



# ENVIRONMENTAL

**STORMWATER POLLUTION PREVENTION PLAN  
2804 BOSWELL AVENUE  
FAIRFAX COUNTY, VIRGINIA**

**TNT PROJECT NO: 3065-A**

**FOR**

**GENUARIO PROPERTIES, INC.**

**APRIL 21, 2023**

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Louis Genuario, Jr.

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**CONSTRUCTION GENERAL PERMIT**





# *COMMONWEALTH of VIRGINIA*

## *DEPARTMENT OF ENVIRONMENTAL QUALITY*

General Permit No.: VAR10

Effective Date: July 1, 2019

Expiration Date: June 30, 2024

### GENERAL VPDES PERMIT FOR DISCHARGES OF STORMWATER FROM CONSTRUCTION ACTIVITIES

#### AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA STORMWATER MANAGEMENT PROGRAM AND THE VIRGINIA STORMWATER MANAGEMENT ACT

In compliance with the provisions of the Clean Water Act, as amended, and pursuant to the Virginia Stormwater Management Act and regulations adopted pursuant thereto, operators of construction activities are authorized to discharge to surface waters within the boundaries of the Commonwealth of Virginia, except those specifically named in State Water Control Board regulations that prohibit such discharges.

The authorized discharge shall be in accordance with the registration statement filed with the Department of Environmental Quality, this cover page, Part I - Discharge Authorization and Special Conditions, Part II - Stormwater Pollution Prevention Plan, and Part III - Conditions Applicable to All VPDES Permits as set forth in this general permit.

## PART I

### DISCHARGE AUTHORIZATION AND SPECIAL CONDITIONS

#### A. Coverage under this general permit.

1. During the period beginning with the date of coverage under this general permit and lasting until the general permit's expiration date, the operator is authorized to discharge stormwater from construction activities.
2. This general permit also authorizes stormwater discharges from support activities (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) located on-site or off-site provided that:
  - a. The support activity is directly related to the construction activity that is required to have general permit coverage for discharges of stormwater from construction activities;
  - b. The support activity is not a commercial operation, nor does it serve multiple unrelated construction activities by different operators;
  - c. The support activity does not operate beyond the completion of the last construction activity it supports;
  - d. The support activity is identified in the registration statement at the time of general permit coverage;
  - e. Appropriate control measures are identified in a stormwater pollution prevention plan and implemented to address the discharges from the support activity areas; and
  - f. All applicable state, federal, and local approvals are obtained for the support activity.

#### B. Limitations on coverage.

1. Post-construction discharges. This general permit does not authorize stormwater discharges that originate from the site after construction activities have been completed and the site, including any support activity sites covered under the general permit registration, has undergone final stabilization. Post-construction industrial stormwater discharges may need to be covered by a separate VPDES permit.
2. Discharges mixed with nonstormwater. This general permit does not authorize discharges that are mixed with sources of nonstormwater, other than those discharges that are identified in Part I E (Authorized nonstormwater discharges) and are in compliance with this general permit.
3. Discharges covered by another state permit. This general permit does not authorize discharges of stormwater from construction activities that have been covered under an individual permit or required to obtain coverage under an alternative general permit.

4. Impaired waters and total maximum daily load (TMDL) limitation.

- a. Nutrient and sediment impaired waters. Discharges of stormwater from construction activities to surface waters identified as impaired in the 2016 § 305(b)/303(d) Water Quality Assessment Integrated Report or for which a TMDL wasteload allocation has been established and approved prior to the term of this general permit for (i) sediment or a sediment-related parameter (i.e., total suspended solids or turbidity) or (ii) nutrients (i.e., nitrogen or phosphorus) are not eligible for coverage under this general permit unless the operator develops, implements, and maintains a stormwater pollution prevention plan (SWPPP) in accordance with Part II B 5 of this permit that minimizes the pollutants of concern and, when applicable, is consistent with the assumptions and requirements of the approved TMDL wasteload allocations and implements an inspection frequency consistent with Part II G 2 a.
- b. Polychlorinated biphenyl (PCB) impaired waters. Discharges of stormwater from construction activities that include the demolition of any structure with at least 10,000 square feet of floor space built or renovated before January 1, 1980, to surface waters identified as impaired in the 2016 § 305(b)/303(d) Water Quality Assessment Integrated Report or for which a TMDL wasteload allocation has been established and approved prior to the term of this general permit for PCB are not eligible for coverage under this general permit unless the operator develops, implements, and maintains a SWPPP in accordance with Part II B 6 of this permit that minimizes the pollutants of concern and, when applicable, is consistent with the assumptions and requirements of the approved TMDL wasteload allocations, and implements an inspection frequency consistent with Part II G 2 a.

5. Exceptional waters limitation. Discharges of stormwater from construction activities not previously covered under the general permit effective on July 1, 2014, to exceptional waters identified in 9VAC25-260-30 A 3 c are not eligible for coverage under this general permit unless the operator develops, implements, and maintains a SWPPP in accordance with Part II B 7 of this permit and implements an inspection frequency consistent with Part II G 2 a.

6. There shall be no discharge of floating solids or visible foam in other than trace amounts.

C. Commingled discharges. Discharges authorized by this general permit may be commingled with other sources of stormwater that are not required to be covered under a state permit, so long as the commingled discharge is in compliance with this general permit. Discharges authorized by a separate state or VPDES permit may be commingled with discharges authorized by this general permit so long as all such discharges comply with all applicable state and VPDES permit requirements.

D. Prohibition of nonstormwater discharges. Except as provided in Parts I A 2, I C, and I E, all discharges covered by this general permit shall be composed entirely of stormwater associated with construction activities. All other discharges including the following are prohibited:

1. Wastewater from washout of concrete;
2. Wastewater from the washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials;

3. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
4. Oils, toxic substances, or hazardous substances from spills or other releases; and
5. Soaps, solvents, or detergents used in equipment and vehicle washing.

E. Authorized nonstormwater discharges. The following nonstormwater discharges from construction activities are authorized by this general permit when discharged in compliance with this general permit:

1. Discharges from firefighting activities;
2. Fire hydrant flushings;
3. Waters used to wash vehicles or equipment where soaps, solvents, or detergents have not been used and the wash water has been filtered, settled, or similarly treated prior to discharge;
4. Water used to control dust that has been filtered, settled, or similarly treated prior to discharge;
5. Potable water sources, including uncontaminated waterline flushings, managed in a manner to avoid an instream impact;
6. Routine external building wash down where soaps, solvents or detergents have not been used and the wash water has been filtered, settled, or similarly treated prior to discharge;
7. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (or where all spilled or leaked material has been removed prior to washing); where soaps, solvents, or detergents have not been used; and where the wash water has been filtered, settled, or similarly treated prior to discharge;
8. Uncontaminated air conditioning or compressor condensate;
9. Uncontaminated ground water or spring water;
10. Foundation or footing drains where flows are not contaminated with process materials such as solvents;
11. Uncontaminated excavation dewatering, including dewatering of trenches and excavations that have been filtered, settled, or similarly treated prior to discharge; and
12. Landscape irrigation.

F. Termination of general permit coverage.

1. The operator of the construction activity shall submit a notice of termination in accordance with 9VAC25-880-60, unless a registration statement was not required to be submitted in accordance with 9VAC25-880-50 A 1 c or A 2 b for single-family detached residential structures, to the VSMP authority after one or more of the following conditions have been met:

- a. Necessary permanent control measures included in the SWPPP for the site are in place and functioning effectively and final stabilization has been achieved on all portions of the site for which the operator has operational control. When applicable, long term responsibility and maintenance requirements for permanent control measures shall be recorded in the local land records prior to the submission of a complete and accurate notice of termination and the construction record drawing prepared;
  - b. Another operator has assumed control over all areas of the site that have not been finally stabilized and obtained coverage for the ongoing discharge;
  - c. Coverage under an alternative VPDES or state permit has been obtained; or
  - d. For individual lots in residential construction only, final stabilization as defined in 9VAC25-880-1 has been completed, including providing written notification to the homeowner and incorporating a copy of the notification and signed certification statement into the SWPPP, and the residence has been transferred to the homeowner.
2. The notice of termination shall be submitted no later than 30 days after one of the above conditions in subdivision 1 of this subsection is met.
  3. Termination of authorization to discharge for the conditions set forth in subdivision 1 a of this subsection shall be effective upon notification from the department that the provisions of subdivision 1 a of this subsection have been met or 60 days after submittal of a complete and accurate notice of termination in accordance with 9VAC25-880-60 C, whichever occurs first.
  4. Authorization to discharge terminates at midnight on the date that the notice of termination is submitted for the conditions set forth in subdivisions 1 b through 1 d of this subsection unless otherwise notified by the VSMP authority or department.
  5. The notice of termination shall be signed in accordance with Part III K of this general permit.

G. Water quality protection.

1. The operator shall select, install, implement, and maintain control measures as identified in the SWPPP at the construction site that minimize pollutants in the discharge as necessary to ensure that the operator's discharge does not cause or contribute to an excursion above any applicable water quality standard.
2. If it is determined by the department that the operator's discharges are causing, have reasonable potential to cause, or are contributing to an excursion above any applicable water quality standard, the department, in consultation with the VSMP authority, may take appropriate enforcement action and require the operator to:
  - a. Modify or implement additional control measures in accordance with Part II C to adequately address the identified water quality concerns;
  - b. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or

- c. Submit an individual permit application in accordance with 9VAC25-870-410 B 3.

All written responses required under this chapter shall include a signed certification consistent with Part III K.

## PART II

### STORMWATER POLLUTION PREVENTION PLAN

#### A. Stormwater pollution prevent plan.

1. A stormwater pollution prevention plan (SWPPP) shall be developed prior to the submission of a registration statement and implemented for the construction activity, including any support activity, covered by this general permit. SWPPPs shall be prepared in accordance with good engineering practices. Construction activities that are part of a larger common plan of development or sale and disturb less than one acre may utilize a SWPPP template provided by the department and need not provide a separate stormwater management plan if one has been prepared and implemented for the larger common plan of development or sale.
2. The SWPPP requirements of this general permit may be fulfilled by incorporating by reference other plans such as a spill prevention control and countermeasure (SPCC) plan developed for the site under § 311 of the federal Clean Water Act or best management practices (BMP) programs otherwise required for the facility provided that the incorporated plan meets or exceeds the SWPPP requirements of Part II B. All plans incorporated by reference into the SWPPP become enforceable under this general permit. If a plan incorporated by reference does not contain all of the required elements of the SWPPP, the operator shall develop the missing elements and include them in the SWPPP.
3. Any operator that was authorized to discharge under the general permit effective July 1, 2014, and that intends to continue coverage under this general permit, shall update its stormwater pollution prevention plan to comply with the requirements of this general permit no later than 60 days after the date of coverage under this general permit.

#### B. Contents. The SWPPP shall include the following items:

1. General information.
  - a. A signed copy of the registration statement, if required, for coverage under the general VPDES permit for discharges of stormwater from construction activities;
  - b. Upon receipt, a copy of the notice of coverage under the general VPDES permit for discharges of stormwater from construction activities (i.e., notice of coverage letter);
  - c. Upon receipt, a copy of the general VPDES permit for discharges of stormwater from construction activities;
  - d. A narrative description of the nature of the construction activity, including the function of the project (e.g., low density residential, shopping mall, highway, etc.);
  - e. A legible site plan identifying:

- (1) Directions of stormwater flow and approximate slopes anticipated after major grading activities;
  - (2) Limits of land disturbance including steep slopes and natural buffers around surface waters that will not be disturbed;
  - (3) Locations of major structural and nonstructural control measures, including sediment basins and traps, perimeter dikes, sediment barriers, and other measures intended to filter, settle, or similarly treat sediment, that will be installed between disturbed areas and the undisturbed vegetated areas in order to increase sediment removal and maximize stormwater infiltration;
  - (4) Locations of surface waters;
  - (5) Locations where concentrated stormwater is discharged;
  - (6) Locations of any support activities, including (i) areas where equipment and vehicle washing, wheel wash water, and other wash water is to occur; (ii) storage areas for chemicals such as acids, fuels, fertilizers, and other lawn care chemicals; (iii) concrete wash out areas; (iv) vehicle fueling and maintenance areas; (v) sanitary waste facilities, including those temporarily placed on the construction site; and (vi) construction waste storage; and
  - (7) When applicable, the location of the on-site rain gauge or the methodology established in consultation with the VSMP authority used to identify measurable storm events for inspection as allowed by Part II G 2 a (1) (ii) or Part II G 2 b (2).
2. Erosion and sediment control plan.
- a. An erosion and sediment control plan designed and approved in accordance with the Virginia Erosion and Sediment Control Regulations (9VAC25-840), an "agreement in lieu of a plan" as defined in 9VAC25-840-10 from the VESCP authority, or an erosion and sediment control plan prepared in accordance with annual standards and specifications approved by the department.
  - b. All erosion and sediment control plans shall include a statement describing the maintenance responsibilities required for the erosion and sediment controls used.
  - c. An approved erosion and sediment control plan, "agreement in lieu of a plan," or erosion and sediment control plan prepared in accordance with department-approved annual standards and specifications, implemented to:
    - (1) Control the volume and velocity of stormwater runoff within the site to minimize soil erosion;
    - (2) Control stormwater discharges, including peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;

- (3) Minimize the amount of soil exposed during the construction activity;
- (4) Minimize the disturbance of steep slopes;
- (5) Minimize sediment discharges from the site in a manner that addresses (i) the amount, frequency, intensity, and duration of precipitation; (ii) the nature of resulting stormwater runoff; and (iii) soil characteristics, including the range of soil particle sizes present on the site;
- (6) Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal, and maximize stormwater infiltration, unless infeasible;
- (7) Minimize soil compaction and, unless infeasible, preserve topsoil;
- (8) Ensure initiation of stabilization activities, as defined in 9VAC25-880-1, of disturbed areas immediately whenever any clearing, grading, excavating, or other land-disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 days; and
- (9) Utilize outlet structures that withdraw stormwater from the surface (i.e., above the permanent pool or wet storage water surface elevation), unless infeasible, when discharging from sediment basins or sediment traps.

