ARLINGTON COUNTY, VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES DEVELOPMENT SERVICES BUREAU 703-228-3629 LAND DISTURBING ACTIVITY/STORMWATER PERMIT

LDA Permit No: LDAP22-00043

DATE ISSUED: 9/15/2022 **Expiration Date** 9/15/2023

STORMWATER INSPECTOR Chevante Kimbrough Phone: 571-481-6156

URBAN FORESTRY INSPECTOR: Phone:

INFRASTRUCTURE INSPECTOR Phone:

This permit has been duly issued for the hereinafter described Land Disturbance Activity (LDA) persuant to: Arlington County Code, Chapter 57 - Erosion & Sediment Control.

ADDRESS N WAKEFIELD CT

LDA DESCRIPTION: The project consists of stabilizing a portion of Donaldson Run

Tributary B stream corridor from the headwaters at 24th Rd N

to the beginning of the previously-restored portion approximately 650 linear feet downstream.

PROJECT MANAGER: Jennifer Tastad Phone: 7032283081

RESPONSIBLE LAND DISTURBER: Ankur Patel Phone: 7032287595



APPROVED BY

DEVELOPMENT SERVICES BUREAU CHIEF

Sur D (Farya)

THIS PERMIT <u>MUST BE DISPLAYED IN</u> A CONSPICUOUS LOCATION ON THE PREMISES WHERE IT IS PLAINLY VISIBLE FROM THE STREET. THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE ON THE PREMISES DURING ANY LAND DISTURBING ACTIVITIES

A pre-construction meeting must be scheduled prior to commencing land disturbing activity. To schedule a pre-construction meeting and/or inspections contact inspector above (7am-4pm Monday-Friday)

ARLINGTON COUNTY, VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES DEVELOPMENT SERVICES BUREAU 703-228-3629 LAND DISTURBING ACTIVITY/STORMWATER PERMIT

To request an inspection

- * log in to the Permit Arlington customer portal
- * open the permit that requires an inspection
- * navigate to the Record Info tab
- * select Inspections from the drop-down options
- * request the appropriate inspection type

The morning of the requested inspection date you will receive an email containing the name and phone number of the assigned inspector. Once you submit the inspection request, Arlington County staff will coordinate a time that works best for you and for all inspectors needed for this project.

You may check the status of your inspection online at any time. If you are experiencing a technical difficulty, please contact the technical support team at 703-228-7638 or email to PermitTechSupport@arlingtonva.us.

For general permitting questions please contact the DES Permit Administration Team at 703-228-3629 or email to dsbcustserv@arlingtonva.us.

Office hours are Monday - Friday, 8 a.m. - 4:30 p.m.

