural events. A significant financial investment has been allocated to the design, permitting and construction of these facilities and proper inspection and maintenance is essential to their performance. This Maintenance ITB reflects processes required by Virginia State regulations.

Each facility has a maintenance schedule in Schedule A: Price Schedule by Location which is ordered as Work. Routine tasks for each facility are detailed in the Specifications section (Section II). The Contractor shall note that not all tasks described under 'Routine' work may be needed at every location for each scheduled visit.

C. STORMWATER MANAGEMENT FACILITIES

The portfolio of County-owned facilities (as of 03/18/20) includes:

STORMWATER MANAGEMENT FACILITIES	
TYPE	QUANTITY
Bioretention, Dry Swales, Urban Bioretention (SW Planters), and Infiltration Trenches	62
Proprietary and non-proprietary devices with vegetation Filterra (Tree Box Filters)	5
Permeable pavers, synthetic turf, permeable concrete, flexible and inflexible poly bound pavements	22
TOTAL	85

D. CONTRACTOR QUALIFICATIONS AND CREW REQUIREMENTS

Each facility requires specific maintenance tasks unique to the facility type. The Contractor shall provide the highest quality of work by employing experienced personnel who possess the minimum qualifications.

The Contractor must complete and submit the Bid Forms included in Section IV – Attachment and Forms certifying that their personnel meet the below-mentioned criteria to perform work on this contract.

E. MINIMUM CONTRACTOR QUALIFICATIONS

- 1) Contractor shall have a minimum of three (3) years of experience in native landscape maintenance on commercial or municipal properties.
- 2) Contractor shall have a minimum of one (1) year of experience in maintenance of vegetated stormwater facilities (bioretention, vegetated swales, urban bioretention (stormwater planters), infiltration trenches, and Filterras).
- 3) Contractor shall have a minimum of one (1) year of experience in maintenance of all of the permeable pavement types listed in Schedule A.
- 4) Contractor shall have a Safety Manual and Plan and submit a copy with their bid. The Safety Manual and Plan must comply with OSHA regulations as well as all other applicable local, state and federal standards.
- 5) Contractor shall have a Diversity and Racial Equity Manual and Plan and submit a copy with their bid. This Manual and Plan must include a description of how the Contractor implements and institutionalizes diversity through policy, management philosophy and training. It should describe how the Contractor, on a day-to-day basis, fosters a work environment that is inclusive and conducive to diverse staff. The Manual and Plan should include copies of personnel policies and other relevant policies, training provided to staff, and description of the general management philosophy as it relates to diversity.
- 6) Certification from the National Green Infrastructure Program (NGICP) or Chesapeake Bay Landscape Practicum (CBLP) is desired but not required.

F. MINIMUM PERSONNEL QUALIFICATIONS:

The name, training dates, and exam date shall be provided on Contractor Qualifications Form. The Contractor shall provide on-going, dedicated leadership to direct and monitor work performance. The Contractor shall assign a qualified individual to serve as Contractor's Contract Manager. The

Contractor's Contract Manager shall be experienced in contract management; supervision of employees; knowledgeable of stormwater management facilities; be able to troubleshoot problems with the facilities; and be able to consult with the County Project Officer about remedies.

The Contractor's Contract Manager shall report to the County's Project Officer for communication, coordination and evaluation of inspection and maintenance services and quality control. The Contractor's Contract Manager shall serve as the single point of contact with the County for work assignments, Contractor cost proposals, and problem resolution.

The Contractor shall have the Crew Foreman on the job site at all times to oversee work performance.

- Contract Manager

1. Minimum of three (3) years of experience as a Contract Manager for stormwater management facility inspection, maintenance, and reporting.
2. Minimum of three (3) years of verifiable experience in landscape maintenance.
3. Minimum of two (2) years of experience in maintenance of all of the permeable pavement types listed in Schedule A.
4. Demonstrated experience reading and comprehending Construction Documents
5. Fluent in English

- Crew Foreman

1. Minimum of two (2) years of experience as a Crew Foreman including managing and training crew members to perform to Contract expectations.
2. Minimum of three (3) years of verifiable experience in landscape maintenance.
3. Minimum of two (2) years of experience in native landscape maintenance and weed identification.
4. Minimum of one (1) year of experience in maintenance of all of the permeable pavement types listed in Schedule A.
5. Demonstrated experience reading and comprehending Construction Documents
6. Fluent in English.
7. Certification from the NGICP or CBLP is desired but not required for this position.
8. Contractor's Crew Foreman shall either:
 - a. Possess the Virginia Department of Environmental Quality (DEQ) certification (have taken training and passed the exam);
 - b. Taken the DEQ training and scheduled to take the exam; or
 - c. Be scheduled for DEQ training with the intent to take the exam within six (6) months of training completion.

Changes to the crew leadership must be approved by the Project Officer. The Contractor must submit Contract Manager and Crew Foreman/Inspector changes, including qualifications, to the Project Officer for review and approval.

Crew/Laborers - The Contractor shall provide an on-going, dedicated Crew to perform maintenance on stormwater management facilities.

The Contractor shall have on staff or subcontract the following personnel:

- Virginia Department of Transportation (VDOT) Certified Flagger(s) trained in Basic Work Zone Traffic Control.
- Certified Arborist - All Selective Tree Trimming must be performed by a Certified Arborist by the International Society of Arboriculture (ISA).
- Virginia Certified Commercial Pesticide Applicator – All selective pesticide application must be performed by a Virginia Certified Commercial Applicator.
- Interlocking Concrete Pavement Institute (ICPI) Certified Installer
- National Ready-Mix Concrete Association (NRMCA) Certified Installer and/or Craftsman

G. WASTE DISPOSAL GUIDELINES (NEW ACCEPTABLE USE POLICY)

The Contractor shall read the Arlington County Waste Disposal Guidelines and submit the Signature Sheet with their Bid submission which acknowledges that the Contractor has read and understood the Guidelines (See Exhibit F).

The Contractor shall be responsible for all material disposal and shall dispose in accordance with Arlington County and state and federal regulations. The Contractor shall not dispose of any materials in County-owned or operated refuse devices and/or equipment (e.g., trash cans, dumpsters, etc.) unless previously arranged and approved. In summary, all waste from stormwater management facilities shall be taken to a landfill. This includes liquid (water, slurry), solid (sediment, sand), floatables (plastic), and other trash and debris. Most landscape waste (sticks, mulch, leaves) may be recycled unless they are covered with soot or hydrocarbons. Some landscape debris such as fresh clippings and leaves may be recycled, however as a general guideline, any debris which has made contact with the soil or has a visible coating should be disposed of at a landfill.

The County will pay for haul and disposal of the waste material; however, it shall be incorporated into the Line Item pricing in Schedule A and not invoiced separately. The Contractor shall submit the manifest/invoice from the landfill with the Maintenance Report. The ticket shall note the content and weight of the disposed material.

At no time shall any liquid waste be flushed into a stormwater facility or a storm drain. All field decanting is against County Code.

H. SCHEDULE OF WORK

The County's current inventory has stormwater management facilities requiring maintenance services in accordance with this Scope of Work and Specifications described herein. Facilities are listed in Schedule A: Price Schedule by Location which includes the addresses, the number of annual visits, and the service months required for each facility. The Contractor shall initiate Inspection and Maintenance in a timely manner according to the schedule for each facility.

Schedule A may be modified at any time by the County to include the addition or removal of facilities or changes in maintenance frequencies. Additional as-needed unscheduled Work may be required by the County. The Work will be accomplished through the issuance of a separate purchase order. At least annually, the County will provide the Contractor with an updated list of facilities with the quantity of annual visits and service months. Schedule A is not a guarantee of work and may be changed based on weather, impacts from stormwater or humans, or other factors.

I. EQUIPMENT AND TOOLS

The Contractor's equipment and operations shall be capable of completely removing debris from the devices. All vehicles, tools and equipment considered to be normal and customary to the industry and utilized in the performance of the work shall be furnished by the Contractor at no additional cost to the County. The equipment used shall be of sufficient type, capacity and quantity to safely and efficiently perform the work as required. The Contractor shall maintain the safety and good operational capability of the equipment throughout the contract period. No payment shall be made for equipment rental unless specific approval is obtained before the fact and the rate is mutually agreed to by the Contractor and the County Project Officer. The Contractor shall arrive at each work site with all of the tools and equipment necessary to complete the work required.

J. PROPRIETARY AND NON-PROPRIETARY DEVICES

The Contractor shall be responsible for verifying the facility type and size, as well as manufacturer's recommendations for maintenance and repair. The Contractor shall use parts and materials recommended by the manufacturer, unless a written approval is obtained by the Project Officer.

K. CHECK-IN AT SITE AND SIGN-OFF

Three Departments manage the areas that County-Owned Stormwater Management Facilities are located on; thus, it is the responsibility of the Contractor to make prior arrangements for access. The Contractor shall verify whether permissions are needed and make arrangements with the Department.

The Contractor shall check in and check out at sites with restricted access.

THE CONTRACTOR SHALL INFORM THE DISPATCHER FORTY-EIGHT (48) HOURS IN ADVANCE OF THEIR ARRIVAL AT THE COUNTY FACILITY:

**FACILITIES MANAGEMENT BUREAU HOTLINE - 703-228-4422
DEPARTMENT OF PARKS AND RECREATION HOTLINE - 703-228-6525**

Note: OSEM FACILITIES ALLOW FOR PUBLIC ACCESS THUS CHECK-IN IS NOT NECESSARY.

L. SUBCONTRACTORS

No portion of this contract may be subcontracted without the written consent of the County. If subcontractors are allowed, the Contractor must provide the County with a list of subcontractors used. In addition, signed copies of any agreements between Contractor and their subcontractors shall be required. Additionally, the subcontractors shall be fully qualified to perform the work and shall adhere to all provisions of this Contract. The Contractor shall be held fully responsible for the performance of all subcontracted work.

M. SAFETY OF PERSONNEL AND EQUIPMENT

All equipment used in the contract shall be equipped with factory safeguards or safety modifications meeting OSHA requirements. The Contractor's personnel shall at all times wear appropriate Personal Protective Equipment (PPE) including but not limited to safety vests, and shall have in place proper training, procedures and supervision to ensure that all personnel obey all safety rules and regulations. Federal Highway Administration Manual on Uniform Traffic

Control Devices (MUTCD) compliant signs shall be utilized along roadways and trails. When lane closure is necessary, all VDOT guidelines shall be followed. Safety to the public is of utmost importance. The County reserves the right to stop the Contractor from performing work for failure to observe applicable safety precautions at no cost to the County. Work may not resume until approval is given by the County Project Officer that applicable safety measures are in place.

N. CONTRACTOR REPORTING

The Contractor shall provide Reports for Inspection and Maintenance services and shall follow Arlington County's inspection criteria and report submission per the requirements set forth in Arlington County Code and as outlined below.

Inspection Reports shall follow the format specified in the attached Sample Inspection Reports (See Appendices B and C). If the Contractor has their own standard form it may be used as long as all items listed in the Sample Inspection Reports are included.

Maintenance Reports can be provided in a format of the Contractor's choosing and shall contain the following items.

- Facility name, address, Completed Site Plan (CSP) Number, and Facility ID;
- Date maintenance was completed with crew start and finish time;
- Names of crew members present during maintenance;
- Facility type;
- Amount of rain in the last three (3) days; and
- Labeled and date-stamped photos showing:
 - o Overall facility before and after maintenance;
 - o Each inlet before and after maintenance;
 - o Specific issues with the facility including but not limited to excessive weeds, lack of plant cover or dead plants, ponding (lack of draining), excessive sediment, or erosion; and
 - o Any maintenance items completed but not shown already in the first three categories.

Maintenance Reports shall be provided in pdf format and named CSP_Facility Number_Year-Month.pdf. Inspection reports shall follow the same format with the word Inspection added at the end of the name. For example, the Maintenance Report completed in August for Woodmont Community Center - CSP 501542, Facility Number 07-1069B would be named 501542_07-1069B_2020-08.pdf. The Inspection Report completed in the same month would be named 501542_07-1069B_2020-08 Inspection.pdf

Reports shall be accompanied by a spreadsheet completed by the contractor that summarizes the start and end date of maintenance, and line items and associated quantities for each facility.

The Contractor shall email all reports to the Project Officer at SWMFinspection@arlingtonva.us using the subject line naming convention noted on each form. Maintenance Reports shall be submitted with corresponding disposal manifests.

The Contract Manager is responsible for report management under this Contract. Work shall include, but may not be limited to: quality control review of reports, reviewing work orders, identifying facilities and their locations, tracking work schedules, recording line item quantities, emailing Reports, photo-documentation, etc.

The Certified Inspector shall certify each of the Annual Inspection Reports.