### 3. Stormwater management plan.

- a. Except for those projects identified in Part II B 3 b, a stormwater management plan approved by the VSMP authority as authorized under the Virginia Stormwater Management Program (VSMP) Regulation (9VAC25-870), or an "agreement in lieu of a stormwater management plan" as defined in 9VAC25-870-10 from the VSMP authority, or a stormwater management plan prepared in accordance with annual standards and specifications approved by the department.
- b. For any operator meeting the conditions of 9VAC25-870-47 B of the VSMP regulation, an approved stormwater management plan is not required. In lieu of an approved stormwater management plan, the SWPPP shall include a description of, and all necessary calculations supporting, all post-construction stormwater management measures that will be installed prior to the completion of the construction process to control pollutants in stormwater discharges after construction operations have been completed. Structural measures should be placed on upland soils to the degree possible. Such measures must be designed and installed in accordance with applicable VESCP authority, VSMP authority, state, and federal requirements, and any necessary permits must be obtained.

### 4. Pollution prevention plan. A pollution prevention plan that addresses potential pollutant-generating activities that may reasonably be expected to affect the quality of stormwater discharges from the construction activity, including any support activity. The pollution prevention plan shall:

- a. Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater;



- b. Describe the location where the potential pollutant-generating activities will occur, or if identified on the site plan, reference the site plan;
- c. Identify all nonstormwater discharges, as authorized in Part I E of this general permit, that are or will be commingled with stormwater discharges from the construction activity, including any applicable support activity;
- d. Identify the person responsible for implementing the pollution prevention practice or practices for each pollutant-generating activity (if other than the person listed as the qualified personnel);
- e. Describe the pollution prevention practices and procedures that will be implemented to:
  - (1) Prevent and respond to leaks, spills, and other releases including (i) procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases; and (ii) procedures for reporting leaks, spills, and other releases in accordance with Part III G;
  - (2) Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities (e.g., providing secondary containment such as spill berms, decks, spill containment pallets, providing cover where appropriate, and having spill kits readily available);
  - (3) Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including the clean-up of stucco, paint, form release oils, and curing compounds (e.g., providing (i) cover (e.g., plastic sheeting or temporary roofs) to prevent contact with stormwater; (ii) collection and proper disposal in a manner to prevent contact with stormwater; and (iii) a similarly effective means designed to prevent discharge of these pollutants);
  - (4) Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing (e.g., locating activities away from surface waters and stormwater inlets or conveyance and directing wash waters to sediment basins or traps, using filtration devices such as filter bags or sand filters, or using similarly effective controls);
  - (5) Direct concrete wash water into a leak-proof container or leak-proof settling basin. The container or basin shall be designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wash waters and shall not be discharged to surface waters;
  - (6) Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including (i) building products such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures; (ii) pesticides, herbicides, insecticides, fertilizers, and landscape

- materials; and (iii) construction and domestic wastes such as packaging materials, scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, Styrofoam, concrete, and other trash or building materials;
  - (7) Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete, and sanitary wastes;
  - (8) Address any other discharge from the potential pollutant-generating activities not addressed above;
  - (9) Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in cases where the exposure to precipitation will not result in a discharge of pollutants; and
  - f. Describe procedures for providing pollution prevention awareness of all applicable wastes, including any wash water, disposal practices, and applicable disposal locations of such wastes, to personnel in order to comply with the conditions of this general permit. The operator shall implement the procedures described in the SWPPP.
5. SWPPP requirements for discharges to nutrient and sediment impaired waters. For discharges to surface waters (i) identified as impaired in the 2016 § 305(b)/303(d) Water Quality Assessment Integrated Report or (ii) with an applicable TMDL wasteload allocation established and approved prior to the term of this general permit for sediment for a sediment-related parameter (i.e., total suspended solids or turbidity) or nutrients (i.e., nitrogen or phosphorus), the operator shall:
- a. Identify the impaired waters, approved TMDLs, and pollutants of concern in the SWPPP; and
  - b. Provide clear direction in the SWPPP that:
    - (1) Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site;
    - (2) Nutrients shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan and shall not be applied during rainfall events; and
    - (3) A modified inspection schedule shall be implemented in accordance with Part II G 2 a.
6. SWPPP requirements for discharges to polychlorinated biphenyl (PCB) impaired waters. For discharges from construction activities that include the demolition of any structure with at least 10,000 square feet of floor space built or renovated before January 1, 1980, to surface waters (i) identified as impaired in the 2016 § 305(b)/303(d) Water Quality Assessment Integrated Report or (ii) with an applicable TMDL wasteload allocation established and approved prior to the term of this general permit for PCB, the operator shall:

- a. Identify the impaired waters, approved TMDLs, and pollutant of concern in the SWPPP;
  - b. Implement the approved erosion and sediment control plan in accordance with Part II B 2;
  - c. Dispose of waste materials in compliance with applicable state, federal, and local requirements; and
  - d. Implement a modified inspection schedule in accordance with Part II G 2 a.
7. SWPPP requirements for discharges to exceptional waters. For discharges to surface waters identified in 9VAC25-260-30 A 3 c as an exceptional water, the operator shall:
- a. Identify the exceptional surface waters in the SWPPP; and
  - b. Provide clear direction in the SWPPP that:
    - (1) Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site;
    - (2) Nutrients shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan and shall not be applied during rainfall events; and
    - (3) A modified inspection schedule shall be implemented in accordance with Part II G 2 a.
8. Identification of qualified personnel. The name, phone number, and qualifications of the qualified personnel conducting inspections required by this general permit.
9. Delegation of authority. The individuals or positions with delegated authority, in accordance with Part III K, to sign inspection reports or modify the SWPPP.
10. SWPPP signature. The SWPPP shall be signed and dated in accordance with Part III K.

C. SWPPP amendments, modification, and updates.

1. The operator shall amend the SWPPP whenever there is a change in the design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants to surface waters and that has not been previously addressed in the SWPPP.
2. The SWPPP shall be amended if, during inspections or investigations by the operator's qualified personnel, or by local, state, or federal officials, it is determined that the existing control measures are ineffective in minimizing pollutants in discharges from the construction activity. Revisions to the SWPPP shall include additional or modified control measures designed and implemented to correct problems identified. If approval by the VESCP authority, VSMP authority, or department is necessary for the control measure, revisions to the SWPPP shall be completed no later than seven calendar days following approval. Implementation of these additional or modified control measures shall be accomplished as described in Part II H.

3. The SWPPP shall clearly identify the contractors that will implement and maintain each control measure identified in the SWPPP. The SWPPP shall be amended to identify any new contractor that will implement and maintain a control measure.
4. The operator shall update the SWPPP as soon as possible but no later than seven days following any modification to its implementation. All modifications or updates to the SWPPP shall be noted and shall include the following items:
  - a. A record of dates when:
    - (1) Major grading activities occur;
    - (2) Construction activities temporarily or permanently cease on a portion of the site; and
    - (3) Stabilization measures are initiated;
  - b. Documentation of replaced or modified controls where periodic inspections or other information have indicated that the controls have been used inappropriately or incorrectly and were modified;
  - c. Areas that have reached final stabilization and where no further SWPPP or inspection requirements apply;
  - d. All properties that are no longer under the legal control of the operator and the dates on which the operator no longer had legal control over each property;
  - e. The date of any prohibited discharges, the discharge volume released, and what actions were taken to minimize the impact of the release;
  - f. Measures taken to prevent the reoccurrence of any prohibited discharge; and
  - g. Measures taken to address any evidence identified as a result of an inspection required under Part II G.
5. Amendments, modifications, or updates to the SWPPP shall be signed in accordance with Part III K.

D. Public notification. Upon commencement of land disturbance, the operator shall post conspicuously a copy of the notice of coverage letter near the main entrance of the construction activity. For linear projects, the operator shall post the notice of coverage letter at a publicly accessible location near an active part of the construction project (e.g., where a pipeline crosses a public road). The operator shall maintain the posted information until termination of general permit coverage as specified in Part I F.

E. SWPPP availability.

1. Operators with day-to-day operational control over SWPPP implementation shall have a copy of the SWPPP available at a central location on-site for use by those identified as having responsibilities under the SWPPP whenever they are on the construction site.

2. The operator shall make the SWPPP and all amendments, modifications, and updates available upon request to the department, the VSMP authority, the EPA, the VESCP authority, local government officials, or the operator of a municipal separate storm sewer system receiving discharges from the construction activity. If an on-site location is unavailable to store the SWPPP when no personnel are present, notice of the SWPPP's location shall be posted near the main entrance of the construction site.
3. The operator shall make the SWPPP available for public review in an electronic format or in hard copy. Information for public access to the SWPPP shall be posted and maintained in accordance with Part II D. If not provided electronically, public access to the SWPPP may be arranged upon request at a time and at a publicly accessible location convenient to the operator or his designee but shall be no less than once per month and shall be during normal business hours. Information not required to be contained within the SWPPP by this general permit is not required to be released.

F. SWPPP implementation. The operator shall implement the SWPPP and subsequent amendments, modifications, and updates from commencement of land disturbance until termination of general permit coverage as specified in Part I F.

1. All control measures shall be properly maintained in effective operating condition in accordance with good engineering practices and, where applicable, manufacturer specifications. If a site inspection required by Part II G identifies a control measure that is not operating effectively, corrective actions shall be completed as soon as practicable, but no later than seven days after discovery or a longer period as established by the VSMP authority, to maintain the continued effectiveness of the control measures.
2. If site inspections required by Part II G identify an existing control measure that needs to be modified or if an additional or alternative control measure is necessary for any reason, implementation shall be completed prior to the next anticipated measurable storm event. If implementation prior to the next anticipated measurable storm event is impracticable, then additional or alternative control measures shall be implemented as soon as practicable, but no later than seven days after discovery or a longer period as established by the VSMP authority.

G. SWPPP Inspections.

1. Personnel responsible for on-site and off-site inspections. Inspections required by this general permit shall be conducted by the qualified personnel identified by the operator in the SWPPP. The operator is responsible for ensuring that the qualified personnel conduct the inspection.
2. Inspection schedule.
  - a. For construction activities that discharge to a surface water identified in Part II B 5 and B 6 as impaired or having an approved TMDL or Part I B 7 as exceptional, the following inspection schedule requirements apply:
    - (1) Inspections shall be conducted at a frequency of (i) at least once every four business days or (ii) at least once every five 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
- (2) Representative inspections as authorized in Part II G 2 d shall not be allowed.
- b. Except as specified in Part II G 2 a, inspections shall be conducted at a frequency of:
- (1) At least once every five business days; or
- (2) At least once every 10 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.
- c. Where areas have been temporarily stabilized or land-disturbing activities will be suspended due to continuous frozen ground conditions and stormwater discharges are unlikely, the inspection frequency described in Part II G 2 a and 2 b may be reduced to once per month. If weather conditions (such as above freezing temperatures or rain or snow events) make discharges likely, the operator shall immediately resume the regular inspection frequency.
- d. Except as prohibited in Part II G 2 a (2), representative inspections may be utilized for utility line installation, pipeline construction, or other similar linear construction activities provided that:
- (1) Temporary or permanent soil stabilization has been installed and vehicle access may compromise the temporary or permanent soil stabilization and potentially cause additional land disturbance increasing the potential for erosion;
- (2) Inspections occur on the same frequency as other construction activities;
- (3) Control measures are inspected along the construction site 0.25 miles above and below each access point (i.e., where a roadway, undisturbed right-of-way, or other similar feature intersects the construction activity and access does not compromise temporary or permanent soil stabilization); and
- (4) Inspection locations are provided in the inspection report required by Part II G.
- e. If adverse weather causes the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. Any time inspections are delayed due to adverse weather conditions, evidence of the adverse weather conditions shall be included in the SWPPP with the dates of occurrence.
3. Inspection requirements.
- a. As part of the inspection, the qualified personnel shall:
- (1) Record the date and time of the inspection and, when applicable, the date and rainfall amount of the last measurable storm event;