DEPARTMENT OF ENVIRONMENTAL SERVICES AND DEPARTMENT OF PARKS AND RECREATION

2100 Clarendon Blvd, Suite 1000, Arlington, VA 22201 TEL 703.228.3629 www.building.arlingtonva.us

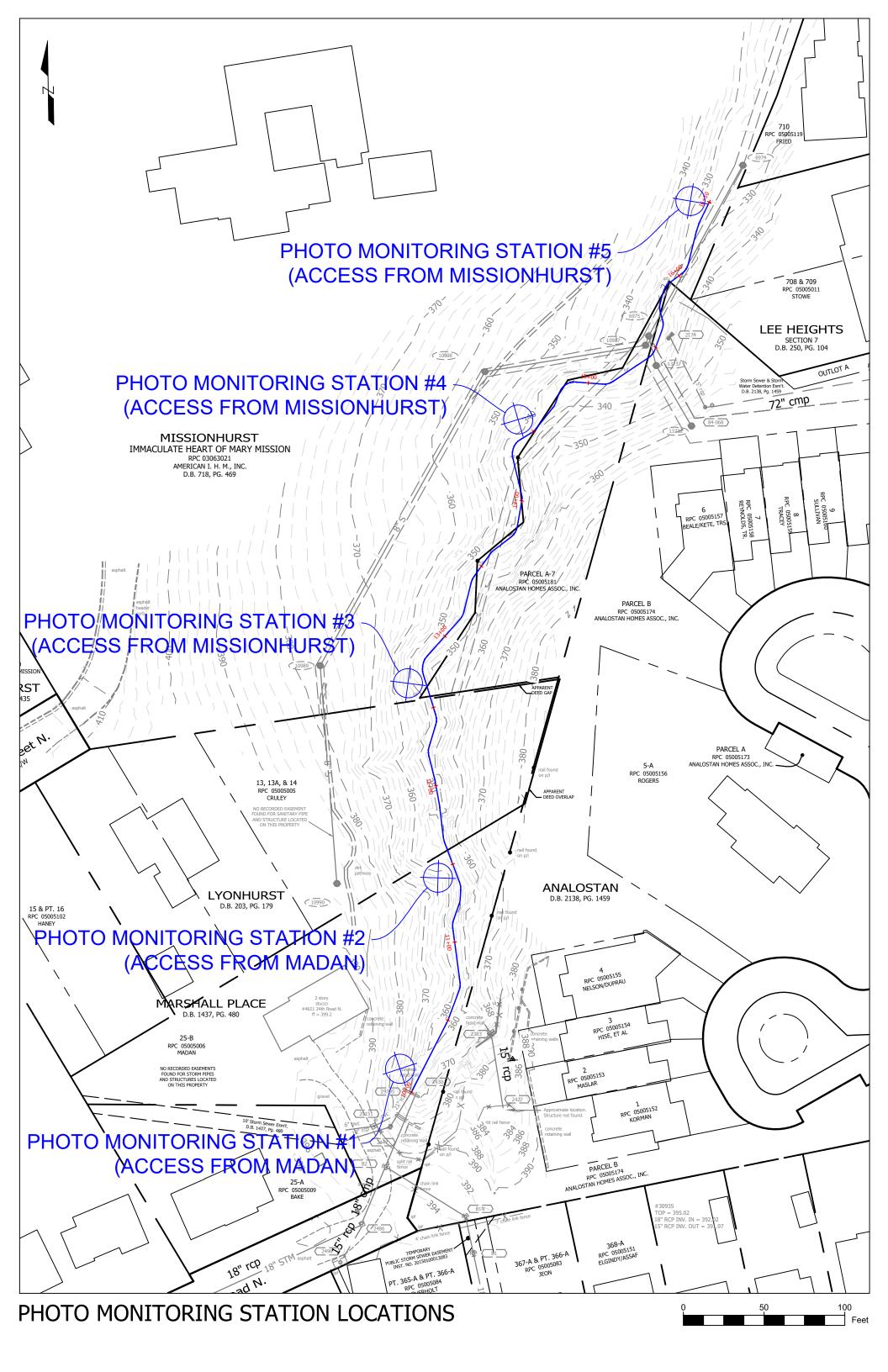


Exhibit 4

Donaldson Run Outfall/Channel Repair As-Built and Monitoring Report Protocol

As-Built Survey and Report

Following the completion of construction, a certified as-built survey and report shall be prepared and submitted to the U.S. Army Corps of Engineers (COE) and the Virginia Department of Environmental Quality (DEQ) as described below.

As-Built Survey

Upon completion of construction, a certified as-built survey will be prepared, and shall include the following:

- o Plan view and longitudinal profiles of the stabilized stream;
- o Two (2) riffle cross-sections from the stabilized section of the stream; and
- o Structure data and location.

Photo Monitoring Station

Photos of the stabilization area shall be taken facing north, south, east, and west from permanent photo monitoring stations (established as specified below). Ground level photos looking upstream along the stabilized stream channel will also be taken from the photo monitoring stations. The as-built report shall include a plan view showing the location of the photo stations.