O. REPORTING ISSUES OUTSIDE OF CONTRACT SCOPE

During each visit, the Contractor, to the best of their ability, must observe if stormwater is prevented from entering the facility as intended, (e.g., water does not reach the curb cut or inlet) or if there is any degradation of infrastructure which is outside of normal maintenance activities outlined in this Contract which impact the functionality and draining of the facility. This includes but is not limited to unstable landscaping or bare soil uphill which is dumping soil or sediment onto or into the facility; ponding water on permeable pavement; other off-site conditions impacting the facility, etc.

If normal maintenance activities outlined in this Contract do not restore the flow, the Contractor must note any field problems to the Project Officer via phone or email within forty-eight (48) hours of the visit. The Contractor shall also identify any encountered problems in their Maintenance Report and provide a photo documenting the issue in the report.

P. NON-PREPRICED ITEMS

Non-Prepriced Work shall be separately identified and submitted in the task order proposal. Information submitted in support of Non-Prepriced Work shall include, but not be limited to, the following:

1. Contractor certification: Should the Contractor believe that the Work required, or any portion thereof, is not identified in the Schedule of Unit Prices, or cannot reasonably be extrapolated from it, then the Contractor must provide a signed Contractor certification to that effect. The Contractor certification must explain in detail why the proposed Work should be considered Non-Prepriced Work. The Contractor certification must contain the following language: "I certify that the items identified as Non-Prepriced Line Items on this proposal are not listed in the Schedule of Unit Prices nor can they be reasonably extrapolated from it."
2. Complete specifications and technical data, including quantity of Non-Prepriced Line Items, Unit Price of Non-Prepriced Line Items, and support drawings;
3. Pricing data submitted in support of the Unit Price for Non-Prepriced Line Items must include a cost or price analysis report, consisting of:
 - Price quotations from three (3) Suppliers, when available (or as directed by the Project Officer), establishing the basis for selecting the approach proposed for accomplishment of the Work;
 - Cost and pricing data supporting the proposed quantity of Non-Prepriced Line Items: The Non-Prepriced Line Item cost must be properly itemized and supported by sufficient substantiating data to permit evaluation.
4. Non-Prepriced Line Item cost must be limited to the actual cost of labor, actual cost of materials, supplies and equipment, actual rental cost of machinery and equipment, plus a fixed fee for profit and overhead of ten percent (10%) if the Work is performed by the Contractor, or five percent (5%) if the Work is performed by a Subcontractor or Sub-subcontractor. The term 'cost' as used in this Section is limited to the cost incurred in the actual performance of the work. The Subcontractors or Sub-subcontractors overhead and profit in turn must not exceed ten percent (10%). The total percentage of overhead and profit payable by the County (to both the Contractor and all sub tier Subcontractors), regardless of the subtier which performs the work, shall not exceed twenty percent (20%).

5. Following agreement, Non-Prepriced Item(s) will be included in the approved Task Order proposal.

After using a Non-Prepriced Line Item, the Unit Price for the Work Item will be negotiated and fixed as a permanent prepriced Line Item which will no longer require price justification.

Q. YEARLY MEETING AND SCHEDULE

The Contractor shall meet with the Project Officer in the office (2100 Clarendon Blvd) yearly in January for the purpose of discussing the upcoming year's work and the Contractor's performance over the previous year. General discussion regarding scheduling, fielding questions, and monitoring performance will be performed as needed throughout the year via site visits, phone calls, and email. The Contractor shall provide a copy of each Month's Schedule via email three (3) Business Days prior to starting work. The Contractor shall notify the Project Officer and provide an updated schedule in writing via email of shifts to the Monthly Schedule.

Unless otherwise directed by the County, the Contractor shall ensure a minimum of twenty-nine (29) Calendar Days between repeating tasks at the same facility.

R. PERFORMANCE MONITORING

The Project Officer will conduct random site inspections to verify work performance and in combination with monthly review of reports will note issues with performance via email to the Contractor. The Project Officer will complete a "Contractor Performance Report" (See Appendix A) on a yearly basis to summarize the year's performance. The Report measures performance on adherence to the schedule, execution of work, quality control, personnel oversight and leadership, communication, reporting, etc. The Report will be reviewed with the Contractor at the yearly meeting so they are clear on expectations and deficiencies. The Report shall be signed by the Contractor after reviewing with the Project Officer.

S. METHOD OF MEASURING PERFORMANCE

The performance of the Contractor will be measured regularly throughout the term of the Contract.

The Contractor Performance Report provides for scoring a "+" or "-" on each topic. The topics are based on minimum requirements of this Contract. If the Contractor receives a "-" rating on the Report, the Contractor is considered on probation and may be issued a Warning. The Project Officer will then complete a Contractor Performance Report following the next month's work until the "-" rating is resolved. If the Contractor receives four (4) documented infractions within the Contract period it may result in termination of the Contract by the County for default.

The Contractor will be evaluated on performance to include attendance at Yearly Meetings, submitting Monthly Schedules, providing appropriately certified/trained personnel (per the required specifications), leadership and quality control over work performance, communication, accurate and complete reporting, adherence to professional and industry standards, and adherence by OSHA requirements and laws.

T. METHOD OF MONITORING PERFORMANCE

The performance of the Contractor will be monitored and measured regularly throughout the term of the Contract by consideration of the following performance criteria:

1. Phone Calls, Emails, and Site Visits – The Contractor shall discuss issues via phone calls, emails, and during site visits and shall submit a Monthly Schedule to the Project Officer. Failure of the Contractor to respond within twenty-four (24) hours, two (2) times or more or failure to submit Monthly Schedules via email at least three (3) days prior to starting Monthly work two (2) times or more during the Contract period may result in termination of the Contract by the County for default.
2. Monthly Schedule - The Contractor shall adhere to the Monthly Schedule. The Contractor shall complete all maintenance tasks per the specifications in this Contract and per the Monthly Schedule in a timely manner. The Contractor shall notify the Project Officer in writing if there is a shift in the Monthly Schedule, including shifts due to inclement weather.
3. Delays and Extension of Time - If the Contractor is delayed at any time by unavoidable causes beyond the Contractor's control, the County shall determine the impact of such delays on the Contract schedule and may decide to issue an extension.
4. Personnel – The Contractor shall provide appropriately certified and trained Key Personnel as required above (Section II-E and F). Key Personnel is defined as the Contract Manager, and Crew Foreman/Inspector. If changes in Key Personnel occur, the Contractor shall provide appropriate personnel within thirty (30) Calendar Days (of the date of separation). Failure to provide Key Personnel may result in termination of the Contract by the County for default.

The Contractor shall provide enough laborers and support personnel to accomplish the Contracted work with expertise and within the allotted time. The Contractor shall have enough crew to meet the Contract schedule. Failure to provide sufficient support staff to meet Contract obligations may result in termination of the Contract by the County for default.

5. Oversight and Quality Control – The Contractor shall provide quality control, oversee crew performance, effectively direct or communicate maintenance tasks specified in this Contract. Failure of the Contractor to ensure that the personnel perform to specified standards in this Contract may result in termination of this Contract by the County for default.

The Contractor's Key Employees (e.g., Contract Manager, Crew Foreman/ Inspector, etc.) shall possess the expertise to provide quality control and effectively communicate and oversee crew performance. If it is deemed by the Project Officer that personnel are not effective in achieving the level of maintenance specified in this Contract, the deficiencies will be documented and may result in personnel being removed from the crew.

Communication - The Contractor shall respond back to calls or emails from the Project Officer in a timely manner. Timely manner is defined as no later than close of the following Business Day.

Failure to respond (non-communication) subsequent to documented warnings or infractions, poor performance or non-performance, during any period during this Contract may result in termination of the Contract by the County for default.

6. Response times for as-needed work – The Contractor shall review and ask questions (if applicable) regarding a proposal request within forty-eight (48) hours of receiving the request. The Contractor shall provide a proposal for as-needed work within seven (7) Business Days of the initial request. As-needed work shall be completed within ten (10) Business Days of receiving approval from the Project Officer. Failure to meet deadlines during any period during this Contract may result in termination of the Contract by the County for default.

7. Reporting - The Contractor shall submit Reports within ten (10) Business Days of completing work. Reports shall be accurate and reflect current conditions and current photos. Failure to submit complete Reports in a timely manner, falsifying information, reporting inaccurate data, or non-adherence to the Contract requirements described herein may result in termination of the Contract by the County for default.
8. Corrective Actions – In the event that the Contractor is notified by the Project Officer to correct poor workmanship, incomplete work, or incorrect or substandard materials at a facility the Contractor shall do so at no additional cost to the County. The County shall give notice of observed defects with reasonable promptness and the corrective actions shall be performed by the Contractor within seven (7) Business Days of notification. Failure to respond during any period during this Contract may result in termination of the Contract by the County for default.
9. Industry Standards - Failure or non-performance on maintenance tasks (e.g., specifications described herein such as Routine Maintenance) or failure to follow industry standards and codes (e.g., Landscape Contractors Association standards; ANSI Z60.1 “American Standard for Nursery Stock, 2004” or latest edition; ANSI A300 “Tree, Shrub, and other Woody Plant Maintenance, Standard Practices” or latest edition) may result in termination of the Contract by the County for default.
10. Federal, State, and Local Laws – The Contractor shall abide by all Federal, State and Local Laws. Failure to follow all applicable local, state and federal standards (e.g., OSHA confined space entry, OSHA fall arrest), traffic management, or waste disposal may result in termination of this Contract by the County for default.

U. SERVICES FOR OTHER COUNTY DEPARTMENTS

This Contract may be extended to other County Departments. If other Departments make use of this Contract a separate Purchase Order (PO) must be issued by that Department. All the following, including, but not limited to, project and Contractor management, invoices, scheduling, coordination, and payments shall be the responsibility of the Department issuing the PO.

V. SPECIAL PROVISIONS

1. TRAFFIC MANAGEMENT: The Contractor shall be responsible for maintaining traffic flow, and for protection and safety of vehicles and pedestrians in the area affected by all contract and non-contract work. The Contractor must provide all signs, barricades, flashers, and flag-personnel required to maintain traffic flow and safety. Signs and other traffic control devices must be in accordance with the most current VDOT standards. At least one (1) Contractor employee at each site where traffic control is required must be a VDOT certified flagger trained on Basic Work Zone Traffic Control.
2. PARKING: The Contractor may not obstruct traffic flow during work and may not park vehicles on unpaved right-of-ways or sidewalks or any other unpaved areas without permission from the County. The Contractor shall abide by all County parking rules and regulations.
3. FACILITY ACCESSIBILITY: The Contractor shall be responsible to provide means and methods to access County stormwater facilities.

4. TESTING: The Contractor must provide documentation of all required testing of materials, etc., as stated in the specifications upon request of the County. Any work completed using materials that do not meet testing requirements and the related materials must be replaced at no cost to the County.
5. FIRE HYDRANT PERMIT: The Contractor may request a Fire Hydrant Permit from the County for obtaining water for items required by this contract. A permit is not guaranteed. The Contractor is responsible for any costs or fees associated with the permit.

W. PROTOCOLS

1. Annual Inspection, Maintenance and Reporting Protocol:
 - The Annual Inspection of facilities shall be conducted per Schedule A;
 - Inspections shall be conducted by a DEQ Certified Inspector;
 - The Annual Inspection Reports shall be certified and submitted within ten (10) Business Days of the Inspection and no later than the 15th of the month following inspection that year;
 - Inspections may be conducted independently of Maintenance; however, Maintenance must be completed within thirty (30) Calendar Days of the Inspection.
2. Routine Maintenance and Reporting Protocol:
 - Routine Maintenance shall be conducted per Schedule A;
 - Maintenance Reports are due within ten (10) business days of work completion.

X. FACILITY DESIGN VERIFICATION:

It is the responsibility of the Contractor to refer to Construction Documents (or As-Built documents) to ensure that they comprehend the maintenance requirements for each facility, for example in the case of bioretention to understand the ponding requirement (i.e., 6", 9", 12"), the planting plan to verify plant types and count, etc.

Watering (establishment/drought)																			
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ROUTINE BIORETENTION MAINTENANCE TASKS:

These are the essential items which should be checked during each Inspection and Maintenance visit listed on **Schedule A**. Every task below shall be verified on the Maintenance Inspection Form. With increased maintenance frequency the tasks should take less time however all of these tasks shall occur at every visit to some degree.