- (2) Record the information and a description of any discharges occurring at the time of the inspection or evidence of discharges occurring prior to the inspection;
- (3) Record any land-disturbing activities that have occurred outside of the approved erosion and sediment control plan;
- (4) Inspect the following for installation in accordance with the approved erosion and sediment control plan, identification of any maintenance needs, and evaluation of effectiveness in minimizing sediment discharge, including whether the control has been inappropriately or incorrectly used:
  - (a) All perimeter erosion and sediment controls, such as silt fence;
  - (b) Soil stockpiles, when applicable, and borrow areas for stabilization or sediment trapping measures;
  - (c) Completed earthen structures, such as dams, dikes, ditches, and diversions for stabilization and effective impoundment or flow control;
  - (d) Cut and fill slopes;
  - (e) Sediment basins and traps, sediment barriers, and other measures installed to control sediment discharge from stormwater;
  - (f) Temporary or permanent channels, flumes, or other slope drain structures installed to convey concentrated runoff down cut and fill slopes;
  - (g) Storm inlets that have been made operational to ensure that sediment laden stormwater does not enter without first being filtered or similarly treated; and
  - (h) Construction vehicle access routes that intersect or access paved or public roads for minimizing sediment tracking;
- (5) Inspect areas that have reached final grade or that will remain dormant for more than 14 days to ensure:
  - (a) Initiation of stabilization activities have occurred immediately, as defined in 9VAC25-880-1; and
  - (b) Stabilization activities have been completed within seven days of reaching grade or stopping work;
- (6) Inspect for evidence that the approved erosion and sediment control plan, "agreement in lieu of a plan," or erosion and sediment control plan prepared in accordance with department-approved annual standards and specifications has not been properly implemented. This includes:

- (a) Concentrated flows of stormwater in conveyances such as rills, rivulets, or channels that have not been filtered, settled, or similarly treated prior to discharge, or evidence thereof;
  - (b) Sediment laden or turbid flows of stormwater that have not been filtered or settled to remove sediments prior to discharge;
  - (c) Sediment deposition in areas that drain to unprotected stormwater inlets or catch basins that discharge to surface waters. Inlets and catch basins with failing sediment controls due to improper installation, lack of maintenance, or inadequate design are considered unprotected;
  - (d) Sediment deposition on any property (including public and private streets) outside of the construction activity covered by this general permit;
  - (e) Required stabilization has not been initiated or completed or is not effective on portions of the site;
  - (f) Sediment basins without adequate wet or dry storage volume or sediment basins that allow the discharge of stormwater from below the surface of the wet storage portion of the basin;
  - (g) Sediment traps without adequate wet or dry storage or sediment traps that allow the discharge of stormwater from below the surface of the wet storage portion of the trap; and
  - (h) Land disturbance or sediment deposition outside of the approved area to be disturbed;
- (7) Inspect pollutant generating activities identified in the pollution prevention plan for the proper implementation, maintenance, and effectiveness of the procedures and practices;
- (8) Identify any pollutant generating activities not identified in the pollution prevention plan; and
- (9) Identify and document the presence of any evidence of the discharge of pollutants prohibited by this general permit.
4. Inspection report. Each inspection report shall include the following items:
- a. The date and time of the inspection and, when applicable, the date and rainfall amount of the last measurable storm event;
  - b. Summarized findings of the inspection;
  - c. The locations of prohibited discharges;
  - d. The locations of control measures that require maintenance;



- e. The locations of control measures that failed to operate as designed or proved inadequate or inappropriate for a particular location;
  - f. The locations where any evidence identified under Part II G 3 a (6) exists;
  - g. The locations where any additional control measure is needed;
  - h. A list of corrective actions required (including any changes to the SWPPP that are necessary) as a result of the inspection or to maintain permit compliance;
  - i. Documentation of any corrective actions required from a previous inspection that have not been implemented; and
  - j. The date and signature of the qualified personnel and the operator or its duly authorized representative.
- 5. The inspection report shall be included into the SWPPP no later than four business days after the inspection is complete.
  - 6. The inspection report and any actions taken in accordance with Part II shall be retained by the operator as part of the SWPPP for at least three years from the date that general permit coverage expires or is terminated. The inspection report shall identify any incidents of noncompliance. Where an inspection report does not identify any incidents of noncompliance, the report shall contain a certification that the construction activity is in compliance with the SWPPP and this general permit. The report shall be signed in accordance with Part III K of this general permit.

#### H. Corrective actions.

- 1. The operator shall implement the corrective actions identified as a result of an inspection as soon as practicable but no later than seven days after discovery or a longer period as approved by the VSMP authority. If approval of a corrective action by a regulatory authority (e.g., VSMP authority, VESCP authority, or the department) is necessary, additional control measures shall be implemented to minimize pollutants in stormwater discharges until such approvals can be obtained.
- 2. The operator may be required to remove accumulated sediment deposits located outside of the construction activity covered by this general permit as soon as practicable in order to minimize environmental impacts. The operator shall notify the VSMP authority and the department as well as obtain all applicable federal, state, and local authorizations, approvals, and permits prior to the removal of sediments accumulated in surface waters including wetlands.

### PART III

#### CONDITIONS APPLICABLE TO ALL VPDES PERMITS

NOTE: Discharge monitoring is not required for this general permit. If the operator chooses to monitor stormwater discharges or control measures, the operator shall comply with the requirements of subsections A, B, and C, as appropriate.

##### A. Monitoring.

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitoring activity.
2. Monitoring shall be conducted according to procedures approved under 40 CFR Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this general permit. Analyses performed according to test procedures approved under 40 CFR Part 136 shall be performed by an environmental laboratory certified under regulations adopted by the Department of General Services (1VAC30-45 or 1VAC30-46).
3. The operator shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will ensure accuracy of measurements.

##### B. Records.

1. Monitoring records and reports shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The individuals who performed the sampling or measurements;
  - c. The dates and times analyses were performed;
  - d. The individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
2. The operator shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this general permit, and records of all data used to complete the registration statement for this general permit, for a period of at least three years from the date of the sample, measurement, report or request for coverage. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the operator, or as requested by the board.

##### C. Reporting monitoring results.

1. The operator shall update the SWPPP to include the results of the monitoring as may be performed in accordance with this general permit, unless another reporting schedule is specified elsewhere in this general permit.
2. Monitoring results shall be reported on a discharge monitoring report (DMR); on forms provided, approved or specified by the department; or in any format provided that the date, location, parameter, method, and result of the monitoring activity are included.
3. If the operator monitors any pollutant specifically addressed by this general permit more frequently than required by this general permit using test procedures approved under 40 CFR Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this general permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the department.
4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this general permit.

D. Duty to provide information. The operator shall furnish, within a reasonable time, any information which the board may request to determine whether cause exists for terminating this general permit coverage or to determine compliance with this general permit. The board, department, EPA, or VSMP authority may require the operator to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of surface waters, or such other information as may be necessary to accomplish the purposes of the CWA and the Virginia Stormwater Management Act. The operator shall also furnish to the board, department, EPA, or VSMP authority, upon request, copies of records required to be kept by this general permit.

E. Compliance schedule reports. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this general permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized stormwater discharges. Pursuant to § 62.1-44.5 of the Code of Virginia, except in compliance with a state permit issued by the department, it shall be unlawful to cause a stormwater discharge from a construction activity.

G. Reports of unauthorized discharges. Any operator who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance or a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, 40 CFR Part 302, or § 62.1-44.34:19 of the Code of Virginia that occurs during a 24-hour period into or upon surface waters or who discharges or causes or allows a discharge that may reasonably be expected to enter surface waters, shall notify the Department of Environmental Quality of the discharge immediately upon discovery of the discharge, but in no case later than within 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department and the VSMP authority within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;

3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this general permit.

Discharges reportable to the department and the VSMP authority under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of unusual or extraordinary discharges. If any unusual or extraordinary discharge including a "bypass" or "upset," as defined in this general permit, should occur from a facility and the discharge enters or could be expected to enter surface waters, the operator shall promptly notify, in no case later than within 24 hours, the department and the VSMP authority by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse effects on aquatic life and the known number of fish killed. The operator shall reduce the report to writing and shall submit it to the department and the VSMP authority within five days of discovery of the discharge in accordance with Part III I 2. Unusual and extraordinary discharges include any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service of some or all of the facilities; and
4. Flooding or other acts of nature.

I. Reports of noncompliance. The operator shall report any noncompliance which may adversely affect surface waters or may endanger public health.

1. An oral report to the department and the VSMP authority shall be provided within 24 hours from the time the operator becomes aware of the circumstances. The following shall be included as information that shall be reported within 24 hours under this subdivision:
  - a. Any unanticipated bypass; and
  - b. Any upset that causes a discharge to surface waters.
2. A written report shall be submitted within five days and shall contain:
  - a. A description of the noncompliance and its cause;

- b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
- c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The department may waive the written report on a case-by-case basis for reports of noncompliance under Part III I if the oral report has been received within 24 hours and no adverse impact on surface waters has been reported.

- 3. The operator shall report all instances of noncompliance not reported under Part III I 1 or 2 in writing as part of the SWPPP. The reports shall contain the information listed in Part III I 2.

NOTE: The reports required in Part III G, H and I shall be made to the department and the VSMP authority. Reports may be made by telephone, email, or by fax. For reports outside normal working hours, leaving a recorded message shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Management maintains a 24-hour telephone service at 1-800-468-8892.

- 4. Where the operator becomes aware of a failure to submit any relevant facts, or submittal of incorrect information in any report, including a registration statement, to the department or the VSMP authority, the operator shall promptly submit such facts or correct information.

#### J. Notice of planned changes.

- 1. The operator shall give notice to the department and the VSMP authority as soon as possible of any planned physical alterations or additions to the permitted facility or activity. Notice is required only when:
  - a. The operator plans an alteration or addition to any building, structure, facility, or installation that may meet one of the criteria for determining whether a facility is a new source in 9VAC25-870-420;
  - b. The operator plans an alteration or addition that would significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to effluent limitations in this general permit; or
- 2. The operator shall give advance notice to the department and VSMP authority of any planned changes in the permitted facility or activity, which may result in noncompliance with state permit requirements.

#### K. Signatory requirements.

- 1. Registration statement. All registration statements shall be signed as follows:
  - a. For a corporation: by a responsible corporate officer. For the purpose of this chapter, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the

manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
  - c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this chapter, a principal executive officer of a public agency includes (i) the chief executive officer of the agency or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. Reports and other information. All reports required by this general permit, including SWPPPs, and other information requested by the board or the department shall be signed by a person described in Part III K 1 or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - a. The authorization is made in writing by a person described in Part III K 1;
  - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the operator. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
  - c. The signed and dated written authorization is included in the SWPPP. A copy shall be provided to the department and VSMP authority, if requested.
3. Changes to authorization. If an authorization under Part III K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the construction activity, a new authorization satisfying the requirements of Part III K 2 shall be submitted to the VSMP authority as the administering entity for the board prior to or together with any reports or information to be signed by an authorized representative.
4. Certification. Any person signing a document under Part III K 1 or 2 shall make the following certification:
5. "I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant

penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to comply. The operator shall comply with all conditions of this general permit. Any state permit noncompliance constitutes a violation of the Virginia Stormwater Management Act and the Clean Water Act, except that noncompliance with certain provisions of this general permit may constitute a violation of the Virginia Stormwater Management Act but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for state permit coverage, termination, revocation and reissuance, or modification; or denial of a state permit renewal application.

The operator shall comply with effluent standards or prohibitions established under § 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this general permit has not yet been modified to incorporate the requirement.

M. Duty to reapply. If the operator wishes to continue an activity regulated by this general permit after the expiration date of this general permit, the operator shall submit a new registration statement at least 60 days before the expiration date of the existing general permit, unless permission for a later date has been granted by the board. The board shall not grant permission for registration statements to be submitted later than the expiration date of the existing general permit.

N. Effect of a state permit. This general permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State law. Nothing in this general permit shall be construed to preclude the institution of any legal action under, or relieve the operator from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by § 510 of the Clean Water Act. Except as provided in general permit conditions on "bypassing" (Part III U) and "upset" (Part III V), nothing in this general permit shall be construed to relieve the operator from civil and criminal penalties for noncompliance.

P. Oil and hazardous substance liability. Nothing in this general permit shall be construed to preclude the institution of any legal action or relieve the operator from any responsibilities, liabilities, or penalties to which the operator is or may be subject under §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law or § 311 of the Clean Water Act.

Q. Proper operation and maintenance. The operator shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances), which are installed or used by the operator to achieve compliance with the conditions of this general permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems, which are installed by the operator only when the operation is necessary to achieve compliance with the conditions of this general permit.

R. Disposal of solids or sludges. Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering surface waters and in compliance with all applicable state and federal laws and regulations.

S. Duty to mitigate. The operator shall take all steps to minimize or prevent any discharge in violation of this general permit that has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to halt or reduce activity not a defense. It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this general permit.