- Five (5) photo monitoring stations shall be established in the plantings areas adjacent to the stabilized stream channel as follows:
 - One (1) on the left side of the stream near the storm sewer outfall at approximately station 10+00 (to be accessed from the Madan property at 4621 24th Rd N);
 - One (1) on the left side of the stream at approximately station 11+50 (to be accessed from the Madan property at 4621 24th Rd N);
 - One (1) on the left side of the stream at approximately station 12+65 (to be accessed from the Missionhurst property at 4651 25th St N);
 - One (1) on the left side of the stream at approximately station 14+50 (to be accessed from the Missionhurst property at 4651 25th St N);
 - One (1) on left side of the stream at the downstream tie-in at approximately station 16+50 (to be accessed from the Missionhurst property at 4651 25th St N).
- The photo monitoring stations shall be located using GPS for inclusion on the overall plan of the stream stabilization area that shall be included in the as-built report.

As-Built Monitoring Report

A formal as-built report shall be prepared that compiles the as-built survey and photo

monitoring data collected as described above. The report shall be submitted to the COE and DEQ, and shall include:

- o A summary of the as-built condition of the stream stabilization area;
- o Pre-construction photos;
- The as-built (post-construction) photos taken as described above;
- A plan view of the stabilization area showing the photo monitoring stations as well as the approximate location of the stream photos; and,
- o The formal as-built survey.

Post-Construction Monitoring

Post-construction monitoring will be performed as described below. If deemed stable after 1-year, a request will be sent to COE requesting no further monitoring be required.

Timing

Post-construction monitoring shall be conducted in the September/October time period during the 1st growing season following the completion of construction. Additionally, if the agencies require additional monitoring, it shall be conducted in the September/October time period during subsequent growing seasons (up to 5 years).

Visual Survey

A visual survey to assess the stability of the stabilized stream shall be conducted by walking the entirety of the stabilized section of the stream and inspecting the condition of the installed structures and the stabilized stream bed and banks.

Photo Monitoring

Dated photographs of the stabilization area shall be taken facing north, south, east, and west from each permanent photo monitoring station (established as described above) as well as at ground level taken every 100 feet along the stabilized stream channel looking upstream.

Monitoring Report

A formal monitoring report shall be prepared and submitted to the COE and DEQ no later than December 31st during the respective year. The report shall include:

- o A summary of the visual survey of the stabilization area;
- Description of any portion of the stabilization area that is found to not be stable, and the proposed corrective action;
- o Pre-construction photos;
- o Post-construction monitoring photos (taken as described above); and,
- o A plan view of the stabilization area showing the photo monitoring stations as well as the approximate location of the stream photos.

0	The stream stabilization shall be deemed successful if, based on our best professional judgment, the stream is stable (i.e. there are no signs of excessive erosion or structure failure).



DEPARTMENT OF THE ARMY US ARMY CORPS OF ENGINEERS NORFOLK DISTRICT FORT NORFOLK 803 FRONT STREET NORFOLK VA 23510-1011

November 21, 2022

Northern Virginia Regulatory Section NAO-2017-01101/ VMRC 22-V1012 (Donaldson Run)

Ankur Patel Arlington County DES 2100 Clarendon Blvd., Suite 900 Arlington, VA 22201

Dear Ankur Patel:

This is regarding your Department of the Army permit application number (NAO-2017-01101/ VMRC 22-V1012) to restore approximately 980 linear feet of stream channel through natural channel design. The work will occur north of Route 309 (Old Dominion Dr) and east of Route 120 (N Glebe Rd) in Arlington County (38.9027, -77.3130), Virginia. These impacts are detailed on the enclosed drawings entitled "Donaldson Run", prepared and submitted on behalf of the applicant by Wetland Studies and Solutions, Inc. and dated July 6, 2022, and April 2022, and date stamped as received by this office on June 13, 2022 (attached).