During each maintenance visit, the Contractor shall review the design of the facility in the Construction Drawings and perform the following tasks, as needed:

Inlet Cleaning Specification

Description: Inlet cleaning includes the following:

- 1) Sweep or vacuum up all visible sediment and debris which could potentially enter the facility from the upstream flow path (approximately 20').
- 2) Remove sediment and debris from any curb cuts for the facility.
- 3) Remove any grates and clear obstructions or blockages due to sediment, debris, trash, leaves, and vegetation growing inside. Note vegetation or algae growing in the drain indicating the presence of standing water.
- 4) Inspect the flow line into and out of curb cuts and drains to ensure that water flows easily into and out of the drain. Make sure that the entrance or exit has not been raised due to sediment accumulation or dropped due to erosion. There should not be any ponding water at the entrance or exit. If the flow-line height has been altered, fill with soil or shovel/vacuum out sediment to restore the flow line and to ensure that water flows freely.
- 5) Remove accumulated sediment, debris and weeds from cobble or riprap associated with all inlets, forebays, and stone check dams. Accumulated sediment shall be removed quarterly or when the sediment is visible.
- 6) Reset any displaced cobble or rip-rap at the proper elevation to allow water to enter the facility and at the entrance and exit to ensure that there is no bare earth or erosion.
- 7) Remove any vegetation within 6" of the entrance and exit on the outside of the drain.
- 8) Secure any grates to prevent unauthorized entry.

Cleanout / Overflow (Riser) Cleaning Specification

Description and Execution:

- 1) Inspect all underdrains, risers (overflows), and cleanouts (through the observation well) to ensure there are no obstructions, debris, trash, leaves, vegetation growing inside or covering the overflow (riser).
- 2) Remove any obstructions by hand or tool if obstructing the cleanout entrance
- 3) Secure caps to prevent unauthorized entry.
- 4) Inspect underdrains where they enter catch basins to make sure the pipe is not clogged with vegetation.

Trash and Debris Removal Specification

Description and Execution:

- 1) Remove and dispose of debris from the facility, including sticks, leaves, seeds and trash.
- 2) Remove accumulated sediment from within the facility using a broom and shovel or outdoor vacuum.
- 3) Dead Plant Removal - Dead plants shall not be removed in early spring as many bioretention perennials will not 'break' until April. All removed dead plants must be photographed and reported to the County for proper replacement per the approved design. No substitutes are allowed unless previously approved by the Project Manager. Location and species must be logged and reported.

Assess Plant Condition and Coverage (%)

Description and Execution:

Assess the overall plant condition and photograph dead plant material. Estimate the percentage of vegetation coverage. Anything less than 85% vegetative coverage shall be noted in Reports.

Weeding / Vegetation Clearing Specification

Description and Execution:

It is recommended that major weeding begin after perennials have leafed out in April. Prior to April, it is important that the Contractor only weed turf and other known noxious weeds to prevent removal of beneficial plant material.

Edging, Mowing and String Trimming Specification

Description and Execution:

- 1) "Edge" the border of the facility with a shovel to maintain clear boundaries between the turfgrass area and the facility
- 2) Mow turfgrass surfaces around facilities being careful to keep clippings out of the facility. Clippings do not have to be bagged up and may fall into the existing turf. Distribute any clumps so they are not visible.
- 3) Mow edges of facilities and/or small strips of turf which are not maintained by adjacent homeowner/landowner in right-of-ways.
- 4) When mowing, do not damage tree trunks or other objects.
- 5) Turf shall be mowed to a height of 4".
- 6) String trim smaller areas as necessary. Follow all guidance for mowing.
- 7) The Contractor is responsible for restoring to their original condition all areas disturbed as a result of the mowing operation

Pruning Specification (Late fall or winter)

Description and Execution:

- 1) Cut back flopping perennials to allow for continued blooming through growing season.
- 2) Upright perennials with an upright seedhead shall be left to overwinter as they provide wildlife benefits, such as switchgrass and coneflower.
- 3) After the winter, grasses and perennials shall be cut back to 4-6" from the ground, typically during February maintenance, unless otherwise directed by the County.
- 4) Pruning of shrubs shall only occur one time annually to maintain their natural form and size, and to promote plant health. Pruning shall be done very prudently and supervised by the Foreman.

Mulch Replenishment - 2" new mulch per SF (Supplied by County)

Line Item V100-02 - Bioretention - Mulch Replenishment - (CY)

This Line Item is for the pickup and installation of 2" of new mulch based on square footage of vegetated facilities (the quantity is automatically entered in the formula in Schedule A).

Description and Execution:

- 1) One time annually, in early spring (February) the Contractor shall replenish existing mulch with 2" of mulch to maintain no more than a total depth of 3".
- 2) Additional mulch may be installed at other times of the year at the direction of the Project Manager.
- 3) The Contractor shall pickup and install County provided mulch per the design specification in the Construction Documents.
- 4) County mulch is located at the Earth Products Yard in the Trades Center at 4300 29th St S, Arlington, VA 22206
- 5) Compacted or "plated" existing mulch shall be loosened before new mulch is added.
- 6) Redistribute mulch displaced by runoff throughout the facility.
- 7) Per the approved design, cover exposed soil with displaced mulch and rake evenly.
- 8) Mulch must not contact the bark or trunks of trees or shrubs, or the stems of plants.
- 9) Mulch should NOT be mounded on any tree trunk.

Mulch Replenishment - 2" new mulch per SF (Supplied by Contractor)

Line Item V100-03 - Bioretention - Mulch Replenishment - (CY)

This Line Item is for the purchase and installation of 2" of new mulch based on square footage of vegetated facilities (the quantity is automatically entered in the formula in Schedule A).

Description and Execution:

- 1) One time annually, in early spring (February) the Contractor shall replenish existing mulch with 2" of mulch to maintain no more than a total depth of 3".
- 2) Additional mulch may be installed at other times of the year at the direction of the Project Manager.
- 3) The Contractor shall provide and install double-shredded hardwood bark mulch per the design specification in the Construction Documents.
- 4) Pine bark mulch and dyed mulch is not acceptable.
- 5) Compacted or "plated" existing mulch shall be loosened before new mulch is added.
- 6) Redistribute mulch displaced by runoff throughout the facility.
- 7) Per the approved design, cover exposed soil with displaced mulch and rake evenly.
- 8) Mulch must not contact the bark or trunks of trees or shrubs, or the stems of plants.
- 9) Mulch should NOT be mounded on any tree trunk.

B. Bioretention - As-Needed Services

All prices shall include mobilization, materials, labor, equipment, haul and disposal, unless otherwise noted. The Contractor shall include the cost of 2 CY of disposal for **each** visit to **each** facility in this sub-task.

These As-Needed items are outside the scope of "Routine." The Contractor shall be billed on a per unit basis.

Bioretention Filter Media Replenishment

Line Item V100-04 - Bioretention Filter Media [Soil] Replenishment (CY)

Description and Materials: Work consists of providing Bioretention Filter Media to patch small areas of erosion or slumping of media in facility basins.

Bioretention Filter Media shall conform to Arlington County's specification. The filter media must meet specific tests and may be purchased from Arlington County's approved vendor list to meet these. The Contractor shall review the Construction Documents to ensure that they install the proper media per the approved plans.

The approved vendor list can be found on the Stormwater Management - Notices to Industry page of Arlington County's website:
<https://building.arlingtonva.us/codes-ordinances/stormwater-management/notices-to-industry/>

Stone Replenishment (TN)

Line Item V100-05 - Furnish and Install - Washed River Rock 3-6" (TN)

River rock shall be washed and shall be 3-6" washed river rock (Delaware Valley or similar) with at least 50% greater than 4" in diameter.

Line Item V100-06 - Furnish and Install - Washed River Rock 5-8" (TN)

River rock shall be washed and shall be 5-8" washed river rock (Delaware Valley or similar) with at least 50% greater than 6" in diameter.

Line Item V100-07 - Furnish and Install - Pea Gravel (TN)

Line Item V100-08 - Furnish and Install - #57 Stone (TN)

Line Item V100-09A - Furnish and Install - Class A1 Riprap 4-8" (TN)

Line Item V100-09B - Furnish and Install - Class 1 Riprap (TN)

Line Item V100-09C - Furnish and Install - AASHTO 31 Surge Stone (TN)

Description: Work consists of provision and installation of river rock (Delaware Valley or similar), pea gravel, #57 stone, riprap, or surge for inlets, outlets, or check dams requiring replenishment or enhancement of existing stone per the original design specification or otherwise directed by the Project Manager.

Geotextile Filter Fabric (Non-woven) (SF)

Line Item V100-10 - Geotextile Filter Fabric (SF)

Description: Work consist of installing and anchoring geotextile filter fabric as needed below river cobble or rip rap to prevent erosion. Geotextile filter fabric shall be non-woven polypropylene geotextile with a flow rate of >110 gal/min/sq ft (e.g., Geotex 351 or equivalent). Refer to Construction Documents for exact replacement for each facility.

Plant Replacement for Bioretention and other facilities

1) Contractor Supplied Plant Material

Line Item V100-12 - Furnish & Plant Medium/Large Tree - 2-2.5" caliper (EA)

Line Item V100-13 - Furnish & Plant Small Tree - 1-1.5" caliper (EA)

Line Item V100-14 - Furnish & Plant Shrub - 5 Gallon (EA)

Line Item V100-15 - Furnish & Plant Shrub - 3 Gallon (EA)

Line Item V100-16 - Furnish & Plant Perennial - 1 Gallon (EA)

Line Item V100-17 - Furnish & Plant Perennial - 1 Quart (EA)

Line Item V100-18 - Furnish & Plant Perennial -Landscape (Deep) Plugs (must be a minimum 4" deep) (EA)

Line Item V100-19 - Furnish & Plant Whips - 18-24" Bareroot Woody Seedlings (EA) Whips shall be dug with adequate fibrous roots. Do not root prune. Roots shall be protected during handling and planting to guard against drying out and damage.

2) County Supplied Plant Material

Line Item V100-20 - Pickup & Plant Medium/Large Tree - 2-2.5" caliper (EA)

Line Item V100-21 - Pickup & Plant Small Tree - 1-1.5" caliper (EA)

Line Item V100-22 - Pickup & Plant Shrub - 5 Gallon (EA)

Line Item V100-23 - Pickup & Plant Shrub - 3 Gallon (EA)

Line Item V100-24 - Pickup & Plant Perennial - 1 Gallon (EA)

Line Item V100-25 - Pickup & Plant Perennial - 1 Quart (EA)

Line Item V100-26 - Pickup & Plant Perennial - Landscape (Deep) Plugs (must be a minimum 4" deep) (EA)

Line Item V100-27 - Pickup & Plant Whips - 18-24" bareroot woody seedlings (EA) Do not root prune. Roots shall be protected during handling and planting to guard against drying out and damage.

Prices shall include three (3) waterings (the day of and two additional waterings)

Description, Materials and Execution: As-Needed enhancement and installation of plant material which is either 1) Supplied by the Contractor, or 2) Supplied by the County and picked up within Arlington County.

During each inspection the plant material shall be inventoried for dead plant material. If the facility has less than 85% vegetative coverage the Contractor shall replace vegetation with exact replacement according to the planting plan unless otherwise directed by a County Project Manager. The Contractor shall purchase and install plant material per the approved planting plan. Substitutions will not be permitted unless written proposal is approved by the County Project Manager.

Photograph Newly Planted Vegetation: The Contractor shall photograph the newly planted material in order to track for warranty.

Rejection: Any material and/or work may be rejected by the County if it does not meet the specifications. All rejected material must be removed from the site by the Contractor within 48 hours. All rejected plant material must be documented by the Crew Foreman. It is the responsibility of the Contractor to replace the rejected material and work required to install the material at no cost to the County; the County reserves the

right to not require replacement, in which case the Contractor will not bill for the rejected material.

Timing: The season for planting trees and shrubs must be October 15 to May 15; the season for perennials and grasses must be April 1 to May 15 and September 15 to November 15, unless otherwise approved by the County. Plantings will only occur when weather and soil conditions will permit the successful establishment of plants and only at the County's discretion.

Watering: The Contractor must provide one initial watering after planting the day plants are installed and must then water once a week (once every 7 days) starting 7 days after planting for 3 consecutive weeks after installation, for a **total of 3 waterings including planting day**. A weekly watering may be skipped if there is a 1" rainstorm at the facility during that 7 day period. All watering must occur using a hose with nozzle end breaker or a sprinkler. Water must be applied in enough quantities to saturate the soil to a depth of at least 4 inches. Water must be applied at low water pressure directly to each plant, allowing water to infiltrate/percolate throughout the planting pit. The soil shall be saturated, but without runoff. The Contractor must avoid application of too much water. Watering beyond the initial watering and three consecutive weeks will be considered additional (per Line Item V100-16 below).

Warranty/Replacement: All plants shall be covered under warranty to be in good health, vigorous, and be in a thriving condition as determined by the County after one full growing season (or one year from the planting). Deciduous material will be guaranteed to break dormancy if planted in the dormant season. Any material that is 25% dead or more shall be considered dead and must be replaced at no charge.