U. Bypass.

1. "Bypass," as defined in 9VAC25-870-10, means the intentional diversion of waste streams from any portion of a treatment facility. The operator may allow any bypass to occur that does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to ensure efficient operation. These bypasses are not subject to the provisions of Part III U 2 and 3.
2. Notice.
  - a. Anticipated bypass. If the operator knows in advance of the need for a bypass, the operator shall submit prior notice to the department, if possible at least 10 days before the date of the bypass.
  - b. Unanticipated bypass. The operator shall submit notice of an unanticipated bypass as required in Part III I.
3. Prohibition of bypass.
  - a. Except as provided in Part III U 1, bypass is prohibited, and the board or department may take enforcement action against an operator for bypass unless:
    - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage. Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production;
    - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance; and
    - (3) The operator submitted notices as required under Part III U 2.
  - b. The department may approve an anticipated bypass, after considering its adverse effects, if the department determines that it will meet the three conditions listed in Part III U 3 a.



## V. Upset.

1. An "upset," as defined in 9VAC25-870-10, means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based state permit effluent limitations because of factors beyond the reasonable control of the operator. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
2. An upset constitutes an affirmative defense to an action brought for noncompliance with technology-based state permit effluent limitations if the requirements of Part III V 4 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
3. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
4. An operator who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that:
  - a. An upset occurred and that the operator can identify the cause of the upset;
  - b. The permitted facility was at the time being properly operated;
  - c. The operator submitted notice of the upset as required in Part III I; and
  - d. The operator complied with any remedial measures required under Part III S.
5. In any enforcement proceeding, the operator seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and entry. The operator shall allow the department as the board's designee, the VSMP authority, EPA, or an authorized representative of either entity (including an authorized contractor), upon presentation of credentials and other documents as may be required by law to:

1. Enter upon the operator's premises where a regulated facility or activity is located or conducted, or where records shall be kept under the conditions of this general permit;
2. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this general permit;
3. Inspect and photograph at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this general permit; and
4. Sample or monitor at reasonable times, for the purposes of ensuring state permit compliance or as otherwise authorized by the Clean Water Act or the Virginia Stormwater Management Act, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. State permit actions. State permit coverage may be modified, revoked and reissued, or terminated for cause. The filing of a request by the operator for a state permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any state permit condition.

Y. Transfer of state permit coverage.

1. State permits are not transferable to any person except after notice to the department. Except as provided in Part III Y 2, a state permit may be transferred by the operator to a new operator only if the state permit has been modified or revoked and reissued, or a minor modification made, to identify the new operator and incorporate such other requirements as may be necessary under the Virginia Stormwater Management Act and the Clean Water Act.
2. As an alternative to transfers under Part III Y 1, this state permit may be automatically transferred to a new operator if:
  - a. The current operator notifies the department at least 30 days in advance of the proposed transfer of the title to the facility or property;
  - b. The notice includes a written agreement between the existing and new operators containing a specific date for transfer of state permit responsibility, coverage, and liability between them; and
  - c. The department does not notify the existing operator and the proposed new operator of its intent to modify or revoke and reissue the state permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part III Y 2 b.
3. For ongoing construction activity involving a change of operator, the new operator shall accept and maintain the existing SWPPP, or prepare and implement a new SWPPP prior to taking over operations at the site.

Z. Severability. The provisions of this general permit are severable, and if any provision of this general permit or the application of any provision of this state permit to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this general permit shall not be affected thereby.

**SECTION 4**

**REGISTRATION STATEMENT**

**VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY  
GENERAL VPDES PERMIT FOR DISCHARGES OF STORMWATER FROM  
CONSTRUCTION ACTIVITIES (VAR10)  
REGISTRATION STATEMENT 2019**

FOR OFFICE USE ONLY  
ID Number: \_\_\_\_\_  
Technical Criteria: IIB ☐ IIC ☐

NEW ISSUANCE ☒

RE-ISSUANCE ☐

MODIFICATION WITH ACREAGE INCREASE ☐

MODIFICATION WITHOUT ACREAGE INCREASE ☐

Existing Permit Coverage Number (if applicable, VAR10####): \_\_\_\_\_

**Section I. Operator/Permittee Information.**

- A.** Construction Activity Operator (Permittee). The person or entity that is applying for permit coverage and will have operational control over construction activities to ensure compliance with the general permit. A person with signatory authority for this operator must sign the certification in Section VI. (per Part III. K. of the VAR10 Permit).

Construction Activity Operator Name: The Genuario Properties, Inc.

Contact person: Mr. Louis Genuario, Jr.

Address: 8400 Radford Ave., Suite 100

City, State, Zip Code: Alexandria, Virginia 22309

Phone Number: 703-360-3134

Primary Email: Controller@genuariocompanies.com

CC Email: \_\_\_\_\_

- B.** Billing Information (leave blank if same as the Operator identified in Section I. A. above). This entity will receive Annual Permit Maintenance and Permit Modification Fee invoices (if applicable).

Name: The Genuario Properties, Inc.

Contact Person: Steve Blanchard/Controller

Address: 8400 Radford Avenue, Suite 200

City, State Zip Code: Alexandria, VA 22309

Phone Number: 703-360-3134

Primary Email: Controller@genuariocompanies.com

CC Email: \_\_\_\_\_

- C.** May we transmit correspondence electronically? You must choose **YES** and include a valid email in order to pay by credit card and to receive your permit coverage approval letter via email:

YES ☐

NO ☐

**Section II. Construction Activity Location Information.** Project site information.

- A.** Include a site map showing the location of the existing or proposed land-disturbing activities, the limits of land disturbance, construction entrances and all water bodies receiving stormwater discharges from the site.
- B.** Construction Activity Name: Hybla Valley Farms
- Address: 2804 Boswell Avenue
- City and/or County and Zip Code: Alexandria, VA 22306
- Latitude and Longitude (6-digit, decimal degrees format): 38.750198, -77.079971
- C.** Construction Activity Entrance Location (description, street address and/or latitude/longitude in decimal degrees): 2724 Boswell Avenue; 38.750156, -77.080291

**Section III. Offsite Support Activity Location Information.** List all offsite support activities to be included under this permit registration. Enter additional areas on a separate page. Offsite areas not included on this registration may need to obtain coverage under a separate VPDES permit.

- A.** Offsite Activity Name: \_\_\_\_\_
- Address: \_\_\_\_\_
- City and/or County and Zip Code: \_\_\_\_\_
- Latitude and Longitude (6-digit, decimal degrees format): \_\_\_\_\_
- B.** Offsite Activity Entrance Location (description, street address and/or latitude/longitude in decimal degrees): \_\_\_\_\_

**Section IV. Site Information.**

<b>A. Acreage totals for all land-disturbing activities to be included under this permit coverage. Report to the nearest one-hundredth of an acre.</b>		<b>B. Estimated Project Dates (MM/DD/YYYY)</b>	
Total land area of development (including the entire area to be disturbed as approved in the Stormwater Management Plan):	2.0661 acres	Start date:	
Primary estimated area to be disturbed (portions with Erosion and Sediment Control Plan approval only):	0.5165 acre	Completion date:	
Offsite estimated area to be disturbed (if applicable):	0 acre		

- C.** Property Owner Status: **FEDERAL** ☐ **STATE** ☐ **PUBLIC** ☐ **PRIVATE** ☒
- D.** Nature of the Construction Activity Description (i.e. commercial, industrial, residential, agricultural, environmental): Residential
- E.** Municipal Separate Storm Sewer System (MS4) name (if discharging to a MS4): \_\_\_\_\_

**F.** Is this construction activity part of a common plan of development or sale? **YES** ☐ **NO** ☐

**G.** 6<sup>th</sup> Order Hydrologic Unit Code (HUC) and Receiving Water Name(s). Attach a separate list if needed.

HUC	RECEIVING WATERBODY(S)
02070010	Potomac River-Accotink Creek

**Section V. Other Information.**

**A.** A stormwater pollution prevention plan (SWPPP) must be prepared in accordance with the requirements of the General VPDES Permit for Discharges of Stormwater from Construction Activities prior to submitting the Registration Statement. By signing the Registration Statement, the operator is certifying that the SWPPP has been prepared.

**B.** Has an Erosion and Sediment Control Plan been submitted to the VESCP Authority for review? **YES** ☒ **NO** ☐  
Erosion and Sediment Control Plan Approval Date (for estimated area to be disturbed).: \_\_\_\_\_

**C.** Has land disturbance has commenced? **YES** ☐ **NO** ☒

**D.** If this project is using approved Annual Standards and Specifications (AS&S), attach the completed AS&S Entity Form. AS&S Entity Name (if different from the Operator identified in Section II. A.): \_\_\_\_\_

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**SEE THE FOLLOWING PAGE FOR SIGNATURE  
AND CERTIFICATION REQUIREMENTS AND INFORMATION**

**Section VI. Certification.** A person representing the operator as identified in Section I. A. and meeting the requirements of 9VAC25-880-70. Part III. K must physically sign this certification. A typed signature is not acceptable. Please note that operator is defined in 9VAC25-870-10 as follows:

*"Operator" means the owner or operator of any facility or activity subject to the Act and this chapter. In the context of stormwater associated with a large or small construction activity, operator means any person associated with a construction project that meets either of the following two criteria: (i) the person has direct operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications or (ii) the person has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a stormwater pollution prevention plan for the site or other state permit or VSMP authority permit conditions (i.e., they are authorized to direct workers at a site to carry out activities required by the stormwater pollution prevention plan or comply with other permit conditions). In the context of stormwater discharges from Municipal Separate Storm Sewer Systems (MS4s), operator means the operator of the regulated MS4 system.*

9VAC25-880-70. Part III. K. Signatory Requirements. *Registration Statement. All Registration Statements shall be signed as follows:*

- a. For a corporation: by a responsible corporate officer. For the purpose of this chapter, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;*
- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or*
- c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this chapter, a principal executive officer of a public agency includes: (i) the chief executive officer of the agency or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.*

Certification: "I certify under penalty of law that I have read and understand this Registration Statement and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Printed Name: \_\_\_\_\_

Signature (signed in ink): \_\_\_\_\_

Date: \_\_\_\_\_

**Section VII. Submittal Instructions.** Submit this form to the Virginia Stormwater Management Program (VSMP) Authority. If the locality is the VSMP Authority, please send your Registration Statement submittal directly to the locality; do NOT send this form to DEQ. A list of local VSMP Authorities is available here: [VSMP Authorities](#).

If DEQ is the VSMP Authority, please send to:

**Department of Environmental Quality  
Office of Stormwater Management Suite 1400  
PO Box 1105  
Richmond VA 23218  
[constructiongp@deq.virginia.gov](mailto:constructiongp@deq.virginia.gov)**

If the locality is the VSMP Authority, please send to:

**The Local VSMP Authority (insert address below)**

## CONSTRUCTION GENERAL PERMIT (VAR10) REGISTRATION STATEMENT 2019 INSTRUCTIONS

**PLEASE DO NOT PRINT OR SUBMIT**

This Registration Statement is for coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities. The following permit actions are covered by this form: new issuance, re-issuance, modification with an increase in acreage and plan modifications that do not result in an increase in acreage.

Choose **NEW ISSUANCE** if this Registration Statement submittal is to obtain a new permit coverage, **RE-ISSUANCE** to renew an active, expiring permit coverage or **MODIFICATION** to modify an active permit coverage. When modifying permit coverage, indicate if the modification is increasing the amount of acreage previously covered (**MODIFICATION WITH ACREAGE INCREASE**) or changing the site design with no increase in acreage (**MODIFICATION WITHOUT ACREAGE INCREASE**).

Existing Permit Coverage Number. Provide the permit number for a modification or reissuance (i.e. VAR10####).

### Section I. Operator/Permittee Information.

**A. Construction Activity Operator (Permittee).** The person or entity that is applying for permit coverage and will have operational control over construction activities to ensure compliance with the general permit. For companies, use the complete, active, legal entity name as registered with a state corporation commission. Entities that are considered operators commonly consist of the property owner, developer of a project (the party with control of project plans and specifications), or general contractor (the party with day-to-day operational control of the activities at the project site that are necessary to ensure compliance with the general permit). If an individual person is named as the operator, that person (or a representative of) must sign the certification in Section VI. An operator can be one of the following:

9VAC25-870-10. Definitions.

*"Operator" means the owner or operator of any facility or activity subject to the Act and this chapter. In the context of stormwater associated with a large or small construction activity, operator means any person associated with a construction project that meets either of the following two criteria: (i) the person has direct operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications or (ii) the person has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a stormwater pollution prevention plan for the site or other state permit or VSMP authority permit conditions (i.e., they are authorized to direct workers at a site to carry out activities required by the stormwater pollution prevention plan or comply with other permit conditions). In the context of stormwater discharges from Municipal Separate Storm Sewer Systems (MS4s), operator means the operator of the regulated MS4 system.*

*"Owner" means the Commonwealth or any of its political subdivisions including, but not limited to, sanitation district commissions and authorities, and any public or private institution, corporation, association, firm or company organized or existing under the laws of this or any other state or country, or any officer or agency of the United States, or any person or group of persons acting individually or as a group that owns, operates, charters, rents, or otherwise exercises control over or is responsible for any actual or potential discharge of sewage, industrial wastes, or other wastes or pollutants to state waters, or any facility or operation that has the capability to alter the physical, chemical, or biological properties of state waters in contravention of § 62.1-44.5 of the Code of Virginia, the Act and this chapter.*

*"Person" means any individual, corporation, partnership, association, state, municipality, commission, or political subdivision of a state, governmental body, including a federal, state, or local entity as applicable, any interstate body or any other legal entity.*

**B. Billing information.** If the person or entity responsible for billing/invoicing is different from the operator, please complete this section. If they are the same, leave this section blank.