Your proposed work as outlined above satisfies the criteria contained in the Corps Nationwide Permit (27), attached. Certain Corps Nationwide Permits were published in the December 27, 2021, Federal Register notice (86 FR 73522) and the regulations governing their use can be found in 33 CFR 330 published in Volume 56, Number 226 of the Federal Register dated November 22, 1991.

Provided the project Regional Conditions and the Nationwide Permit General Conditions (enclosed) are met, an individual Department of the Army Permit will not be required. To assist in your compliance with NWP General Condition #30, enclosed is a "compliance certification" form, which must be signed and returned within 30 days of completion of the project, including any required compensatory mitigation.

Please be aware that a permit may be required from the Virginia Marine Resources Commission and/or your local wetlands board, and this verification may not be valid until you obtain their approval, if necessary. This authorization does not relieve your responsibility to comply with local requirements pursuant to the Chesapeake Bay Preservation Act (CBPA), nor does it supersede local government authority and responsibilities pursuant to the Act. You should contact your local government before you begin work to find out how the CBPA applies to your project.

This verification is valid until the Nationwide Permit is modified, reissued, or revoked. This Nationwide Permit 27 is scheduled to be modified, reissued, or revoked prior to March 14, 2026.

It is incumbent upon you to remain informed of changes to the Nationwide Permits. We will issue a public notice when the Nationwide Permits are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the Nationwide Permit to complete the activity under the present terms and conditions of this Nationwide Permit unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 330.4(e) and 33 CFR 330.5 (c) or (d). Project specific conditions listed in this letter continue to remain in effect after the Nationwide Permit verification expires unless the district engineer removes those conditions. Activities completed under the authorization of a Nationwide Permit which was in effect at the time the activity was completed continue to be authorized by that Nationwide Permit.

In granting an authorization pursuant to this permit, we relied on the information and data provided by the permittee. If we determine that this information is false or incomplete, we may suspend or revoke, in whole or in part, this authorization and institute appropriate legal proceeding.

If you have additional questions or concerns about this permit authorization, please contact me at (757) 201-7194 or by email at Theresita.M.Crockett-Augustine@usace.army.mil.

Sincerely,

Therersita Crockett-Augustine
Theresita Crockett-Augustine
Environmental Scientist

Northern Virginia Regulatory Section

Enclosures

CC:

WSSI



CERTIFICATE OF COMPLIANCE WITH ARMY CORPS OF ENGINEERS PERMIT

Permit Number: NAO-2017-01101

VMRC Number: 22-V1012

Signature of Permittee

Corps Contact: Theresita Crockett-Augustine

Permittee Name: Arlington County DES

Date of Issuance: November 21, 2022

Permit Type: Nationwide Permit 27

Within 30 days of completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification, and return it to the following address:

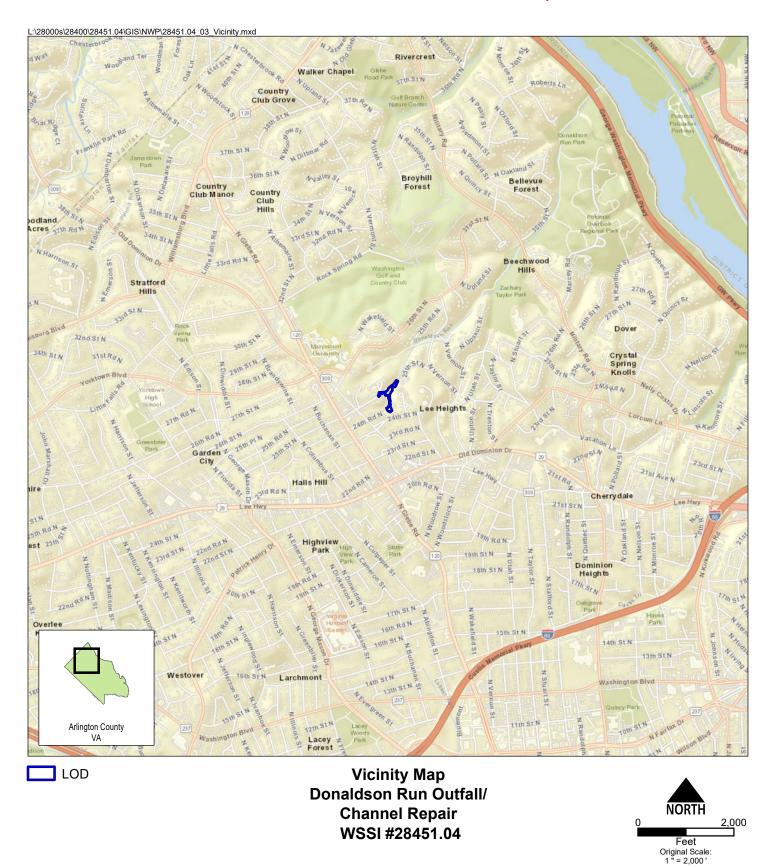
US Army Corps of Engineers - Norfolk District Fredericksburg Field Office Attn: Ms. Theresita Crockett-Augustine 10300 Spotsylvania Avenue, Suite 230 Fredericksburg, VA 22408