The Contractor must replace all dead plants at no charge to the County. Replacements will be made, after approval by the County, during the next appropriate planting period and the replacements must be of the same size and species as originally specified. The Contractor must be responsible for meeting the required warranties. The Contractor will not be responsible for plant material that has been damaged due to vandalism, fire, relocation or other activities beyond the Contractor's control as determined by the County.

Final Inspection: The County may conduct an inspection within the first month after plants break dormancy in the first growing season after planting (as specified above). Any plant material or installation that does not meet the Warranty must be replaced by the Contractor at the Contractor's expense.

Additional Watering

Line Item V100-28 - Additional Watering (HR)

Description: This work is for additional watering of landscaped areas as directed and approved by the County. The County may request additional watering at any time.

Watering shall occur under the following conditions:

- 1) Plants and sod that are in their first growing season after installation (June-September) should receive the equivalent of 1 inch of water, if there has been 7 days or more without rain.
- 2) Established plants and sod beyond their first growing season should receive the equivalent of 1 inch of water if temperatures have exceeded 95 degrees Fahrenheit for 7 days or more.
- 3) Established plants beyond their first growing season should receive the equivalent of 1 inch of water between June and September if there has been 3 weeks (21 days) or more with no rain.

Turf Establishment by Sod

Line Item V100-29 - Furnish and Install Sod for Turf Establishment (SY)

Prices shall include three (3) waterings (the day of and two additional waterings)

Description and Materials: This work consists of soil preparation, liming, watering, and placing grass sod on areas adjacent to bioretention facilities. Sod must be of high quality and free from noxious weeds and excessive amounts of insects, diseases, and weed plants at the time of harvest. All sod must be laid on site no more than 36 hours after harvest.

Execution:

1. All areas with sod installed must conform to the finished grades or as specified by the County and be free of all weeds, trash, debris, brush, clods, and other foreign materials larger than 1 inch in diameter or length that would interfere with future grass maintenance. All gullies, washes or disturbed areas that develop subsequent to final dressing must be repaired prior to sodding.
2. Sodding must be performed during the Spring (March 1-May 1) or Fall (September 1-November 15) unless otherwise directed by the County.
3. Sod must not be installed on frozen ground or when the temperature is 32°F/0°C or lower.
4. Before installing sod, compacted soils must be loosened with rototillers, disk harrows, chisel plows, or other approved equipment, to a minimum depth of 4 inches. All stones over $\frac{3}{4}$ inch in any dimension must be removed from the top 4 inches of soil by use of a "Rock Hound" or other means.
5. The soil must be irrigated within 12 to 24 hours prior to laying the sod. Sod should not be installed on soil that is dry and powdery. The soil must be watered immediately prior to laying the sod. The Contractor is responsible for all watering necessary to establish good stands of turf.
6. All sod must be installed perpendicular to slopes. Use longest possible rolls or lengths. Small pieces of sod may be used to fill irregular areas. Use lengths of 4 feet or more in ditch inverts and swales. Sod joints must be staggered.
7. All sod installed in swales, ditches and/or on slopes with grade 3:1 or steeper, must be stapled or pegged at a minimum of 4 pegs per square yard of sod. Stakes will be untreated wood pegs, or metal staples. Stakes/staples are to be driven flush with the sod.
8. Sod must be thoroughly **watered a minimum of three times after installation**. The sod is to be kept moist in order to promote root

establishment. The first watering must be immediately (usually within 30 minutes to one hour) after the sod is installed; saturate the soil to depth of 3 inches below the sod. The second watering must be within 5 days after the sod is installed and the third watering must be scheduled within 10 days after the sod is installed. A minimum of 24 hours must elapse between the second and third watering. Before final acceptance the Contractor must repair or replace any sod that is defective or damaged due to Contractor's negligence at no additional cost to the County.

9. Sodding must be done in accordance with Virginia DDOT Specifications Section 604 (<http://www.viriniadot.org/business/resources/const/2007specbook.pdf>)

Warranty:

1. The Contractor must maintain a 1 year, 85% per 1000 square foot area, care and replacement warranty on all permanent turf establishments. One year following final inspection and approval by the County, the Contractor must be responsible for installing new sod on all areas experiencing less than a eighty-five percent (85%) survival rate,
2. The warranty period must begin after final inspection and approval by the County.

2) Filterra – Description of Routine Maintenance Services

All prices shall include mobilization, materials, labor, equipment, haul and disposal, unless otherwise noted. The Contractor shall include the cost of 1 CY of disposal for **each** visit to **each** facility in this sub-task.

A. Filterra - Description of Routine Maintenance Services

This specification details the County's expectations for Routine Maintenance of facilities listed on **Schedule A**. They are the essential tasks which should be checked during each Inspection and Maintenance visit and condition noted on the Maintenance Inspection Form. Tasks will fluctuate depending on time of visit, growing season, facility age, facility design, stormwater impacts and human impacts. Weeding will occur at every visit.

All inlets to be cleaned are surface inlets, and do not require OSHA confined space entry.

ROUTINE FILTERRA MAINTENANCE TASKS:

During each maintenance visit, the Contractor shall review the design of the facility in the Construction Drawings and perform the following tasks, as needed.

Line Item V101-01 – Filterra – Routine Inspection & Maintenance (SF)

Description: Filterra® is proprietary stormwater management facility manufactured by Americast Inc. Filterra is a tree box consists of an inlet box filled with filter media, double shredded hardwood mulch, trees or shrubs, and underdrain piping. Filterra facilities shall be inspected and maintained based on the "Schedule A: Maintenance Schedule by Location".

Materials and Execution: During the assigned visit, the following tasks shall be performed as needed:

- 1) Remove trash, debris, and sediment from within the inlet and from 20 feet upstream of inlet along the flow path, and from tree box ground surface.
- 2) Remove energy dissipating stone at inlet on top of mulch and placing it back over the new mulch layer upon completion of maintenance.
- 3) Replenish mulch to 3". Contaminated or degraded mulch must be removed prior to replenishment.
- 4) Remove weeds.
- 5) Carefully prune trees and/or shrubs, damaged branches, branches interfering with sidewalk and/or street accessibility, or sight lines.

If tree boxes require additional soil media, it is a proprietary mix from the manufacturer; Additional soil media is an As-Needed service (See Line Item V101-04).

Mulch Replenishment - 2" new per SF (Supplied by County)

Line Item V101-02 - Filterra - Mulch Replenishment (CY)

This Line Item is for the pickup and installation of 2" of new mulch based on square footage of Filterras (the quantity is automatically entered in the formula in Schedule A). If additional mulch is needed the Contractor shall use Line Item V100-3B - Mulch Replenishment Supplied by Contractor under Schedule B: As-Needed Services.

Description and Execution:

- 1) One time annually, in early spring (February) the Contractor shall replenish existing mulch with 2" of mulch to maintain no more than a total depth of 3".
- 2) Additional mulch may be installed at other times of the year at the direction of the Project Manager.
- 3) The Contractor shall pickup and install County provided mulch per the design specification in the Construction Documents.
- 4) County mulch is located at the Earth Products Yard in the Trades Center at 4300 29th St S, Arlington, VA 22206
- 5) Compacted or "plated" existing mulch shall be loosened before new mulch is added.
- 6) Redistribute mulch displaced by runoff throughout the facility.
- 7) Per the approved design, cover exposed soil with displaced mulch and rake evenly.
- 8) Mulch must not make contact with the bark or trunks of trees or shrubs, or the stems of plants.
- 9) Mulch should NOT be mounded on any tree trunk.

B. Filterra - As-Needed Services

All prices shall include mobilization, materials, labor, equipment, haul and disposal, unless otherwise noted. The Contractor shall include the cost of 1 CY of disposal for **each** visit to **each** facility in this sub-task.

These As-Needed items are outside the scope of "Routine." The Contractor shall be billed on a per unit basis. As-Needed Services may be to restore the

functionality of a facility. The As-Needed hourly rates will apply to services which are not covered by the bid items such as emergency repairs, clearing blocked underdrains, replacement of proprietary media, etc.

Filterra – Filter Media Replenishment (Proprietary Mix)

Line Item V101-03 – Filterra – Filter Media Replenishment (CY)

Description, Material and Execution: This work consists of removing of the old Filterra filter media and installing new filter media inside the existing Filterra stormwater facility. The Filterra Filter Media must be obtained from the manufacturer. Removal of old filter media and installation of new media must be in accordance with the manufacturer's recommendations and requirements stated in the Contract Documents and other sections of these specifications.

3) Permeable Pavement

All prices shall include mobilization, materials, labor, equipment, haul and disposal, unless otherwise noted. The Contractor shall include the cost of **1 CY** of disposal for **each** visit to **each** facility in this sub-task.

The most important maintenance task associated with permeable surfaces is regular removal of surface debris.

A. Permeable Pavement - Description of Routine Maintenance Services

Line Item P100-01 – Permeable Pavement – Routine Inspection & Maintenance (SF)

This specification details the County's expectations for Routine Inspection and Maintenance of facilities listed on **Schedule A**. These are the essential tasks which shall be checked during each Inspection and Maintenance visit and condition noted on the Maintenance or Inspection Form. Tasks will vary depending on time of visit, season, facility age, facility design, stormwater and human impacts. Weeding will occur at every visit. This specification should be used for the maintenance of permeable pavers, synthetic turf, permeable concrete, flexible and inflexible poly bound pavements, or other permeable pavement systems.

Materials and Execution: Shovels, rakes, brooms, blowers, and other equipment may be used to remove sediment and debris. Mechanical sweepers and power washing are not permitted. No sediment or debris shall be swept or washed into the facility or into a storm drain. All sediment must be collected and legally disposed of at a landfill. Maintenance shall not be completed within 72 hours of rainfall.

ROUTINE PERMEABLE PAVEMENT MAINTENANCE TASKS:

During each maintenance visit, the Contractor shall review the design of the facility in the Construction Drawings and perform the following tasks, as needed:

Description: Permeable pavements allow rainwater to infiltrate through the voids of the pavement and into the storage stone layer beneath with the goal of infiltrating into the soil below. Maintenance involves blowing debris off the surface of the pavement, removing weeds, and removing stains.

Materials and Execution: The common inspection and maintenance tasks for permeable surfaces are: 1) verify that clogging has not occurred, 2) removal of debris from the surface, 3) weeding, and 4) stain removal. During the assigned visit, the following tasks shall be performed as needed:

- 1) Hand pull weeds from between pavers being careful to pull up all roots (do not use herbicides)
- 2) Blow all sediment and debris off pavement surface. Collect and remove any trash or other inorganic debris. Do not leave gravel in adjacent landscaping or other areas.
- 3) Blow all sediment and debris within 20 feet of the pavement or any contributing conveyance path
- 4) Remove any stains from the pavement surface.
- 5) Inspect the surface for deterioration, spalling or raveling (breaking off in fragments)
- 6) Inspect to make sure that the paving is dewatering between storms
- 7) Inspect to make sure that upland and adjacent landscaped areas are not bare and washing soil onto the pavement
- 8) Inspect to make sure grease or other toxins are not being washed onto the paved area during rain events

B. Permeable Pavement – As-Needed Services

All prices shall include mobilization, materials, labor, equipment, haul and disposal, unless otherwise noted.

These As-Needed items are outside the scope of "Routine." The Contractor shall be billed on a per unit basis. As-Needed Services may be to restore the functionality of a facility. The As-Needed hourly rates will apply to services which are not covered by the bid items such as emergency repairs.

Line Item P100-02 - Permeable Pavement -3/8" Aggregate Replenishment (for an average of 2" New Aggregate) (TN)

Description, Material and Execution: This Line Item is for the purchase and installation of new aggregate (based on square footage of permeable paved facilities). This Line Item shall be used to replenish the aggregate to fill paver voids which may be swept up from between segmented permeable pavement. VDOT #8 even graded stone (ASTM D448).

Line Item P100-03 - Permeable Pavement - Weeding (HR)

Description and Execution: This Line Item shall be used to weed permeable pavements outside of regular maintenance of permeable pavement.

Line Item P100-04 - Permeable Pavement - Infiltration Testing (EA)

Description and Execution: This Line Item shall be used to perform infiltration testing following ASTM C1781 - Standard Test Method for Surface Infiltration Rate of Permeable Unit Pavement Systems. For this contract, the test may be performed by the Crew Foreman/Inspector and does not have to be performed by an Engineer.

4) Other As-Needed Services

All prices shall include mobilization, materials, labor, equipment, haul and disposal, unless otherwise noted.

INFRASTRUCTURE MAINTENANCE

Line Item V102-03 - Excessive Sediment/Silt Removal (CY)

Description and Execution: This work includes removal of excess sediment. All sediment shall be removed and disposed of at a landfill.