**C. May we transmit correspondence electronically?** If you choose **YES** to this question and provide an email address in Section I. A., all correspondence, forms, invoices and notifications will be transmitted by email to the operator. This will also allow the operator to pay by credit card and receive permit coverage approval letters immediately upon approval.

### Section II. Construction Activity Location Information. Location information related to the project site.

**A.** A site map indicating the location of the existing or proposed land-disturbing activities, the limits of land disturbance, construction entrances and all water bodies receiving stormwater discharges from the site must be included with the submittal of this form. Aerial imagery maps or topographic maps showing the required items are acceptable. Plan sheet sized site maps are not required. Please consult your Virginia Stormwater Management Program (VSMP) authority if you have additional questions regarding site map requirements.

**B.** Provide a descriptive project name (it is helpful to use the same naming convention as listed on the Stormwater plans), 911 street address (if available), city/county of the construction activity, 6-digit latitude and longitude in decimal degrees format for the centroid, main construction entrance or start and end points for linear projects (i.e. 37.1234N/-77.1234W).

**C. Construction Activity Entrance Location.** Provide an address or decimal degrees coordinates and a description of the main construction entrance where the permit coverage letter will be posted.



**CONSTRUCTION GENERAL PERMIT (VAR10) REGISTRATION STATEMENT 2019 INSTRUCTIONS**  
**PLEASE DO NOT PRINT OR SUBMIT**

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**Section III. Offsite Support Activity Location Information.**

This general permit also authorizes stormwater discharges from support activities (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) located on-site or off-site provided that (i) the support activity is directly related to a construction activity that is required to have general permit coverage; (ii) the support activity is not a commercial operation, nor does it serve multiple unrelated construction activities by different operators; (iii) the support activity does not operate beyond the completion of the construction activity it supports; (iv) the support activity is identified in the Registration Statement at the time of general permit coverage; (v) appropriate control measures are identified in a SWPPP and implemented to address the discharges from the support activity areas; and (vi) all applicable state, federal, and local approvals are obtained for the support activity.

If requesting permit coverage for offsite activities, please complete this section. List additional offsite areas to be included under this permit coverage on a separate page. Offsite areas not included on this registration will need to obtain coverage under a separate VPDES permit.

**A.** Offsite activity location information. Provide a descriptive offsite project name, 911 street address (if available) and city/county of all off-site support activities. Provide the 6-digit latitude and longitude in decimal degrees (i.e. 37.1234N,-77.1234W). Please note that off-site activities not covered under this permit may require separate permit coverage.

**B.** Offsite activity entrance location. Provide an address or decimal degrees coordinates and a description of the main construction entrance.

**Section IV. Site Information.**

**A.** Acreage totals for all land-disturbing activities, on- and off-site, to be included under this permit. Acreages are to be reported to the nearest one-hundredth acre (two decimal places; i.e. 1.15 acres). Provide the total acreage of the primary development site as approved on the Stormwater Management Plans and the primary on-site estimated acreage to be disturbed by the construction activity as approved under the Erosion and Sediment Control Plans. The off-site estimated area to be disturbed is the sum of the disturbed acreages for all off-site support activities to be covered under this general permit. Do not include the off-site acreage totals in the primary, on-site total and estimated disturbed acreage totals. Permit fees are calculated based on your disturbed acreage total for all on- and off-site areas being disturbed under this permit coverage (the sum of all on-site and off-site disturbed acreages).

**B.** Estimated Project Dates. Provide the estimated project start date and completion date in Month/Day/Year or MM/DD/YYYY format (i.e. 07/30/2019).

**C.** Property owner status. The status of the construction activity property owner. Any property not owned by a government entity or agency (i.e. federal, state or local governments) is **PRIVATE**.

**D.** Nature of the construction activity description. Choose the designation that best describes the post-construction use of this project (you may choose more than one). (i.e. Residential, Commercial, Industrial, Agricultural, Environmental, Educational, Oil and Gas, Utility, Transportation, Institutional, etc.). Describe the project (i.e. Commercial – one new office building and associated parking and utilities; Transportation – Roads, sidewalks and utilities; Agricultural – 3 Poultry Houses, etc.).

**E.** Municipal Separate Storm Sewer System (MS4) name(s) if discharging to a MS4. If stormwater is discharged through a MS4 (either partially or completely), provide the name of the MS4(s) that will be receiving water from this construction activity. The MS4 name is typically the town, city, county, institute or federal facility where the construction activity is located.

**F.** This construction activity is part of a common plan of development or sale. "Common plan of development or sale" means a contiguous area where separate and distinct construction activities may be taking place at different times on different schedules per 9VAC25-870-10. Definitions. I.e. a subdivision, commercial development, business park, etc.

**G.** 6<sup>th</sup> Order Hydrologic Unit Code (HUC) and associated Receiving Water Name(s). Provide all 6<sup>th</sup> order HUCs and receiving waters for the site and offsite areas that could potentially receive stormwater runoff discharging from this activity. The HUC can be either a 12-digit number (i.e. 0208010101) or 2-letter, 2-number code (i.e. JL52). Include additional HUCs or receiving waters on a separate page. You may utilize DEQ's web-based GIS application, VEGIS, to obtain this information.

- VEGIS application link: [DEQ's VEGIS Mapping Application](#)
- Instructions for utilizing DEQ's VEGIS application link: [CGP-GIS HUC Instructions](#)

**CONSTRUCTION GENERAL PERMIT (VAR10) REGISTRATION STATEMENT 2019 INSTRUCTIONS**  
**PLEASE DO NOT PRINT OR SUBMIT**

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**Section V. Other Information.**

**A.** A stormwater pollution prevention plan (SWPPP) must be prepared prior to submitting the Registration Statement per 9VAC25-880. See 9VAC25-880-70. Part II. of the General Permit for the SWPPP requirements.

**B.** If the Erosion and Sediment Control Plan for the estimated area to be disturbed listed in Section IV. A. has been submitted to the Virginia Erosion and Sediment Control Program (VESCP) Authority for review and plan approval, choose **YES**. If you are submitting this application to reissue an existing permit coverage, please provide the date that the VESC Authority approved the Erosion and Sediment Control Plan for the estimated area to be disturbed.

**C.** If land disturbance has commenced, choose **YES**. "Land disturbance" or "land-disturbing activity" means a man-made change to the land surface that may result in soil erosion or has the potential to change its runoff characteristics, including construction activity such as the clearing, grading, excavating, or filling of land per §62.1-44.15:24. Definitions.

**D.** If this project is using approved Annual Standards and Specifications (AS&S), attach the completed AS&S Entity Form.

If the AS&S Entity is different from the operator identified in Section I. A., list the AS&S Entity Name. The AS&S entity is the entity or agency that holds the approved annual standards & specification.

- AS&S Entity Form link: [Annual Standards and Specifications Entity Information Form](#)

**Section VI. Certification.**

A properly authorized individual associated with the operator identified in Section I. A. of the Registration Statement is responsible for certifying and signing the Registration Statement. A person must physically sign the certification, a typed signature is unacceptable. State statutes provide for severe penalties for submitting false information on the Registration Statement. State regulations require that the Registration Statement be signed as follows per 9VAC25-880-70 Part III. K. 1.:

*a. For a corporation: by a responsible corporate officer. For the purpose of this part, a responsible corporate officer means:*

- (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or*
- (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.*

*b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.*

*c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this part, a principal executive officer of a public agency includes:*

- (i) The chief executive officer of the agency, or*
- (ii) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.*

**Section VII. Submittal Instructions.**

Submit this form to the VSMP Authority that has jurisdiction for your construction activity. The VSMP Authority may be either DEQ or your locality depending on the location and type of project. If your project is under the jurisdiction of a Local VSMP Authority, please contact the locality for additional submittal instructions. A blank area is provided for the Local VSMP Authority to include their mailing address.

**Who is the VSMP Authority for my project? DEQ or the locality?**

- **DEQ:** DEQ is the VSMP Authority and administers permit coverage for land-disturbing activities that are:

- within a locality that is not a VSMP Authority;
- owned by the State or Federal government; or
- utilizing approved Annual Standards and Specifications.

- **The Locality:** The local government (locality) is the VSMP Authority and administers permit coverage for all other projects not covered by DEQ as listed above. For these projects, please submit permit forms directly to the Local VSMP Authority. A list of Local VSMP Authorities is available on DEQ's website here: [Local VSMP Authority List](#).

**DEQ'S CONSTRUCTION GENERAL PERMIT WEBSITE**

<http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/VSMPPermits/ConstructionGeneralPermit.aspx>

**SECTION 5**

**DELEGATION OF AUTHORITY**

## Delegation of Authority Form

### Delegation of Authority

I, \_\_\_\_\_ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the \_\_\_\_\_ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(name of person or position)  
(company)  
(address)  
(city, state, zip)  
(phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix I of EPA's Construction General Permit (CGP), and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix I.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**Name:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**SECTION 6**

**QUALIFIED PERSONNEL**

## **SECTION 7**

### **SITE MAP**

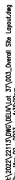










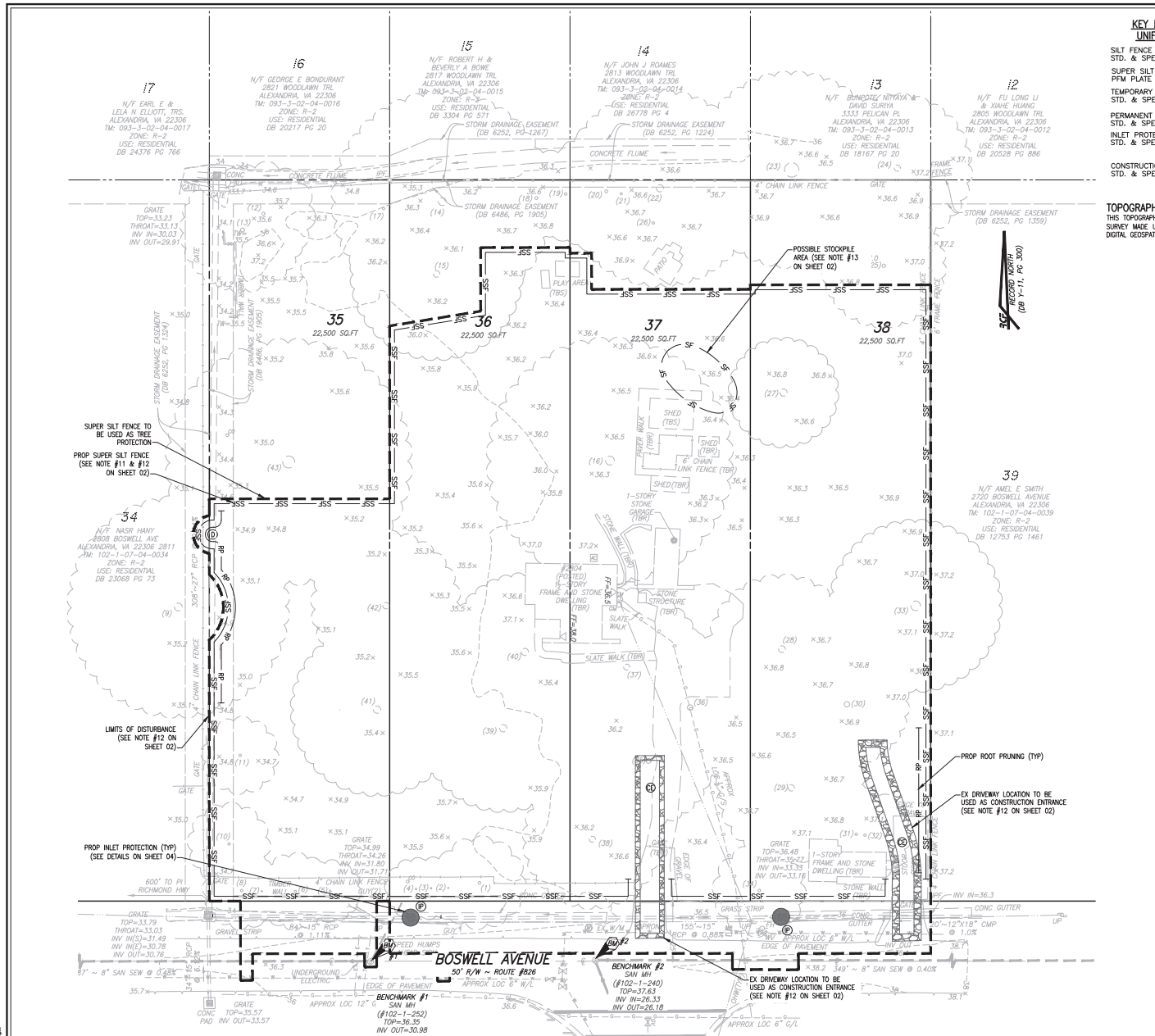


ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY.  
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OVERALL SITE  
LAYOUT AND  
EROSION AND  
SEDIMENT  
CONTROL PLAN  
SHEET 02 OF 14  
FILE: 22-113



ALWAYS VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION. VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.