Or scan and send via email to Theresita.M.Crockett-Augustine@usace.army.mil

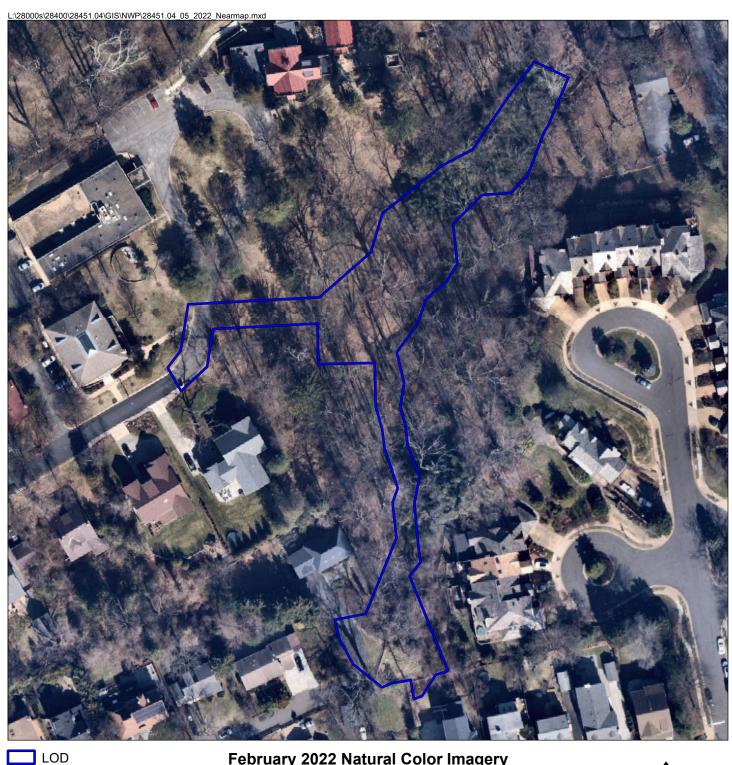
Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above-referenced permit has been
completed in accordance with the terms and conditions of the said permit and required
mitigation has been completed in accordance with the permit conditions.