SITE STABILIZATION

Line Item V102-07 - Furnish and Install Topsoil (CY)

Description and Execution: This work includes furnishing and installing topsoil. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. Soils having low moisture content, low nutrient levels, low pH, materials toxicity to plants, and/or unacceptable soil gradation are not acceptable. Topsoil must not be a mixture of contrasting textured subsoils and shall contain less than 5 % by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2 " in diameter. It must be free of plants or plant parts of Bermuda grass, Quack grass, Johnson grass, Nutsedge, Poison Ivy, Phragmites, Canada thistle, or any noxious weeds and contain no substances harmful to plant growth. The soil shall have a pH between 5.5-6.5. Organic matter shall be greater than 5%. Maximum sand content in topsoil shall be 50%.

Furnish and Install Seeds for Turf Establishment (Broadcast or Hydroseeding)

Description and Execution: Seeding and mulching per VDOT specification:

Line Item V102-09 - Seed Mix 50% K-31; 50% Annual Rye (SY)

Line Item V102-10 - Seed Mix 75% K-31 and 25% Annual Rye (LB)

Line Item V102-11 - Application of Wetland Seed Mix - Ernst Seed #120 (LB)

Line Item V102-12 - Application of Wetland Seed Mix - Ernst Seed #131 (LB)

Line Item V102-13 - Furnish and Install Straw Mulch (SY)

EROSION AND SEDIMENT CONTROL

Line Item V102-24 - Furnish and Install Curlex NetFree (or Approved Synthetic Material Free Equal) (SY)

VEGETATION MANAGEMENT

Line Item V102-26 - Tree Removal (2"-4") (EACH)

Description and Execution: This Line Item shall be used if tree removal exceeds regular weeding under routine work. The Contractor shall remove trees and brush between 2"-4" inches in diameter.

Line Item V102-27 - Weeding (HR)

Description and Execution: This Line Item shall be used for weeding outside of routine work in hardscape areas, landscape areas, and embankments.

MISCELLANEOUS

Line Item V102-30 - Repairs from Burrowing Animals (SY)

Description and Execution: The Contractor may note holes, dens and erosion due to animal activity on the top and side slopes of dam embankments or elsewhere. Holes may eventually cause the dam to fail by providing a pathway for water to flow and cause erosion. Animal burrows must be repaired by "mud-packing" using a slurry mixture consisting of 90% soil, 10% cement and water. Disturbed areas must be backfilled with topsoil and stabilized with seed and mulch.

Line Item V102-33 - Rubber-Tracked Skid Steer Loader (Small) (HR)

Description and Execution: With Operator. Hourly rental for equipment rental time that the loader is in use only.

Line Item V102-34 - Rubber-Tracked Compact/Mini Excavator (HR)

Description and Execution: With Operator. Hourly rental for equipment rental time that the excavator is in use only.

Line Item V102-35 - Rubber-Tired Front-End Loader/Backhoe (HR)

Description and Execution: With Operator. Hourly rental for equipment rental time that the loader/backhoe is in use only.

5) Labor Rates - Hourly (HR), Overtime and Emergency (O/E)

CF - Crew Foreman/Inspector (HR and O/E)
LAB - Laborer (HR and O/E)
FLAG - VDOT Certified Flagger (HR and O/E)
ARB - Certified Arborist (HR and O/E)

L E G E N D										
COLOR	CONTRACTOR INSTRUCTIONS									
\$-	To Be Entered by Contractor									
\$-	Automatically Calculated and Brought Forward (<i>Contractor Should not Alter</i>)									
\$-	Automatically Calculated (<i>Contractor Should not Alter</i>)									
Unit Description	Each	Crew-Hour	Linear Foot	Cubic Yard	Square Yard	Ton	Lump Sum	Hour	Overtime/Emergency	Per 100 Gallons
Abbreviation	EA	Crew-Hr	LF	CY	SY	TN	LS	HR	O/E	100GAL

EXHIBIT C

**STORMWATER MANAGEMENT FACILITIES
SCHEDULE A - MAINTENANCE PRICING SCHEDULE BY LOCATION**

FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, DISPOSAL & HAUL FOR THE INSPECTION & MAINTENANCE
OF COUNTY-OWNED STORMWATER MANAGEMENT FACILITIES IN ARLINGTON, VIRGINIA

CONTRACTOR: PLEASE PROVIDE PRICES IN ALL CELLS HIGHLIGHTED IN BLUE

**SCHEDULE A - MAINTENANCE PRICING SCHEDULE BY LOCATION
FACILITIES COST BREAKDOWN BY LOCATION**

OWNER	LAT	LONG	FACILITY ID	CSP	FACILITY LOCATION	FACILITY ADDRESS	FACILITY DESCRIPTION	RELEASE	Pretreatment	SERVICE SPEC (LINE ITEM #)	SIZE (SF)	SERVICE MONTHS **	ANNUAL VISITS	UNIT PRICE (PER SITE VISIT)	ONE-YEAR CONTRACT PRICE
FMB	38.857018	-77.111997	08-1079D	1100807	ARL MILL COMM CTR	4975 COLUMBIA PIKE	FILTERRA	UNDERDRAIN	Filter Strip	V101-01	24	AUG FEB	2	\$ 355.40	\$ 710.80
FMB	38.857411	-77.058729	03-872B	767	FIRE STATION #5	1750 S HAYES ST	FILTERRA	UNDERDRAIN	Filter Strip	V101-01	24	AUG FEB	2	\$ 355.40	\$ 710.80
FMB	38.857341	-77.058629	03-872C	767	FIRE STATION #5	1750 S HAYES ST	FILTERRA	UNDERDRAIN	Filter Strip	V101-01	24	AUG FEB	2	\$ 355.40	\$ 710.80
FMB	38.883699	-77.106263	89-362	453	CENTRAL LIBRARY	1015 N QUINCY ST	DRY POND w/CONCRETE SWALE - GRASS	OUTLET TO STORM DRAIN		V100-01	4,570	AUG	1	\$ 1,066.20	\$ 1,066.20
FMB	38.857425	-77.058036	03-872A	767	FIRE STATION #5	1750 S HAYES ST	BIORETENTION	UNDERDRAIN	Stone Diaphragm	V100-01	225	AUG OCT DEC FEB APR JUN	6	\$ 355.40	\$ 2,132.40
FMB	38.901976	-77.096898	07-1069B	501542	WOODMONT COMM CTR	2422 N FILLMORE ST	BIORETENTION W/STORMCHAMBER	34" STORMCHAMBER UNDERDRAIN TO STORM DRAIN	Grass Filter Strip	V100-01	943	AUG OCT DEC FEB APR JUN	6	\$ 355.40	\$ 2,132.40
FMB	38.897104	-77.127622	15-2115A	15252	FIRE STATION HOUSE	2217 N CULPEPPER ST	SW PLANTER 1 - 9"	UNDERDRAIN TO TRENCH	Stone Diaphragm	V100-01	32	AUG FEB	2	\$ 177.70	\$ 355.40
FMB	38.897083	-77.127537	15-2115B	15252	FIRE STATION HOUSE	2217 N CULPEPPER ST	INFILTRATION TRENCH - GRAVEL	INFILTRATION	Planter Box, Drain Pit	V100-01	32	AUG FEB	2	\$ 177.70	\$ 355.40
FMB	38.856303	-77.11175	08-1079B	1100807	ARL MILL COMM CTR	4975 COLUMBIA PIKE	PERMEABLE PAVERS - OW	UNDERDRAIN TO DETENTION VAULT		P100-01	8,276	MAR JULY DEC	3	\$ 2,120.80	\$ 6,362.40
FMB	38.897831	-77.110474	06-1022D	934	FIRE STATION #3	4100 OLD DOMINION DR	PERMEABLE PAVERS	INFILTRATION		P100-01	2,200	MAR JULY DEC	3	\$ 1,060.40	\$ 3,181.20
FMB	38.857685	-77.058683	03-872D	767	FIRE STATION #5	1750 S HAYES ST	OPEN BLOCK PERMEABLE PAVERS	INFILTRATION		P100-01	2,830	MAR JULY DEC	3	\$ 1,060.40	\$ 3,181.20
FMB	38.851756	-77.092373	13-1522	13187	FIRE STATION #9	1900 S WALTER REED DR	PAVE DRAIN PERM PAVERS - OW	INFILTRATION		P100-01	1,730	MAR JULY DEC	3	\$ 1,060.40	\$ 3,181.20
FMB	38.844692	-77.066814	18-0156A	19050	HEAD START A	2920 S GLEBE ROAD	SYNTHETIC TURF* - OW	Underdrain	Sump Pit	P100-01	645	MAR	1	\$ 112.50	\$ 112.50
FMB	38.844799	-77.066827	18-0156B	19050	HEAD START B	2920 S GLEBE ROAD	SYNTHETIC TURF* - OW	Underdrain		P100-01	1,470	MAR	1	\$ 112.50	\$ 112.50
FMB	38.844751	-77.066972	18-0156C	19050	HEAD START C	2920 S GLEBE ROAD	SYNTHETIC TURF* - OW	Underdrain	Sump Pit	P100-01	1,578	MAR	1	\$ 112.50	\$ 112.50

*inspection only

OWNER	LAT	LONG	FACILITY ID	CSP	FACILITY LOCATION	FACILITY ADDRESS	FACILITY DESCRIPTION	RELEASE	Pretreatment	SERVICE SPEC (LINE ITEM #)	SIZE (SF)	SERVICE MONTHS **	ANNUAL VISITS	UNIT PRICE (PER SITE VISIT)	ONE-YEAR CONTRACT PRICE
OSEM	38.843711	-77.085879	2012-3	4620275	WEENIE BEENIE	2680 S SHIRLINGTON RD	DRY SWALE - GRASS	UNDERDRAIN		V100-01	325	AUG	1	\$ 112.50	\$ 112.50
OSEM	38.919269	-77.120925	2014-4A	99997	GULF BRANCH NATURE CTR	3608 N MILITARY RD	SW PLANTER - 3"	UNDERDRAIN	Stone Diaphragm	V100-01	175	AUG FEB	2	\$ 355.40	\$ 710.80
OSEM	38.919246	-77.121027	2014-4B	99997	GULF BRANCH NATURE CTR	3608 N MILITARY RD	SW PLANTER - 3"	UNDERDRAIN	Stone Diaphragm	V100-01	60	AUG FEB	2	\$ 355.40	\$ 710.80
OSEM	38.86087	-77.060035	2014-5A	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	100	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.861155	-77.060003	2014-5B	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	100	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.861459	-77.059987	2014-5C	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	100	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.861722	-77.059959	2014-5D	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	100	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.862113	-77.059903	2014-5E	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	100	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.863524	-77.059574	2014-5F	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	50	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.863802	-77.05945	2014-5G	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	50	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.864058	-77.05933	2014-5H	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	50	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.864494	-77.059101	2014-5I	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	50	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.864815	-77.058948	2014-5J	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	50	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.86505	-77.058866	2014-5K	4615133	PENTAGON CITY	1200 S HAYES ST	SW PLANTER	UNDERDRAIN	Stone or Concrete	V100-01	50	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.863653	-77.059236	2014-5L	4615133	PENTAGON CITY	1100 S HAYES ST	BIORETENTION	UNDERDRAIN	Stone Diaphragm	V100-01	1,548	JUL AUG SEP OCT DEC FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.863823	-77.095843	2015-6	4620326	8TH ST S	8TH ST S @ S MONROE ST	BIORETENTION	UNDERDRAIN TO CATCH BASIN	Stone Diaphragm	V100-01	609	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.899428	-77.123711	2012-2	4620269	N ALBEMARLE ST	N ALBEMARLE ST @ 23rd ST N	BIORETENTION	UNDERDRAIN	Stone Diaphragm	V100-01	578	AUG OCT DEC FEB APR JUN	6	\$ 710.80	\$ 4,264.80

FYI - The table below calculates the Total Annual SF and the Total Annual Cost.