#### KEY DESCRIPTIONS VIRGINIA UNIFORM CODING SYSTEM

SILT FENCE	— SF —
STD. & SPEC. 3.05	
SUPER SILT FENCE	— SSF —
PFM PLATE 5-11	
TEMPORARY SEEDING	— TS —
STD. & SPEC. 3.31	
PERMANENT SEEDING	— PS —
STD. & SPEC. 3.32	
INLET PROTECTION	— IP —
STD. & SPEC. 3.07-3	
CONSTRUCTION ENTRANCE	— CE —
STD. & SPEC. 3.02	

#### EXISTING TREE TABLE:

1) 1" TREE	16) 44" TREE	31) 12" TREE
2) 6" TREE	17) 12" TREE	32) 12" TREE
3) 8" TREE	18) 15" TREE	33) 48" TREE
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#### TOPOGRAPHY NOTE:

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF WIM DE SUTTER, LS FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION. THE MASTERY AND/OR ORIGINAL DATA WAS OBTAINED ON AUGUST 15, 2022; AND THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

**R.C. FIELDS & ASSOCIATES, INC.**  
ENGINEERING • LAND SURVEYING • PLANNING  
700 S. Washington Street, Suite 220  
Alexandria, Virginia 22314  
(703) 549-6422  
www.rcfields.com



GRADING PLAN  
LOT 17, BACK 4  
**HYBLA VALLEY FARMS**  
(2728 BOSWELL AVENUE)  
(DB Y11, PG 300) OF 300  
MOUNT VERNON DISTRICT  
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: TM  
CHECKED: TD  
SCALE: 1" = 20'  
DATE: NOV 2022

EXISTING  
CONDITIONS  
AND EROSION  
AND SEDIMENT  
CONTROL PLAN  
SHEET 02A OF 14

FILE: 22-113

THIS DRAWING IS A SERVICE DOCUMENT OF R.C. FIELDS & ASSOCIATES, INC. AND MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER AND/OR LAND SURVEYOR.

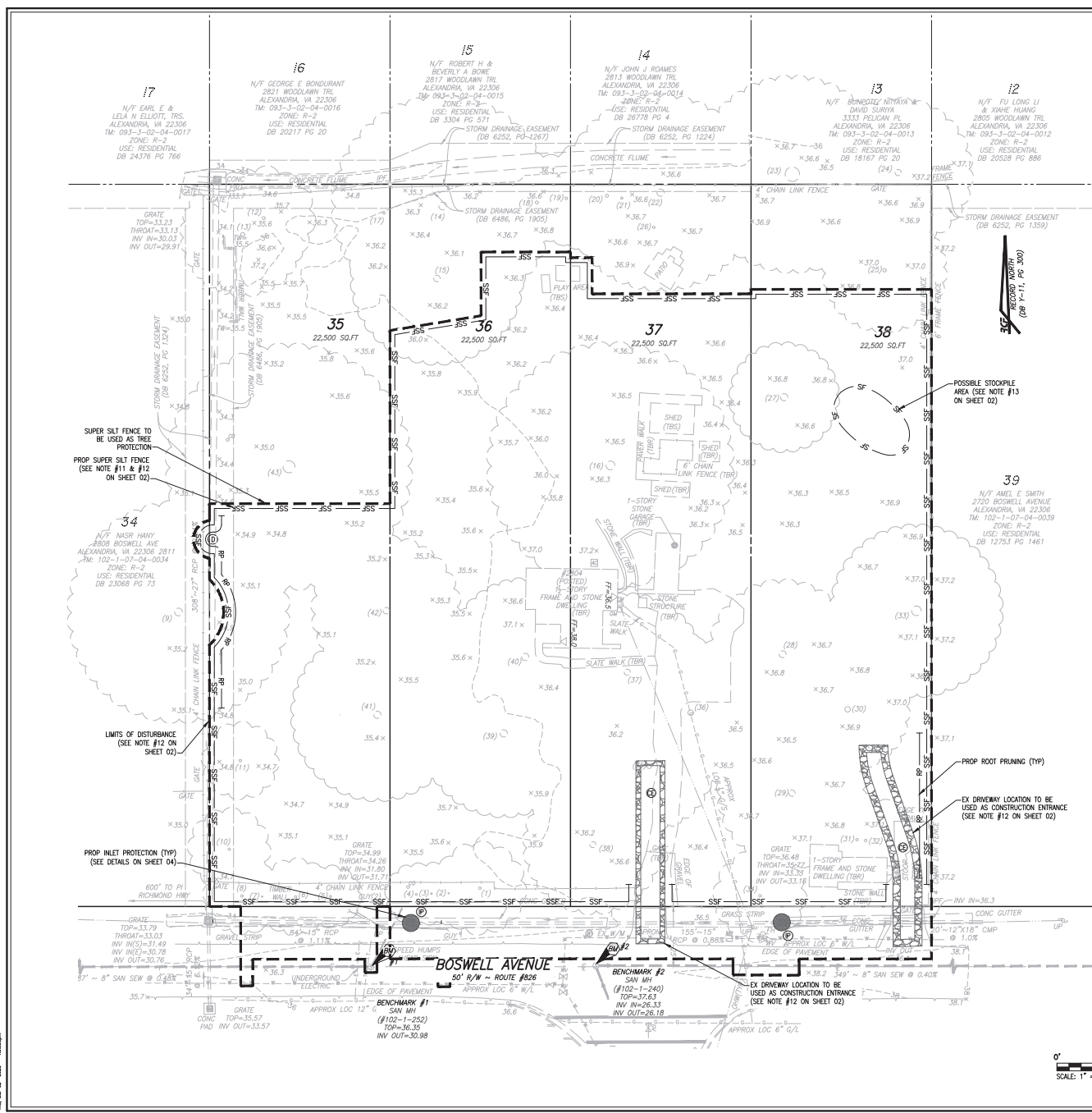
EXISTING UTILITIES SHOWN ON THIS PLAN TAKEN FROM AVAILABLE RECORDS AND/OR FROM FIELD OBSERVATIONS. FOR EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES, NOTIFY "MISS UTILITY" AT 1-800-552-7001, 72 HOURS BEFORE THE START OF ANY EXCAVATION OR CONSTRUCTION.

LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE.

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY.  
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**KEY DESCRIPTIONS VIRGINIA  
UNIFORM CODING SYSTEM**

SILT FENCE	— SF —
SUPER SILT FENCE	— SSF —
PERMANENT SEEDING	— P —
TEMPORARY SEEDING	— T —
INLET PROTECTION	— IP —
CONSTRUCTION ENTRANCE	— CE —

**EXISTING TREE TABLE:**

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700 S. Washington Street, Suite 220  
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(703) 549-6422

**TAYLOR A. BOYLE**  
LS No. 00022  
MARCH 1, 2023  
PROFESSIONAL ENGINEER

**HYBLA VALLEY FARMS**  
(2724 BOSWELL AVENUE)  
(DB Y11, PG 300) (DB Y12, PG 301)  
MOUNT VERNON DISTRICT  
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: TM  
CHECKED: TD  
SCALE: 1" = 20'  
DATE: NOV 2022

**EXISTING CONDITIONS AND EROSION AND SEDIMENT CONTROL PLAN**  
SHEET 02A OF 16  
FILE: 22-113

**SECTION 8**

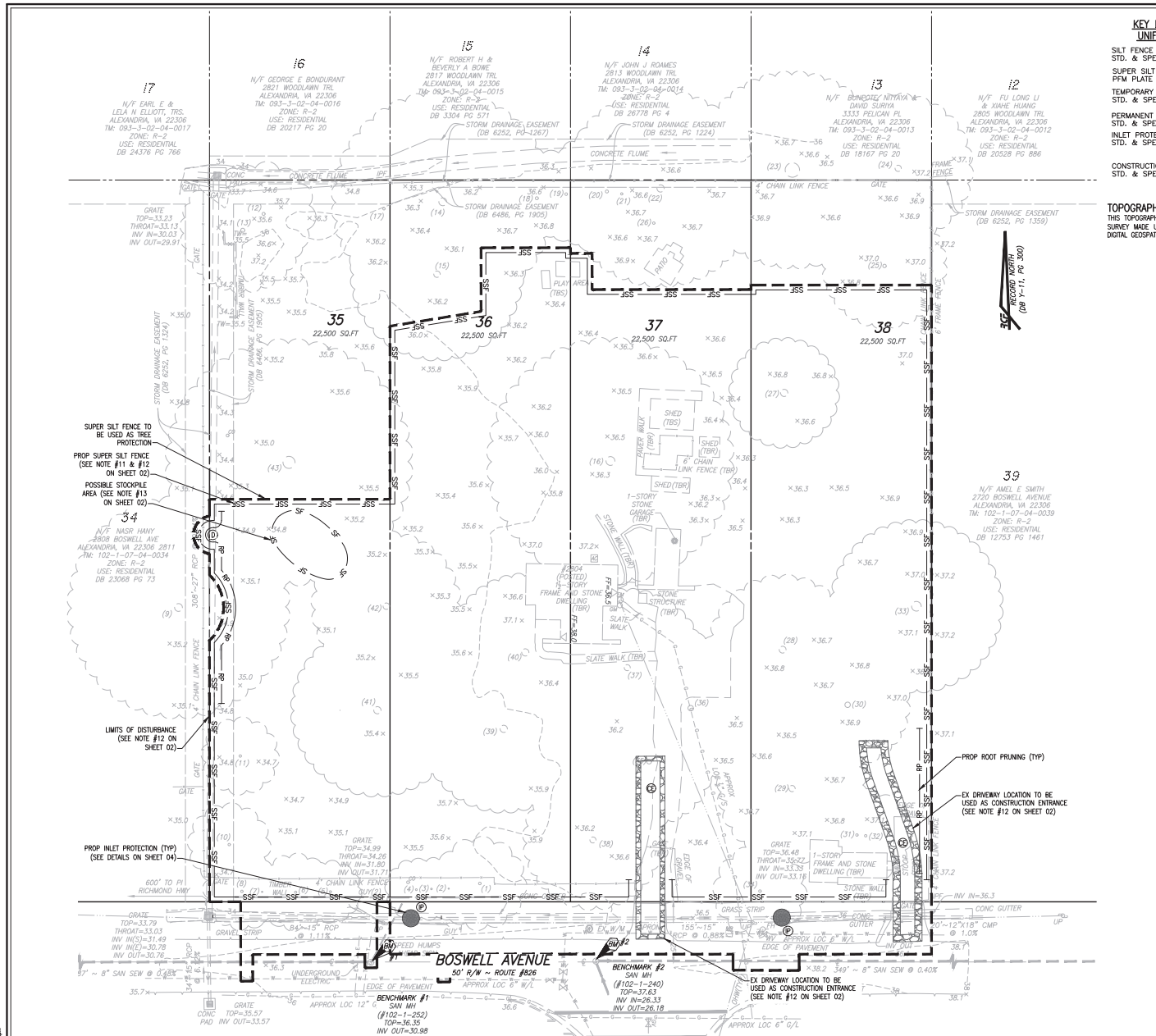
**FAIRFAX COUNTY APPROVED PLANS**





1)	13° TREE	16	44° TREE	31)	12° TREE
6)	6° TREE	17	12° TREE	32)	12° TREE
3)	6° TREE	18	12° TREE	33)	12° TREE
7)	8° TREE	19	13° TREE	34)	15° TREE
5)	10° TREE	20)	15° TREE TWIN	35)	24° TREE
6)	11° TREE	21)	11° TREE	36)	27° TREE
7)	6° TREE	22)	36° TREE	37)	30° TREE
8)	12° TREE	23)	72° TREE TRIPLE	38)	30° TREE
9)	30° TREE	24)	30° TREE	39)	30° TREE
10)	12° TREE	25)	12° TREE	40)	36° TREE
11)	12° TREE	26)	12° TREE TWIN	41)	36° TREE
12)	15° TREE	27)	36° TREE	42)	32° TREE
13)	20° TREE	28)	34° TREE	43)	60° TREE TWIN
14)	30° TREE	29)	36° TREE		
15)	32° TREE	30)	27° TREE		





# KEY DESCRIPTIONS VIRGINIA UNIFORM CODING SYSTEM

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TEMPORARY SEEDING	— TS —
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INLET PROTECTION	— CE —
CONSTRUCTION ENTRANCE	— CE —

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**R.C. FIELDS & ASSOCIATES, INC.**  
ENGINEERING • LAND SURVEYING • PLANNING  
700 S. Washington Street, Suite 220  
Alexandria, Virginia 22314  
(703) 549-6422  
www.rcfields.com



GRADING PLAN  
LOT 35, BLOCK 4  
**HYBLA VALLEY FARMS**  
(2804 BOSWELL AVENUE)  
(DB Y11, PG 300) OF 300  
MOUNT VERNON DISTRICT  
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: TM  
CHECKED: TD  
SCALE: 1" = 20'  
DATE: NOV 2022

EXISTING  
CONDITIONS  
AND EROSION  
AND SEDIMENT  
CONTROL PLAN  
SHEET 02A OF 17

FILE: 22-113

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EXISTING UTILITIES SHOWN ON THIS PLAN TAKEN FROM AVAILABLE RECORDS AND/OR FROM FIELD OBSERVATIONS. FOR EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES, NOTIFY "MISS UTILITY" AT 1-800-552-7001, 72 HOURS BEFORE THE START OF ANY EXCAVATION OR CONSTRUCTION.  
LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE.  
ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY.  
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**GRADING NOTES TO CONTRACTOR:**  
1. SITE WORK CONTRACTOR TO FIELD CHECK FINAL GRADING TO ENSURE THE DEVELOPMENT IS GRADED IN ACCORDANCE WITH THE APPROVED SITE DEVELOPMENT/GRADING PLAN.