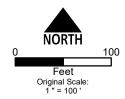
Date



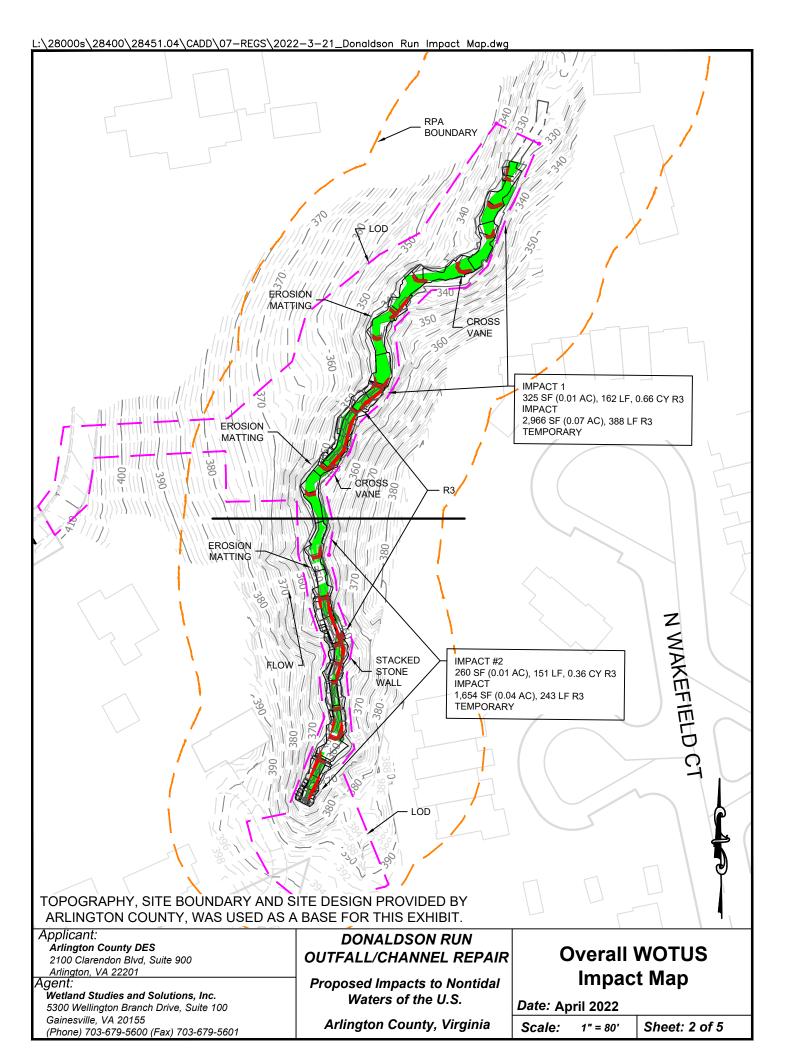
911 Address: 4651 25th St NArlington, VA 22207 Source: World Street Map - ESRI