Those costs are transferred to the Routine Line Items and Summary Table (bottom left)

BIORETENTION		FILTERRA		PERMEABLE PAVEMENT	
TOTAL ANNUAL SF	TOTAL ANNUAL COST	TOTAL ANNUAL SF	TOTAL ANNUAL COST	TOTAL ANNUAL SF	TOTAL ANNUAL COST
		48	\$710.80		
		48	\$710.80		
		48	\$710.80		
4,570	\$1,066.20				
1,350	\$2,132.40				
5,658	\$2,132.40				
64	\$355.40				
64	\$355.40				
				24,828	\$6,362.40
				6,600	\$3,181.20
				8,490	\$3,181.20
				5,190	\$3,181.20
				645	\$112.50
				1,470	\$112.50
				1,578	\$112.50
TOTAL ANNUAL SF	TOTAL ANNUAL COST	TOTAL ANNUAL SF	TOTAL ANNUAL COST	TOTAL ANNUAL SF	TOTAL ANNUAL COST
325	\$112.50				
350	\$710.80				
120	\$710.80				
900	\$3,198.60				
900	\$3,198.60				
900	\$3,198.60				
900	\$3,198.60				
900	\$3,198.60				
450	\$3,198.60				
450	\$3,198.60				
450	\$3,198.60				
450	\$3,198.60				
450	\$3,198.60				
450	\$3,198.60				
13,932	\$6,397.20				
5,481	\$6,397.20				
3,468	\$4,264.80				

#	PLAN NAME	FACILITY ID	FACILITY DESCRIPTION	SERVICE SPEC (LINE ITEM #)	SIZE (SF)	SERVICE MONTHS **	ANNUAL VISITS	UNIT PRICE (PER SITE VISIT)	ONE-YEAR CONTRACT PRICE						
OSEM	38.87705	-77.141782	2011-1A	4620279	PATRICK HENRY DRIVE	949 PATRICK HENRY DR	BIORETENTION	UNDERDRAIN	Stone Diaphragm	V100-01	823	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.876827	-77.141878	2011-1B	4620279	PATRICK HENRY DRIVE	949 PATRICK HENRY DR	BIORETENTION	UNDERDRAIN	Stone Diaphragm	V100-01	253	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.89180875	-77.13519084	15-1926	15042	PATRICK HENRY DRIVE	2013 PATRICK HENRY DR	BIORETENTION	Underdrain, overflows back into street	Stone Diaphragm	V100-01	470	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.90396159	-77.12517334	16-0103	16109	26TH ST LEAF STORAGE SITE	4628 26TH ST N	BIORETENTION	Underdrain	Concrete Forebay	V100-01	1,730	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 1,421.60	\$ 12,794.40
OSEM	38.88661696	-77.09081212	15-2067A	15196	11ST N PARK	11TH ST N @ N DANVILLE ST	BIORETENTION - 12"	Underdrain to storm sewer	Stone Diaphragm	V100-01	201	AUG OCT DEC FEB APR JUN	6	\$ 177.70	\$ 1,066.20
OSEM	38.88679195	-77.09046675	15-2067B	15196	11ST N PARK	11TH ST N @ N DANVILLE ST	BIORETENTION - 6"	Underdrain to storm sewer	Stone Diaphragm	V100-01	88	AUG OCT DEC FEB APR JUN	6	\$ 177.70	\$ 1,066.20
OSEM	38.90368628	-77.15018143	15-1971A	15094	JOHN MARSHALL DR	3112 JOHN MARSHALL DR	BIORETENTION - 12"	Underdrain to storm sewer	Stone Diaphragm	V100-01	2,245	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 1,777.00	\$ 15,993.00
OSEM	38.90329185	-77.14996825	15-1971B	15094	JOHN MARSHALL DR	3101 JOHN MARSHALL DR	BIORETENTION - 12"	Underdrain to storm sewer	Stone Diaphragm	V100-01	865	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.90358524	-77.14895629	15-1971C	15094	N KENSINGTON ST	3212 N KENSINGTON ST	BIORETENTION - 6"	Underdrain to storm sewer	Stone Diaphragm	V100-01	610	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.9032409	-77.14844096	15-1971D	15094	32ND ST N	5640 32ND ST N	BIORETENTION - 6"	Underdrain to storm sewer	Stone Diaphragm	V100-01	555	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.91147083	-77.13868475	15-2091A	15227	WILLIAMSBURG	WILLIAMSBURG @ 34TH ST N - 34TH RD N	BIORETENTION - 12"	Underdrain to storm drain	Stone Forebay	V100-01	1,598	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 1,777.00	\$ 15,993.00
OSEM	38.91168498	-77.1385905	15-2091B	15227	WILLIAMSBURG	WILLIAMSBURG @ 33RD RD - 34TH ST N	BIORETENTION - 12"	Underdrain to storm drain	Stone Forebay	V100-01	1,595	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 1,777.00	\$ 15,993.00
OSEM	38.90736663	-77.14533686	16-0320A	16347	WILLIAMSBURG	WILLIAMSBURG @ N HARRISON ST	BIORETENTION - 6"	Underdrain to storm drain	Stone Forebay	V100-01	906	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 1,421.60	\$ 12,794.40
OSEM	38.90739201	-77.14523312	16-0320B	16347	WILLIAMSBURG	WILLIAMSBURG @ N HARRISON ST	BIORETENTION - 6"	Underdrain to storm drain	Stone Forebay	V100-01	585	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 1,066.20	\$ 9,595.80
OSEM	38.88747997	-77.10052542	17-0253	17271	KIRKWOOD	N KIRKWOOD RD @ 13TH RD N	BIORETENTION - 8.5"	Underdrain to storm sewer	Stone Forebay	V100-01	644	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.87173494	-77.08391224	18-0281A	18297	PENROSE	PENROSE @2ND ST S	BIORETENTION - 8"	Underdrain to storm drain	Stone Forebay	V100-01	340	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.87179223	-77.08384093	18-0281B	18297	PENROSE	PENROSE @2ND ST S	BIORETENTION - 9.5"	Underdrain to storm drain	Stone Forebay	V100-01	436	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 394.00	\$ 3,546.00
OSEM	38.89201906	-77.14117163	18-0007	17343	KENTUCKY	N KENTUCKY ST @22ND ST N	BIORETENTION - 6"	Under drain to Storm drain	Stone Forebay	V100-01	538	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.883576	-77.12333	18-0051A	18050	EVERGREEN	N EVERGREEN ST @11ST N	BIORETENTION - 6"	Under drain to Storm drain	Stone Forebay	V100-01	794	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 710.80	\$ 6,397.20
OSEM	38.88337	-77.12408	18-0051B	18050	GEORGE MASON	GEO MASON DR @11ST N	BIORETENTION - 6"	Under drain to Storm drain	Stone Forebay	V100-01	366	JUL AUG SEP OCT NOV FEB APR MAY JUN	9	\$ 355.40	\$ 3,198.60
OSEM	38.91916142	-77.1209718	2014-4C	99997	GULF BRANCH NATURE CTR	3608 N MILITARY RD	PERMEABLE PAVERS - OW	INFILTRATION	Stone Diaphragm	P100-01	2,083	MAR JULY DEC	3	\$ 1,421.60	\$ 4,264.80

TOTAL ANNUAL SF	TOTAL ANNUAL COST	TOTAL ANNUAL SF	TOTAL ANNUAL COST	TOTAL ANNUAL SF	TOTAL ANNUAL COST
7,407	\$6,397.20				
2,277	\$3,198.60				
4,230	\$3,198.60				
15,570	\$12,794.40				
1,206	\$1,066.20				
528	\$1,066.20				
20,205	\$15,993.00				
7,785	\$6,397.20				
5,490	\$6,397.20				
4,995	\$6,397.20				
14,382	\$15,993.00				
14,355	\$15,993.00				
8,154	\$12,794.40				
5,265	\$9,595.80				
5,796	\$6,397.20				
3,060	\$3,198.60				
3,924	\$3,546.00				
4,842	\$6,397.20				
7,146	\$6,397.20				
3,294	\$3,198.60				
				6,249	\$4,264.80
		96	\$710.80		
		120	\$710.80		
6,624	\$6,397.20				
1,824	\$3,198.60				
2,700	\$3,198.60				
21,000	\$8,529.60				
4,290	\$3,198.60				
15,990	\$10,662.00				
2,940	\$3,198.60				
7,200	\$10,662.00				
7,500	\$10,662.00				
1,416	\$2,132.40				
2,496	\$2,132.40				
20,334	\$8,529.60				
3,834	\$2,132.40				
6,300	\$6,397.20				

DPR	38.88898455	-77.14135615	08-1062A	912	PARKHURST PARK	5820 20TH R N	BIORETENTION - 6"	Underdrain to storm	Stone Forebay	V100-01	1,000	AUG OCT DEC FEB APR JUN	6	\$ 710.80	\$ 4,264.80
DPR	38.86906039	-77.12881784	15-2066A	15195	PNR MAINTENANCE BUILDING	308 N KENSINGTON ST	SW PLANTER	Underdrain to Infiltration	Stone Diaphragm	V100-01	135	AUG FEB	2	\$ 177.70	\$ 355.40
DPR	38.86899156	-77.12869579	15-2066B	15195	PNR MAINTENANCE BUILDING	308 N KENSINGTON ST	INFILTRATION TRENCH - GRASS	Infiltration	Planter Box	V100-01	840	AUG	1	\$ 177.70	\$ 177.70
DPR	38.85122527	-77.10313748	17-0174B	17280	BARCROFT BASEBALL FIELD	4190 S FOUR MILE RUN DR	SW PLANTER - 6"	Underdrain to storm sewer	Stone Diaphragm	V100-01	147	AUG	1	\$ 177.70	\$ 177.70
DPR	38.87295499	-77.13943102	17-0299A	17338	POWHATAN SPRINGS PARK	6020 WILSON BLVD	BIORETENTION - 6"	Underdrain to detention	Stone Diaphragm	V100-01	950	AUG OCT DEC FEB APR JUN	6	\$ 710.80	\$ 4,264.80
DPR	38.83539877	-77.08682932	17-0094A	17095	FAIRLINGTON COMMUNITY CENTER	3308 S STAFFORD ST	DRY SWALE - GRASS	Underdrain to daylight		V100-01	585	AUG	1	\$ 177.70	\$ 177.70
DPR	38.85122527	-77.10313748	17-0174A	17280	BARCROFT BASEBALL FIELD	4190 S FOUR MILE RUN DR	PERMEABLE PAVERS - OW	Underdrain to storm sewer		V100-01	4,400	MAR JULY DEC	3	\$ 1,590.60	\$ 4,771.80
DPR	38.860134	-77.117628	15-1906B	15016	TYROL HILL PARK	5101 7TH RD S	POROUS PAVE* - OW	Infiltration		P100-01	1,798	MAR	1	\$ 112.50	\$ 112.50
DPR	38.859427	-77.118317	16-0308A	17090	TYROL HILL PARK	5101 7TH RD S	PERMEABLE PAVERS - OW	Underdrain		P100-01	14,810	MAR JULY DEC	3	\$ 3,152.00	\$ 9,456.00
DPR	38.859926	-77.11818	16-0308B	17090	TYROL HILL PARK	5101 7TH RD S	SYNTHETIC TURF* - OW	Underdrain		P100-01	3,742	MAR	1	\$ 112.50	\$ 112.50
DPR	38.896546	-77.118008	13-1507A	1301844	WOODSTOCK PARK	2049 N WOODSTOCK ST	FLEXI-PAVE*	Infiltration		P100-01	2,935	MAR	1	\$ 112.50	\$ 112.50
DPR	38.887224	-77.087432	12-1214A	1202002	ROCKY RUN PARK	1109 N BARTON ST	FLEXI-PAVE* - OW	Infiltration		P100-01	4,710	MAR	1	\$ 112.50	\$ 112.50
DPR	38.872914	-77.08522	15-1927	15044	BUTLER HOLMES PARK	101 S BARTON ST	FLEXI-PAVE*	Infiltration		P100-01	1,794	MAR	1	\$ 112.00	\$ 112.00
DPR	38.890649	-77.075128	12-3000	1200609	FORT MYER HEIGHTS PARK	1400 N FORT MYER DR	SYNTHETIC TURF*	UNDERDRAIN TO DRAIN PIT TO POP-UP EMITTER		P100-01	3,000	MAR	1	\$ 112.00	\$ 112.00
DPR	38.86807165	-77.04481186	08-1065	918	LONG BRIDGE PARK	475 LONG BRIDGE DR	PERVIOUS CONCRETE	Infiltration		P100-01	8,570	MAR JULY DEC	3	\$ 1,060.00	\$ 3,180.00
DPR	38.89369422	-77.12716693	15-2094A	16054	HIGH VIEW PARK	1945 N DINWIDDIE ST	PERMEABLE PAVERS - OW	Underdrain to storm		P100-01	4,879	MAR JULY DEC	3	\$ 795.30	\$ 2,385.90
DPR	38.83539877	-77.08682932	17-0094A	17095	FAIRLINGTON COMMUNITY CENTER	3308 S STAFFORD ST	SYNTHETIC TURF - RIGHT SIDE*	Underdrain to daylight		P100-01	4,796	MAR	1	\$ 112.50	\$ 112.50
DPR	38.83539046	-77.08732688	17-0094B	17095	FAIRLINGTON COMMUNITY CENTER	3308 S STAFFORD ST	SYNTHETIC TURF - LEFT SIDE*	Underdrain to daylight		P100-01	5,715	MAR	1	\$ 112.00	\$ 112.00
DPR	38.83535705	-77.08704592	17-0094C	17095	FAIRLINGTON COMMUNITY CENTER	3308 S STAFFORD ST	FILTER PAVE*	Underdrain to daylight		P100-01	2,933	MAR	1	\$ 112.00	\$ 112.00
DPR	38.869698	-77.134053	17-0273	17298	REEVES FARM	400 N MANCHESTER ST	PERMEABLE PAVERS - OW	Underdrain to daylight		P100-01	540	MAR JULY DEC	3	\$ 530.20	\$ 1,590.60
DPR	38.846913	-77.070403	17-0223A	17249	GUNSTON PARK	1401 28TH ST S	SYNTHETIC TURF* - OW	Underdrain to storm		P100-01	77,045	MAR	1	\$ 112.00	\$ 112.00
													473	\$ 343,254.90	