- GENERAL LAND CONSERVATION NOTES

- GENERAL EROSION / SEDIMENT CONTROL NOTES (TABLE 6-1)

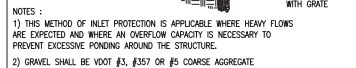
2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

- UNDERGROUND UTILITY NOTES:

1. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
2. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.

- \_\_\_\_\_

[illegible]

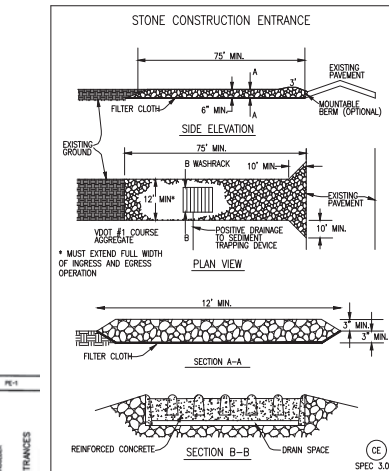
SEEDING SCHEDULE:				
PRACTICE	SPECIES	RATE	APPLICATION DATES	
TEMPORARY SEEDING	ANNUAL RYEGRASS (COLUMBI MULTI-FLORUM)	60-100 lbs./acre	FEB. 16 TO APRIL 30	
TS	GERMAN MILK	50 lbs./acre	MAY 1 TO AUG. 31	
	50/50 MIX OF ANNUAL RYEGRASS AND CEREAL (WINTER) RYE (SECALE CEREALE)	50 lbs./acre	SEPT. 1 TO FEB. 15 (WINTER SEED)	
PERMANENT SEEDING	TALL FESCUE	90-100%	APPLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR TIME OF YEAR APPLICABILITY. UTILIZE TEMPORARY SEEDING UNTIL APPROPRIATE TIME TO APPLY PERMANENT SEEDING.	
PS	PENNSYLVANIA BLUEGRASS	0-5%		
	KENTUCKY RYEGRASS	0-5%		

APPLICABLE. OTHER SEED VARIETIES AND MIXES MAY BE UTILIZED IF THERE IS A PROBLEM WITH PRODUCT AVAILABILITY. CONTACT THE DESIGN ENGINEER AND/OR INSPECTOR FOR THE APPLICABILITY OF OTHER SEED MIXTURES.

\* TO BE DETERMINED BY THE EXISTING CONDITIONS  
AT THE TIME OF CONSTRUCTION



	VIRGINIA DEPARTMENT OF TRANSPORTATION		602.02
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### CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)

- SP2C 3.00

PROJECT DESCRIPTION:  
THIS 22,500 SQUARE FOOT SITE IS LOCATED ON THE NORTH SIDE OF BOSWELL AVENUE IN THE MOUNT VERNON DISTRICT. A 2-STORY DWELLING WITH BASEMENT, WALKWAY, AND DRIVEWAY IS PROPOSED ON THIS LOT. CONSTRUCTION WILL DISTURB APPROXIMATELY 0.37 ACRES IN TOTAL. DISTURBANCE WILL BE KEPT TO THE MINIMUM NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED DWELLINGS AND ASSOCIATED IMPROVEMENTS. THERE IS NO FLOODPLAIN OR RESOURCE PROTECTION AREAS (RPA) ON THIS LOT.

ADJACENT AREAS:  
THE SITE IS BOUNDED ON THE NORTH, EAST AND WEST BY RESIDENTIAL LOTS. TO THE SOUTH IS BOSWELL AVENUE, A 60' RIGHT-OF-WAY.

CRITICAL AREAS:  
THE CRITICAL AREAS FOR THIS SITE INCLUDE DUE TO THE PROXIMITY OF THE CONSTRUCTION TO NEIGHBORING

SOILS FOR THIS SITE HAVE BEEN IDENTIFIED AS GRIST MILL-MATTAPEX COMPLEX (46) AND GUNSTON SILT LOAM (48).

TEMPORARY CONSTRUCTION ENTRANCE:  
A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK SHALL BE INSTALLED AS SHOWN ON THE PLAN. DURING

TREE PROTECTION SHALL BE PROVIDED AS SHOWN ON THE PLAN TO ENSURE THE SURVIVAL OF DESIRABLE TREES

PERMANENT STABILIZATION:  
AFTER GRADING AND CONSTRUCTION OF IMPROVEMENTS, ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED BY

**DUST CONTROL:**  
DUST CONTROL IS TO BE IMPLEMENTED ON-SITE TO PREVENT SURFACE AND AIR MOVEMENT FROM EXPOSED SOIL

ADDITIONAL NOTES:  
ANY DISTURBED AREA NOT COVERED BY SECTION 11-0406.1 AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER

EROSION/SEDIMENT CONTROL GENERAL NOTES

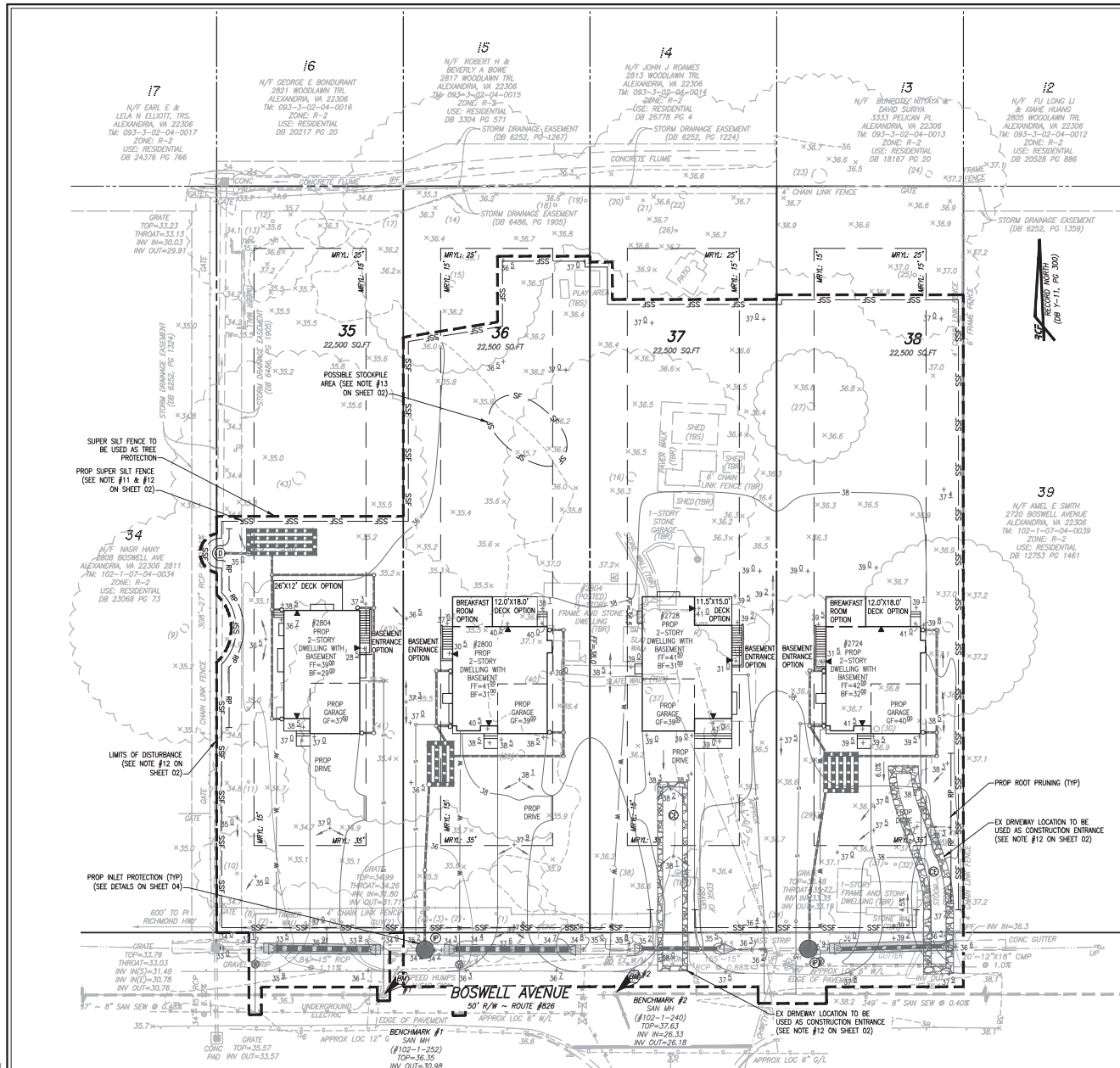
1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA, THE COUNTY E&S CONTROL ORDINANCE (CHAPTER 104-1-8), THE PUBLIC FACILITIES

- GEOTECHNICAL NOTE:

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LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE.

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### GENERAL NOTES:

- TAX MAPS:
  - #102-1-07-04-0035 (LOT 35)
  - #102-1-07-04-0036 (LOT 36)
  - #102-1-07-04-0037 (LOT 37)
  - #102-1-07-04-0038 (LOT 38)
- ZONE: R-2
- OWNER: TERRY L & LINDA C JEMSON  
2804 BOSWELL AVE.  
ALEXANDRIA, VA 22306  
D.B. 27081 PG. 877
- CONTACT: LOUIS GENIARO  
LOUIS@GENIAROCOMPANIES.COM  
(703)360-3134
- TOPOGRAPHIC SURVEY FIELD RUN BY THIS FIRM. VERTICAL DATUM = NAVD 83 PER FIELD GPS DATA REFERENCED TO THE RTK NETWORK OF LEICA SMARTNET.
- A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
- PLAT SUBJECT TO RESTRICTIONS OF RECORD.
- TOTAL SITE AREA = 90,000 SF OR 2.0661 ACRES
- THESE LOTS ARE NOT IN A BONDED SUBDIVISION.
- THIS SITE IS LOCATED IN THE LITTLE HUNTING CREEK WATERSHED.
- THE PROPOSED CONSTRUCTION ENTRANCES ARE TO BE IN THE LOCATION OF THE EXISTING DRIVEWAYS. A FULL LENGTH CONSTRUCTION ENTRANCE IS TO BE INSTALLED, CONSULT THE SITE INSPECTOR FOR ANY CONCERNS. A WASH RACK MAY NOT BE REQUIRED, CONSULT INSPECTOR. ALL VEHICLES ARE TO BE CLEARED PRIOR TO ENTERING THE RIGHT-OF-WAY. CONTRACTOR TO PROVIDE THE WATER SOURCE FOR VEHICLE CLEANING.
- SUPER SILT FENCE REQUIRED ONLY WHERE SILT FENCE IS NOT ADEQUATE PROTECTION. SEE THE TREE PRESERVATION PLAN SHOWN ON SHEET 11. CONSULT INSPECTOR.
- FOR CLARITY PURPOSES, SUPER SILT FENCE AND LIMITS OF DISTURBANCE ARE SHOWN SEPARATELY ON THIS PLAN. IN THE FIELD, SUPER SILT FENCE WILL BE PLACED ALONG THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN AND ONLY LOCATED ON OR WITHIN THE PROPERTY LINES OF THE SUBJECT PROPERTY OR WITHIN THE RIGHT-OF-WAY.
- ANY EXCAVATED MATERIAL STOCKPILED ON SITE SHALL REMAIN WITHIN THE LIMITS OF DISTURBANCE. EAS CONTROL MEASURES SHALL BE PROVIDED AROUND THE STOCKPILE AREA IF DEEMED NECESSARY BY THE FAIRFAX COUNTY SITE INSPECTOR. THE GRADING/EXCAVATION CONTRACTOR FOR THE SUBJECT SITE IS REQUIRED TO NOTIFY, IN WRITING, THE ASSIGNED SITE INSPECTOR REGARDING ANY EXCESS MATERIAL PROPOSED TO BE HAULLED OFFSITE PRIOR TO HAULING. THE NOTIFICATION MUST INDICATE THE QUANTITY OF MATERIAL TO BE MOVED OFFSITE, IDENTIFICATION OF THE RECEIVING SITE WHERE THE EXCESS WILL BE TAKEN, AND ALL INFORMATION NECESSARY TO SHOW THAT SUCH RECEIVING SITE HAS BEEN PROPERLY PERMITTED AND HAS EAS CONTROLS INSTALLED.
- VOOT PERMIT IS REQUIRED FOR LAND DISTURBING ACTIVITY IN VOOT-R/W.
- NO CONSTRUCTION WILL TAKE PLACE IN A PROBLEM SOIL AREA WITHOUT AN APPROVED SOILS REPORT. SEE FULL SOILS REPORT SR-2022-00013 FOR ADDITIONAL INFORMATION.
- ALL CONSTRUCTION INVOLVING PROBLEM SOILS MUST BE PERFORMED UNDER THE FULL-TIME INSPECTION OF THE GEOTECHNICAL ENGINEER.
- THE GEOTECHNICAL ENGINEER SHALL FURNISH A WRITTEN OPINION AS TO WHETHER OR NOT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPROVED PLAN PRIOR TO THE ISSUANCE OF ANY OCCUPANCY OR USE PERMIT.
- REVIEW AND APPROVAL OF PLANS, SPECIFICATIONS, AND REPORTS BY THE COUNTY, WITH OR WITHOUT RECOMMENDATIONS BY THE GEOTECHNICAL REVIEW BOARD, SHALL IN NO WAY RELIEVE THE DEVELOPER OF THE RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, AND PERFORMANCE OF THE STRUCTURES, PAVEMENT, AND SLOPES ON THE PROJECT AND DAMAGE TO SURROUNDING PROPERTIES.