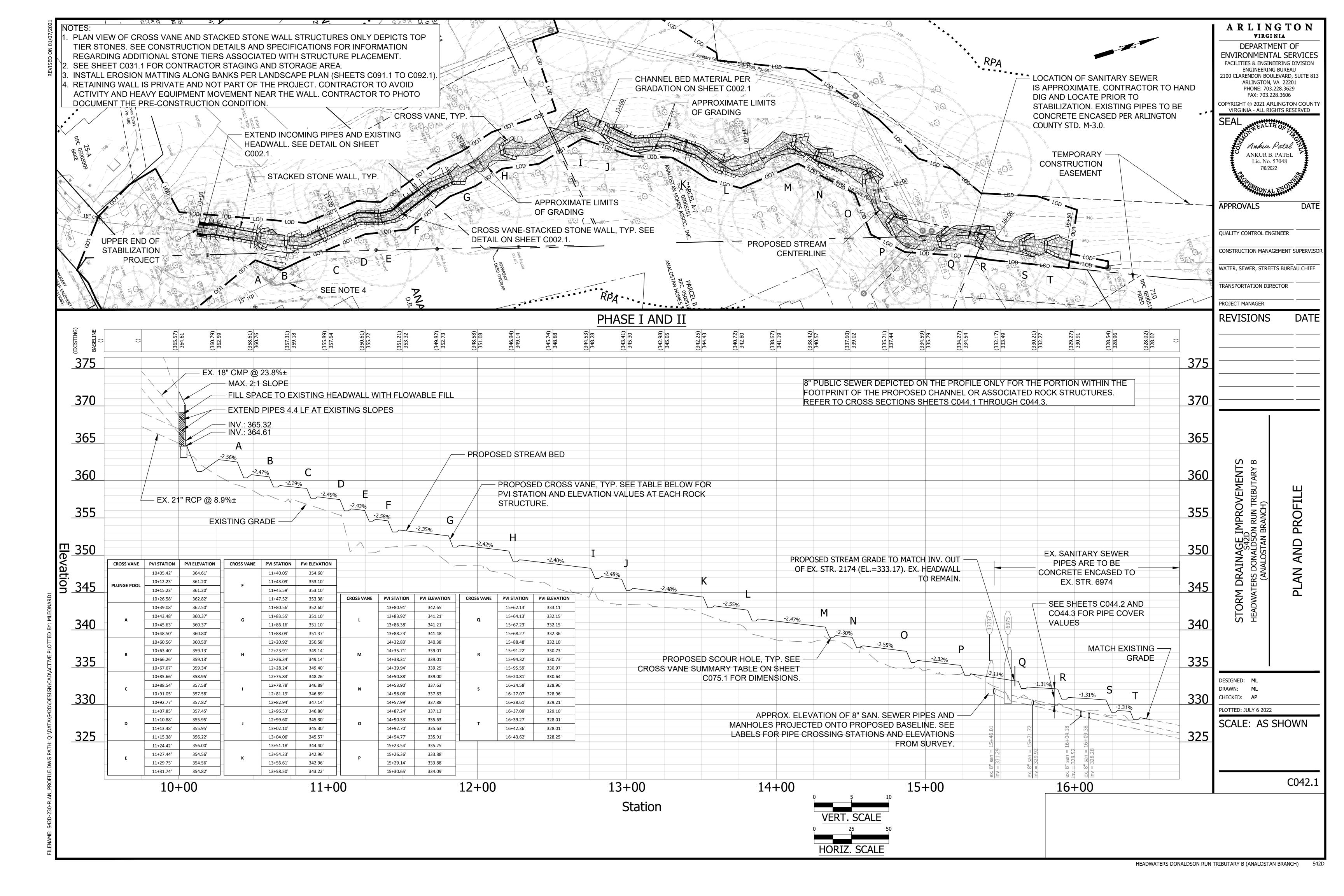


February 2022 Natural Color Imagery
Donaldson Run Outfall/
Channel Repair
WSSI #28451.04



Source: Nearmap®







COMMONWEALTH of VIRGINIA

Marine Resources Commission 380 Fenwick Road Building 96 Fort Monroe, VA 23651

Justin D. Worrell Acting Commissioner

May 17, 2022

Arlington County Dept. Environmental Services c/o Wetland Studies and Solutions
Attn: Robbie Clark
2100 Clarendon Blvd., Suite 900
Arlington, VA 22201
rclark@wetlands.com
apatel@arlingtonva.us

RE: VMRC # 22-1012

Dear Sir/Madam:

We have received your application requesting authorization to restore and stabilize portions of an unnamed tributary to Donaldson Run, as part of the Donaldson Run Outfall Repair project, on property situated north of Old Dominion Drive and east of North Glebe Road in Arlington County.

Based upon a review of your application, your proposal does not fall within the jurisdiction of the Marine Resources Commission, therefore, no authorization will be required from this agency.

For your information, you may need authorization from your local wetlands board, the U. S. Army Corps of Engineers, and / or the Department of Environmental Quality prior to commencing your project. Your application has been forwarded to these agencies.

Should you have any questions regarding this matter, please do not hesitate to contact me at (757) 247-8028 or via email at mark.eversole@mrc.virginia.gov.

Sincerely,

Mark Eversole

Environmental Engineer, Sr.