*inspection only

** RED DENOTES MONTH OF INSPECTION WITH INSPECTION REPORT DUE BY THE 15TH OF THE MONTH FOLLOWING INSPECTION;

6,000	\$4,264.80				
270	\$355.40				
840	\$177.70				
147	\$177.70				
5,700	\$4,264.80				
585	\$177.70				
				13,200	\$4,771.80
				1,798	\$112.50
				44,430	\$9,456.00
				3,742	\$112.50
				2,935	\$112.50
				4,710	\$112.50
				1,794	\$112.00
				3,000	\$112.00
				25,710	\$3,180.00
				14,637	\$2,385.90
				4,796	\$112.50
				5,715	\$112.00
				2,933	\$112.00
				1,620	\$1,590.60
				77,045	\$112.00
300,483	\$296,685.80	360	\$3,554.00	263,115	\$43,015.10
<i>sf</i>	<i>annual cost</i>	<i>sf</i>	<i>annual cost</i>	<i>sf</i>	<i>annual cost</i>

ROUTINE LINE ITEMS AND SUMMARY TABLE

NO.	ITEM	UNIT	UNIT PRICE	ANNUAL FACTOR	TOTAL ANNUAL PRICE
BIORETENTION - ROUTINE SERVICES					
V100-01	Bioretention - Routine Inspection & Maintenance	SF	---	300,483	\$ 296,685.80
V100-02	Bioretention - Mulch Replacement (Supplied by County)	CY	\$ 40.00	1,858.5	\$ 74,341.72
V100-03	Bioretention - Mulch Replacement (Supplied by Contractor)	CY	\$ 70.00	1,858.5	\$ 130,098.01
FILTERRA - ROUTINE SERVICES					
V101-01	Filtterra - Routine Inspection & Maintenance	SF	---	360	\$ 3,554.00
V101-02	Filtterra - Mulch Replacement (Supplied by County)	CY	\$ 40.00	2.2	\$ 89.07
PERMEABLE PAVEMENT - ROUTINE SERVICES					
P100-01	Permeable Pavement - Routine Inspection & Maintenance	SF	---	263,115	\$ 43,015.10
TOTAL BID PRICE - Autopopulates in Bid Form					\$ 547,783.70

**STORMWATER MANAGEMENT FACILITIES
SCHEDULE B - UNIT PRICES FOR AS-NEEDED SERVICES**

**FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, DISPOSAL & HAUL FOR THE INSPECTION & MAINTENANCE
OF COUNTY-OWNED STORMWATER MANAGEMENT FACILITIES IN ARLINGTON, VIRGINIA**

CONTRACTOR: PLEASE PROVIDE PRICES IN ALL CELLS HIGHLIGHTED IN BLUE

SCHEDULE B - UNIT PRICES FOR AS-NEEDED SERVICES

NO.	ITEM	UNIT	UNIT PRICE	ANNUAL FACTOR	TOTAL PRICE
LINE ITEM	BIORETENTION - AS-NEEDED SERVICES			VARIES	
V100-04	Bioretention - Filter Media (Soil) Replenishment *	CY	\$ 105.00	10	\$ 1,050.00
	Bioretention - Stone Replenishment (Major)				
V100-05	Furnish, Deliver & Install - Washed River Rock 3-6"	TN	\$ 300.00	20	\$ 6,000.00
V100-06	Furnish, Deliver & Install - Washed River Rock 5-8"	TN	\$ 300.00	20	\$ 6,000.00
V100-07	Furnish, Deliver & Install - Pea Gravel	TN	\$ 80.00	20	\$ 1,600.00
V100-08	Furnish, Deliver & Install - #57 Stone	TN	\$ 80.00	20	\$ 1,600.00
V100-09A	Furnish, Deliver & Install - Class A1 Riprap 4-8"	TN	\$ 95.00	15	\$ 1,425.00
V100-09B	Furnish, Deliver & Install - Class 1 Riprap	TN	\$ 105.00	15	\$ 1,575.00
V100-09C	Furnish, Deliver & Install - AASHTO 31 Surge Stone	TN	\$ 80.00	15	\$ 1,200.00
V100-10	Bioretention - Geotextile Filter Fabric (Non-Woven)	SF	\$ 0.50	300	\$ 150.00
V100-11	NOT USED				
	Bioretention - Plant Replacement - Contractor Supplied				
V100-12	Furnish, Deliver & Install - Med/Lg Tree (2-2.5" Cal)	EA	\$ 300.00	30	\$ 9,000.00
V100-13	Furnish, Deliver & Install - Small Tree (1-1.5" Cal)	EA	\$ 175.00	40	\$ 7,000.00
V100-14	Furnish, Deliver & Install - Shrub (5 Gal)	EA	\$ 60.00	30	\$ 1,800.00
V100-15	Furnish, Deliver & Install - Shrub (3 Gal)	EA	\$ 55.00	40	\$ 2,200.00
V100-16	Furnish, Deliver & Install - Perennial (1 Gal)	EA	\$ 15.00	2,000	\$ 30,000.00
V100-17	Furnish, Deliver & Install - Perennial (1 Qt)	EA	\$ 12.00	300	\$ 3,600.00
V100-18	Furnish, Deliver & Install - Perennial Landscape (Deep) Plugs (must be a minimum 4" deep)	EA	\$ 4.00	480	\$ 1,920.00
V100-19	Furnish, Deliver & Install - Whips - 18-24" Bareroot Woody Seedlings	EA	\$ 5.00	500	\$ 2,500.00
	Bioretention - Plant Replacement - County Supplied				
V100-20	Plant - Med/Lg Tree (2-2.5" Cal)	EA	\$ 98.50	30	\$ 2,955.00
V100-21	Plant - Small Tree (1-1.5" Cal)	EA	\$ 49.30	40	\$ 1,972.00
V100-22	Plant - Shrub (5 Gal)	EA	\$ 24.70	30	\$ 741.00
V100-23	Plant - Shrub (3 Gal)	EA	\$ 20.00	40	\$ 800.00
V100-24	Plant - Perennial (1 Gal)	EA	\$ 5.00	2,000	\$ 10,000.00
V100-25	Plant - Perennial (1 Qt)	EA	\$ 5.00	300	\$ 1,500.00
V100-26	Plant - Perennial Landscape (Deep) Plugs (must be a minimum 4" deep)	EA	\$ 3.00	480	\$ 1,440.00
V100-27	Plant - Whips - 18-24" Bareroot Woody Seedlings	EA	\$ 0.50	500	\$ 250.00
V100-28	Bioretention - Additional Watering	HR	\$ 125.00	40	\$ 5,000.00
V100-29	Bioretention - Furnish & Install Sod for Turf Establishment	SY	\$ 9.00	800	\$ 7,200.00
LINE ITEM	FILTERRA - AS-NEEDED SERVICES			VARIES	
V101-03	Filtterra - Filter Media Replenishment	CY	\$ 105.00	1	\$ 105.00
LINE ITEM	PERMEABLE PAVEMENT - AS-NEEDED SERVICES				
P100-02	3/8" Aggregate Replenishment (for an average of 2" New Aggregate)	TN	\$ 100.00	15	\$ 1,500.00
P100-03	Permeable Pavement Weeding	HR	\$ 53.30	16	\$ 852.80
P100-04	Infiltration Testing	EA	\$ 120.00	8	\$ 960.00

LINE ITEM	OTHER - AS-NEEDED SERVICES			VARIES	
V102-03	Excessive Sediment/Silt Removal and Disposal	CY	\$ 120.00	20	\$ 2,400.00
SITE STABILIZATION					
V102-07	Furnish & Install Topsoil	CY	\$ 200.00	25	\$ 5,000.00
Furnish & Install Seed for Turf Establishment					
V102-09	Seed Mix 50% K-31; 50% Annual Rye	SY	\$ 2.00	1,500	\$ 3,000.00
V102-10	Seed Mix 75% K-31 and 25% Annual Rye	LB	\$ 4.00	30	\$ 120.00
V102-11	Application of Wetland Seed Mix – Ernst Seed #120	LB	\$ 4.00	40	\$ 160.00
V102-12	Application of Wetland Seed Mix – Ernst Seed #131	LB	\$ 4.00	40	\$ 160.00
V102-13	Furnish & Install Straw Mulch	SY	\$ 1.50	800	\$ 1,200.00
SEDIMENT & EROSION CONTROLS					
V102-24	Furnish & Install Curlex NetFree (or Approved Synthetic Material Free Equal)	SY	\$ 1.80	300	\$ 540.00
VEGETATION MANAGEMENT					
V102-26	Tree Removal (2"-4")	EA	\$ 350.00	36	\$ 12,600.00
V102-27	Weeding	HR	\$ 40.00	36	\$ 1,440.00
MISCELLANEOUS					
V102-30	Repairs from Burrowing Animals	SY	\$ 80.00	200	\$ 16,000.00
V102-33	Ponds - Rubber-Tracked Skid Steer Loader (Small)	HR	\$ 175.00	40	\$ 7,000.00
V102-34	Ponds - Rubber-Tracked Compact / Mini Excavator	HR	\$ 175.00	60	\$ 10,500.00
V102-35	Ponds - Rubber-Tired Front-End Loader/Backhoe	HR	\$ 175.00	60	\$ 10,500.00
TOTAL BID PRICE - Autopopulates in Bid Form					\$ 184,515.80
LABOR RATES - HOURLY & OVERTIME/EMERGENCY (O/E)					
CODE	POSITION	UNIT	UNIT PRICE	ANNUAL FACTOR	TOTAL PRICE
CF	Crew Foreman/Inspector	HR	\$ 75.00	16	\$ 1,200.00
CF-O/E	Crew Foreman/Inspector - Overtime/Emergency *	HR	\$ 112.50	8	\$ 900.00
LAB	Laborer	HR	\$ 42.00	16	\$ 672.00
LAB-O/E	Laborer - Overtime/Emergency *	HR	\$ 61.00	8	\$ 488.00
FLAG	VDOT Certified Flagger	HR	\$ 95.00	16	\$ 1,520.00
FLAG-O/E	VDOT Certified Flagger - Overtime/Emergency *	HR	\$ 142.50	8	\$ 1,140.00
ARB	Certified Arborist	HR	\$ 175.00	16	\$ 2,800.00
ARB-O/E	Certified Arborist - Overtime/Emergency *	HR	\$ 262.50	8	\$ 2,100.00
TOTAL BID PRICE - Autopopulates in Bid Form					\$ 10,820.00

* Over 8 Hours of Consecutive Work

**STORMWATER MANAGEMENT FACILITIES
SCHEDULE C - FUTURE FACILITIES MAINTENANCE PRICING SHEET**

**FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, DISPOSAL & HAUL FOR THE
INSPECTION & MAINTENANCE OF COUNTY-OWNED STORMWATER MANAGEMENT FACILITIES
IN ARLINGTON, VIRGINIA**

*NOTE TO CONTRACTORS: DO NOT COMPLETE THIS FORM -- THE AMOUNTS BELOW (in grey)
ARE AUTOMATICALLY POPULATED FROM SCHEDULE A*

SCHEDULE C - FUTURE FACILITIES MAINTENANCE PRICING SHEET (COSTS FROM SCHEDULE A)