ME/ldf HM

cc: Department of Environmental Quality #4 (DEQ)

U. S. Army Corps of Engineer

Applicant



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219 P.O. Box 1105, Richmond, Virginia 23218 (800) 592-5482 FAX (804) 698-4178 www.deq.virginia.gov

Michael S. Rolband, PE, PWD, PWS Emeritus Director (804) 698-4020

August 16, 2022

Arlington County Department of Environmental Services 2100 Clarendon Blvd Suite 813 Arlington, VA 22201 apatel@arlingtonva.us

RE: Coverage under the VPDES Construction General Permit (VAR10)

General Permit Number VAR10R519

Headwaters Donaldson Run Tributary B (Analostan Branch)

Environmental - Stream Stabilization

Arlington

Dear Permittee:

DEQ has reviewed your Registration Statement received complete on August 12, 2022 and determined that the proposed 1.03 acre land-disturbing activity is covered under the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10). The effective date of your coverage under this general permit is July 1, 2019 or the date of this letter, whichever is later. You may obtain a copy of the general permit from https://law.lis.virginia.gov/admincode/title9/agency25/chapter880/section70/.

The general permit contains the conditions of coverage and Stormwater Pollution Prevention Plan (SWPPP) requirements. Please print the general permit and read it carefully as you will be responsible for compliance with all permit conditions. Coverage under this construction general permit does not relieve the operator of complying with all other federal, state, or local laws and regulations.

Our records indicate that your site may discharge to waters identified as impaired or exceptional. Please see below for additional requirements:

- Does this proposed land-disturbing activity discharge to a surface water identified as impaired or for which a
 TMDL wasteload allocation has been established and approved prior to the term of the general permit for for (i)
 sediment or a sediment-related parameter or (ii) nutrients? <u>Yes</u>. If <u>YES</u>, then the following general permit (Part
 I B 4 a) and SWPPP requirements (Part II B 5) must be implemented for the land-disturbing activity:
 - Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site;
 - Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan and shall not be applied during rainfall events;
 - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and

- Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.
- 2. Does this proposed land-disturbing activity discharge to a surface water identified as impaired or for which a TMDL wasteload allocation has been established and approved prior to the term of the general permit for polychlorinated biphenyl (PCB)? Yes. If YES, then the following general permit (Part I B 4 b) and SWPPP requirements (Part II B 6) must be implemented for the land-disturbing activity if the construction activity involves the demolition of structures (i) equal to or greater than 10,000 square feet and (ii) built or renovated on or before January 1, 1980:
 - Implement an approved erosion and sediment control plan;
 - Dispose of PCB-contaminated materials in compliance with applicable state, federal, and local requirements to minimize the exposure of PCB-containing building materials;
 - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and
 - Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.
- 3. Does this proposed land-disturbing activity discharge to an exceptional water as identified in Section 30 of the Water Quality Standards, 9VAC 25-260? **No.** If <u>YES</u>, then the following general permit (Part I B 5) and SWPPP requirements (Part II B 7) must be implemented for the land-disturbing activity:
 - Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site;
 - Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan and shall not be applied during rainfall events;
 - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and
 - Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.

The general permit requires that you submit a complete Notice of Termination packet no later than 30 days after meeting one or more of the termination conditions set forth in the general permit (Part I F). In accordance with the Virginia Stormwater Management Program State Permit Fee Regulation (9VAC 25-870-830), you may be required to pay an annual permit maintenance fee until coverage under this general permit has been terminated. If you are required to pay an annual permit maintenance fee, you will receive an invoice from the VSMP Authority.

<u>The general permit will expire on June 30, 2024.</u> The conditions of the general permit require that you submit a new registration statement at least 60 days prior to that date if you wish to continue coverage under the general permit, unless permission for a later date has been granted by the Board. Permission cannot be granted to submit the registration statement after the expiration date of the general permit.

If you have any questions about this permit, please contact the DEQ Office of Stormwater Management at ConstructionGP@deq.virginia.gov.

Sincerely,

Melanie D. Davenport

Director, Division of Water Permitting