FACILITY ID	FACILITY LOCATION	FACILITY DESCRIPTION	SIZE (SF)	UNIT PRICE (PER SITE VISIT)	AVG COST (PER UNIT PER SITE VISIT)
BIORETENTION					
89-362	CENTRAL LIBRARY	POND w/CONCRETE SWALE - GRASS	4,570	\$ 1,066.20	
03-872A	FIRE STATION #5	BIORETENTION	225	\$ 355.40	
07-1069B	WOODMONT COMM CTR	BIORETENTION W/STORMCHAMBER	943	\$ 355.40	
15-2115A	FIRE STATION HOUSE	SW PLANTER 1 - 9"	32	\$ 177.70	
15-2115B	FIRE STATION HOUSE	INFILTRATION TRENCH - GRAVEL	32	\$ 177.70	
2012-3	WEENIE BEENIE	DRY SWALE - GRASS	325	\$ 112.50	
2014-4A	GULF BRANCH NATURE CTR	SW PLANTER - 3"	175	\$ 355.40	
2014-4B	GULF BRANCH NATURE CTR	SW PLANTER - 3"	60	\$ 355.40	
2014-5A	PENTAGON CITY	SW PLANTER	100	\$ 355.40	
2014-5B	PENTAGON CITY	SW PLANTER	100	\$ 355.40	
2014-5C	PENTAGON CITY	SW PLANTER	100	\$ 355.40	
2014-5D	PENTAGON CITY	SW PLANTER	100	\$ 355.40	
2014-5E	PENTAGON CITY	SW PLANTER	100	\$ 355.40	
2014-5F	PENTAGON CITY	SW PLANTER	50	\$ 355.40	
2014-5G	PENTAGON CITY	SW PLANTER	50	\$ 355.40	
2014-5H	PENTAGON CITY	SW PLANTER	50	\$ 355.40	
2014-5I	PENTAGON CITY	SW PLANTER	50	\$ 355.40	
2014-5J	PENTAGON CITY	SW PLANTER	50	\$ 355.40	
2014-5K	PENTAGON CITY	SW PLANTER	50	\$ 355.40	
2014-5L	PENTAGON CITY	BIORETENTION	1,548	\$ 710.80	
2015-6	8TH ST S	BIORETENTION	609	\$ 710.80	
2012-2	N ALBEMARLE ST	BIORETENTION	578	\$ 710.80	
2011-1A	PATRICK HENRY DRIVE	BIORETENTION	823	\$ 710.80	
2011-1B	PATRICK HENRY DRIVE	BIORETENTION	253	\$ 355.40	
15-1926	PATRICK HENRY DRIVE	BIORETENTION	470	\$ 355.40	
16-0103	26TH ST LEAF STORAGE SITE	BIORETENTION	1,730	\$ 1,421.60	
15-2067A	11ST N PARK	BIORETENTION	201	\$ 177.70	
15-2067B	11ST N PARK	BIORETENTION	88	\$ 177.70	
15-1971A	JOHN MARSHALL DR	BIORETENTION - 12"	2,245	\$ 1,777.00	
15-1971B	JOHN MARSHALL DR	BIORETENTION - 12"	865	\$ 710.80	

15-1971C	N KENSINGTON ST	BIORETENTION - 6"	610	\$ 710.80	
15-1971D	32ND ST N	BIORETENTION - 6"	555	\$ 710.80	
15-2091A	WILLIAMSBURG	BIORETENTION - 12"	1,598	\$ 1,777.00	
15-2091B	WILLIAMSBURG	BIORETENTION - 12"	1,595	\$ 1,777.00	
16-0320A	WILLIAMSBURG	BIORETENTION - 6"	906	\$ 1,421.60	
16-0320B	WILLIAMSBURG	BIORETENTION - 6"	585	\$ 1,066.20	
17-0253	KIRKWOOD	BIORETENTION - 8.5"	644	\$ 710.80	
18-0281A	PENROSE	BIORETENTION - 8"	340	\$ 355.40	
18-0281B	PENROSE	BIORETENTION - 9.5"	436	\$ 394.00	
18-0007	KENTUCKY	BIORETENTION - 6"	538	\$ 710.80	
18-0051A	EVERGREEN	BIORETENTION - 6"	794	\$ 710.80	
18-0051B	GEORGE MASON	BIORETENTION - 6"	366	\$ 355.40	
11-1164B	BARCROFT BASEBALL FIELD	BIORETENTION	1,104	\$ 1,066.20	
11-1164C	BARCROFT BASEBALL FIELD	BIORETENTION	304	\$ 533.10	
10-1121	BUTLER HOLMES PARK	BIORETENTION	450	\$ 533.10	
09-1100A	FAIRLINGTON COMM CTR	BIORETENTION	3,500	\$ 1,421.60	
12-1354B	TOWERS PARK	BIORETENTION	715	\$ 533.10	
02-822B	WALTER REED COMM CTR	DRY SWALE - PLANTED	2,665	\$ 1,777.00	
14-1688	GUNSTON PARK	BIORETENTION	490	\$ 533.10	
14-1672B	VIRGINIA HIGHLANDS	BIORETENTION	1,200	\$ 1,777.00	
13-1541	GLENCARLYN PARK	BIORETENTION	1250	\$ 1,777.00	
15-1906A	TYROL HILL PARK	BIORETENTION	236	\$ 355.40	
13-1507B	WOODSTOCK PARK	BIORETENTION	416	\$ 355.40	
15-1984	TUCKAHOE PARK	BIORETENTION	3,389	\$ 1,421.60	
15-1975A	QUINCY PARK	BIORETENTION	639	\$ 355.40	
17-0007A	OAKGROVE PARK	BIORETENTION - 6"	1,050	\$ 1,066.20	
08-1062	PARKHURST PARK	BIORETENTION - 6"	1,000	\$ 710.80	
15-2066A	PNR MAINTENANCE BUILDING	SW PLANTER	135	\$ 177.70	
15-2066B	PNR MAINTENANCE BUILDING	INFILTRATION TRENCH - GRASS	840	\$ 177.70	
17-0174B	BARCROFT BASEBALL FIELD	SW PLANTER - 6"	147	\$ 177.70	
17-0299A	POWHATAN SPRINGS PARK	BIORETENTION - 6"	950	\$ 710.80	
17-0094A	FAIRLINGTON COMMUNITY CENTER	DRY SWALE - GRASS	585	\$ 177.70	
			46,604	\$ 41,022.10	\$ 0.880

FILTERRA

08-1079D	ARL MILL COMM CTR	FILTERRA	24	\$ 355.40	
03-872B	FIRE STATION #5	FILTERRA	24	\$ 355.40	
03-872C	FIRE STATION #5	FILTERRA	24	\$ 355.40	
05-969	LEE COMM CTR	FILTERRA	48	\$ 355.40	
14-1672A	VIRGINIA HIGHLANDS	FILTERRA	60	\$ 355.40	
			180	\$ 1,777.00	\$ 9.872

PERMEABLE PAVEMENT

08-1079B	ARL MILL COMM CTR	PERMEABLE PAVERS - OW	8,276	\$ 2,120.80	
06-1022D	FIRE STATION #3	PERMEABLE PAVERS	2,200	\$ 1,060.40	

03-872D	FIRE STATION #5	OPEN BLOCK PERMEABLE PAVERS	2,830	\$ 1,060.40	
13-1522	FIRE STATION #9	PAVE DRAIN PERM PAVERS - OW	1,730	\$ 1,060.40	
18-0156A	FACILITY - HEAD START A	SYNTHETIC TURF* - OW	645	\$ 112.50	
18-0156B	FACILITY - HEAD START B	SYNTHETIC TURF* - OW	1,470	\$ 112.50	
18-0156C	FACILITY - HEAD START C	SYNTHETIC TURF* - OW	1,578	\$ 112.50	
2014-4C	GULF BRANCH NATURE CTR	PERMEABLE PAVERS - OW	2,083	\$ 1,421.60	
17280	BARCROFT BASEBALL FIELD	PERMEABLE PAVERS - OW	4,400	\$ 1,590.60	
15-1906B	TYROL HILL PARK	POROUS PAVE* - OW	1,798	\$ 112.50	
16-0308A	TYROL HILL PARK	PERMEABLE PAVERS - OW	14,810	\$ 3,152.00	
16-0308B	TYROL HILL PARK	SYNTHETIC TURF* - OW	3,742	\$ 112.50	
13-1507A	WOODSTOCK PARK	FLEXI-PAVE*	2,935	\$ 112.50	
12-1214A	ROCKY RUN PARK	FLEXI-PAVE* - OW	4,710	\$ 112.50	
15-1927	BUTLER HOLMES PARK	FLEXI-PAVE*	1,794	\$ 112.00	
12-3000	FORT MYER HEIGHTS PARK	SYNTHETIC TURF*	3,000	\$ 112.00	
08-1065	LONG BRIDGE PARK	PERVIOUS CONCRETE	8,570	\$ 1,060.00	
15-2094A	HIGH VIEW PARK	PERMEABLE PAVERS - OW	4,879	\$ 795.30	
17-0094A	FAIRLINGTON COMMUNITY CENTER	SYNTHETIC TURF - RIGHT SIDE*	4,796	\$ 112.50	
17-0094B	FAIRLINGTON COMMUNITY CENTER	SYNTHETIC TURF - LEFT SIDE*	5,715	\$ 112.00	
17-0094C	FAIRLINGTON COMMUNITY CENTER	FILTER PAVE*	2,933	\$ 112.00	
17-0273	REEVES FARM	PERMEABLE PAVERS - OW	540	\$ 530.20	
17-0223A	GUNSTON PARK	SYNTHETIC TURF* - OW	77,045	\$ 112.00	
			162,479	\$ 15,311.70	\$ 0.094

**STORMWATER MANGAGEMENT FACILITIES
BID TABULATION**

*NOTE TO CONTRACTORS: DO NOT COMPLETE THIS FORM -- THE AMOUNTS BELOW (in grey)
ARE AUTOMATICALLY POPULATED FROM SCHEDULES A & B*

STORMWATER MANGAGEMENT FACILITIES		TOTALS FROM SCHEDULE A AND B
	SCHEDULE A GRAND TOTAL	\$ 547,783.70
	SCHEDULE B GRAND TOTAL	\$ 184,515.80
	LABOR RATES TOTAL	\$ 10,820.00
	TOTAL BID PRICE *	\$ 743,119.50

** Transfer this amount to the official Bid Form*

EXHIBIT D

LIVING WAGE FORMS

WAGE NOTICE

THE HOURLY RATE FOR EMPLOYEES OF CERTAIN ARLINGTON COUNTY SERVICE CONTRACTORS WORKING ON COUNTY-OWNED OR COUNTY-OCCUPIED PROPERTY MUST NOT BE LOWER THAN

\$15.00 PER HOUR

REFERENCE: ARLINGTON COUNTY PURCHASING RESOLUTION
SECTION 4-103

FOR INFORMATION CONTACT:

ARLINGTON COUNTY
OFFICE OF THE PURCHASING AGENT
2100 CLARENDON BOULEVARD, SUITE 500
ARLINGTON, VA 22201
703-228-3410

AVISO de SALARIO **MINIMO**

EL SALARIO MINIMO POR HORA PARA LOS EMPLEADOS DE ALGUNOS CONTRATISTAS QUE TRABAJAN EN UNA PROPIEDAD O BIEN INMUEBLE del GOBIERNO DEL CONDADO de ARLINGTON O CUALQUIER OTRA PROPIEDAD QUE SEA HABITADA/OCUPADA POR OFICINAS DEL GOBIERNO DEL CONDADO DE ARLINGTON SE HA ESTABLECIDO QUE EL SALARIO MINIMO SERÁ DE:

\$15.00 POR HORA

REFERENCIA: SECCIÓN 4-103, DE LA RESOLUCIÓN DE LA OFICINA DEL AGENTE DE COMPRAS DEL CONDADO DE ARLINGTON.
(ARLINGTON COUNTY PURCHASING RESOLUTION SECTION 4-103)

PARA OBTENER MAS INFORMACIÓN, LLAME A:
LA OFICINA DEL AGENTE DE COMPRAS DEL CONDADO DE
ARLINGTON.
703-228-3410.

PARA INFORMACION EN PERSONA DIRIJASE A:
2100 CLARENDON BOULEVARD, OFICINA No 500
ARLINGTON, VA 22201

ATTACHMENT B
LIVING WAGE QUARTERLY COMPLIANCE REPORT

By Email: Please complete the report below and return it to: livingwage@arlingtonva.us

Quarter:

Year:

Company Name:

Contract Number: Contract Name:

In order to audit your firm's compliance with Service Contract Wage (Living Wage) provisions of the Arlington County Purchasing Resolution, please complete the following report and submit to Arlington County, Office of the Purchasing Agent, 2100 Clarendon Boulevard, Suite #500, Arlington, Virginia 22201. This report shall be submitted every (3) months during the Contract Term. All personnel of the Contractor and any of its subcontractors working on Arlington County property, or Arlington County occupied property, shall be listed.

EMPLOYEE NAME	TOTAL HOURS THIS QUARTER	HOURLY WAGE

By signing this form, the above-listed company certifies that the information provided is accurate and complete. If unable to electronically sign this form, then print and sign the fully executed form for submittal by email.

Authorized Signature

Date