### TOPOGRAPHY NOTE:

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### TREE PRESERVATION CERTIFICATION:

ALL TREES WITHIN 25 FEET OF THE UNDISTURBED AREA BEHIND THE LIMITS OF CLEARING AND GRADING HAVE BEEN SHOWN AND ADDRESSED IN THE TREE PRESERVATION PLAN ON SHEETS 10-15.

### PERIMETER SILT FENCE NOTE:

MAXIMUM ALLOWABLE DRAINAGE AREA BEHIND SILT FENCE IS 0.25 ACRES PER 100 LF OF FENCE.  
DRAINAGE AREA TO SILT FENCE = 0.45 ACRES  
LINEAR FEET OF PERIMETER SILT FENCE = 400 FEET  
MAXIMUM ALLOWABLE AREA FOR 600 FT. OF SILT FENCE = (600/100) X 0.25 = 1.5 ACRES  
ACTUAL DRAIN AREA OF 0.45 ACRES IS LESS THAN 1.5 ACRES ALLOWABLE.  
SILT FENCE IS ADEQUATE FOR THIS APPLICATION; HOWEVER, SUPER SILT FENCE IS TO BE USED AS TREE PROTECTION IN ENVIRONMENTALLY SENSITIVE AREAS.

### CONSTRUCTION TIMING NOTE:

IT IS THE INTENTION OF THE DEVELOPER TO CONSTRUCT THE PROPOSED DWELLINGS ON LOTS 35 TO 38 CONCURRENTLY TO THE OVERALL GRADING AND SITE CONDITIONS TOGETHER. THE REMAINING GRADING PLANS FOR LOTS 35, 37, AND 38 HAVE BEEN SUBMITTED CONCURRENTLY WITH THIS PLAN.

### KEY DESCRIPTIONS VIRGINIA UNIFORM CODING SYSTEM

SILT FENCE	SF
STD. & SPEC. 3.05	
SUPER SILT FENCE	SSF
PPM PLATE 5-11	
TEMPORARY SEEDING	TS
STD. & SPEC. 3.31	
PERMANENT SEEDING	PS
STD. & SPEC. 3.32	
INLET PROTECTION	CE
STD. & SPEC. 3.07-3	
CONSTRUCTION ENTRANCE	
STD. & SPEC. 3.02	

### EXISTING TREE TABLE:

1) 13" TREE	16) 44" TREE	31) 12" TREE
2) 6" TREE	17) 12" TREE	32) 12" TREE
3) 8" TREE	18) 15" TREE	33) 48" TREE
4) 9" TREE	19) 13" TREE	34) 13" TREE
5) 10" TREE	20) 15" TREE TWIN	35) 24" TREE
6) 11" TREE	21) 11" TREE	36) 27" TREE
7) 6" TREE	22) 36" TREE	37) 30" TREE
8) 12" TREE	23) 72" TREE TRIPLE	38) 30" TREE
9) 30" TREE	24) 31" TREE	39) 36" TREE
10) 12" TREE	25) 17" TREE	40) 36" TREE
11) 12" TREE	26) 12" TREE TWIN	41) 36" TREE
12) 15" TREE	27) 36" TREE	42) 12" TREE
13) 20" TREE	28) 34" TREE	43) 60" TREE TWIN
14) 39" TREE	29) 31" TREE	
15) 32" TREE	30) 27" TREE	

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LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE.

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY. © 2023 R.C. FIELDS & ASSOCIATES, INC.

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GRADING PLAN  
LOT 36, BACK-TO-  
HYBLA VALLEY FARMS  
(2800 BOSWELL AVENUE)  
(DB Y11, PG. 300)  
MOUNT VERNON DISTRICT  
FAIRFAX COUNTY, VIRGINIA

DATE REVISION

DESIGN: TM  
CHECKED: TD  
SCALE: 1" = 20'  
DATE: NOV 2022

OVERALL SITE LAYOUT AND EROSION AND SEDIMENT CONTROL PLAN  
SHEET 02 OF 17  
FILE: 22-113









# GRADING NOTES TO CONTRACTOR:

1. SITE WORK CONTRACTOR TO FIELD CHECK FINAL GRADING TO ENSURE THE DEVELOPMENT IS GRADED IN ACCORDANCE WITH THE APPROVED SITE DEVELOPMENT/GRADING PLAN.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS ALL SURFACES TO PRECLUDE THE PONDING OF WATER EITHER IN YARDS OR ON PAVED SURFACES. THIS DOES NOT APPLY TO PONDING ASSOCIATED WITH STORMWATER MANAGEMENT FACILITIES.
3. A SMOOTH GRADE SHALL BE MAINTAINED ACROSS ALL PAVED SURFACES TO PRECLUDE THE FORMING OF FALSE GUTTERS AND / OR THE PONDING OF ANY WATER IN THE ROADWAY. FINISHED PAVING SURFACES SHALL BE FLUSH WITH ADJUTING SURFACES AT THE SAME ELEVATION (i.e. GUTTERS, SIDEWALKS, APRONS, ETC.).
4. THE SUB-BASE OF ALL PARKING AREAS AND TRAVEL LANES ON SITE SHALL BE PROOF ROLLED PRIOR TO THE PLACEMENT OF ANY PAVING MATERIALS TO IDENTIFY ANY AREAS OF INADEQUATE OR STRUCTURALLY UNSATISFACTORY MATERIAL THAT MUST BE UNDERCUT.
5. ANY PROPOSED STRUCTURAL FILL MATERIALS MUST HAVE APPROVAL OF THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT AND COMPACTION. FILL MATERIALS SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS SPECIFICATIONS AND UNDER HIS/HER GUIDANCE.

## GENERAL LAND CONSERVATION NOTES

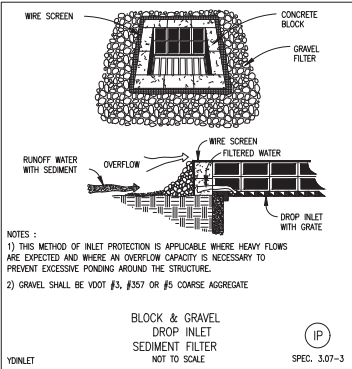
1. NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENuded FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR.
2. ALL E & S CONTROL MEASURES APPROVED WITH THE PHASE ONE & SEDIMENT CONTROL PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING.
3. ALL STORM AND SANITARY SEWER LINES NOT IN STREETS SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET SHALL BE OPEN AT ANY ONE TIME.
4. ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL.
5. ALL TEMPORARY EARTH BERM, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER IMMEDIATELY (AS SOON AS POSSIBLE BUT NO LATER THAN 48 HOURS) AFTER COMPLETION OF GRADING. STRAW OR HAY MULCH IS REQUIRED. ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER GRADING.
6. DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS, MAINTAINED AND MODIFIED DURING CONSTRUCTION PROGRESS AS REQUIRED.
7. ANY DISTURBED AREA NOT COVERED BY 11-0406.1 AND NOT PAVED, SOODED OR BUILT UPON BY NOV. 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED BY APRIL 15.
8. AT THE COMPLETION OF PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENuded AREA SHALL BE STABILIZED.

## GENERAL EROSION / SEDIMENT CONTROL NOTES (TABLE 6-1)

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
7. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
8. DURING DRAINING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

## UNDERGROUND UTILITY NOTES:

1. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
2. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPRILL SIDE OF TRENCHES.
3. EFFLUENT FROM DRAINING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE (E.G. SILT FENCE), OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
4. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
5. REESTABLISHMENT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
6. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.



## FAIRFAX COUNTY PRIORITY RATING FORM FOR EROSION & SEDIMENT CONTROL

PROJECT NAME: LOT 35, BLOCK 4, HYBLA VALLEY FARMS PROJECT NUMBER: TAX MAP: 102-1-07-04-0036 EVALUATOR: RC FIELDS AND ASSOC, INC. DATE: NOV. 2022

**A. Percentage of Denuded Area to Total Site Area**

Rating	Percentage
5	> 60%
3	> 30 to 60%
1	> 10 to 30%

If the denuded area is greater than 10 acres, the project is initially rated a high priority.

**B. Watersource Crossing**

Rating	Yes/No
0	Yes
5	No

\*If yes, project is initially rated a high priority.

**C. Distance of Denuded Area to Downstream Adjacent Property**

Rating	Distance
5	< 50-foot
3	50 to 150-foot
0	> 150-foot

**D. Distance of Any Portion of the Denuded Area to a Natural Watersource**

Rating	Distance
5	< 50-foot
3	50 to 150-foot
0	> 150-foot

**E. "Minimum Vegetative Buffer (Trees, Shrubs, Grasses and other Plants)"**

Rating	Yes/No
0	Yes
3	No

\*Vegetation in Resource Protection Areas are not to be included in vegetative buffers for this application.

**F. Distance Between the Site Outfall and any Downstream Wet Pond, Wetland, Parkland or other Land Denuded Environmentally Sensitive by the Director**

Rating	Distance
5	< 2,500-foot
3	2,500 to 5,000-foot
0	> 5,000-foot

**G. Critical Slopes Within 50-foot of Adjacent Property**

Rating	Yes/No
5	Are there any slopes of 9 to 17% greater than or equal to 100-foot in length; or
3	Are there any slopes of 17 to 17% greater than or equal to 150-foot in length; or
0	Are there any slopes greater than 17% and greater than or equal to 75-foot in length

If Yes to any of the above

**H. Soil Erodibility (Based on Physiographic Setting)**

Rating	Soil Erodibility
5	Triassic Basins
3	Piedmont Upland
0	Coastal Plains

**TOTAL OVERALL RATING: 16**

**OVERALL RATING**

Rating	Overall Rating
5	> 22
3	> 14 and < or = 22
0	< or = 14

**PROJECT PRIORITY LEVEL: MEDIUM**

**PRIORITY (Mark with an "X")**

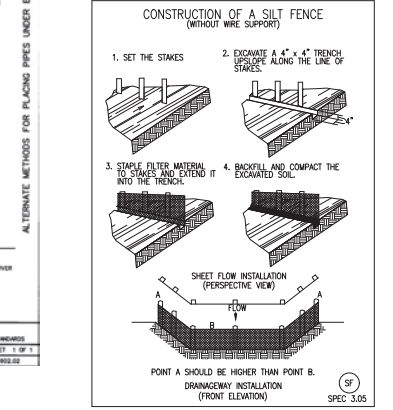
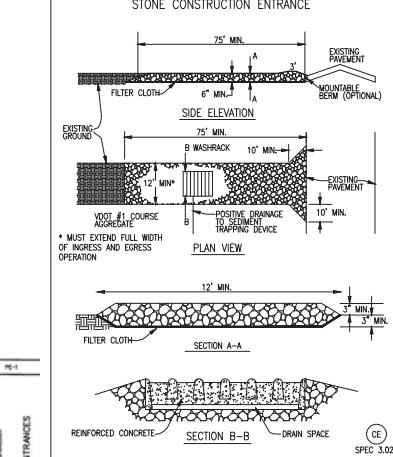
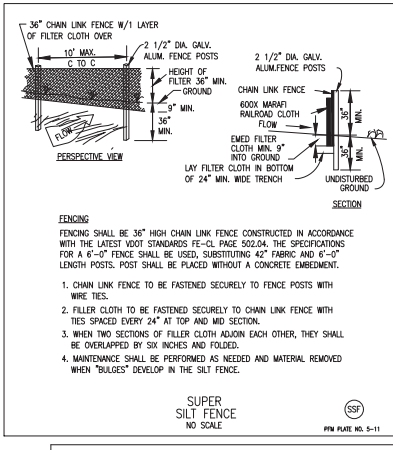
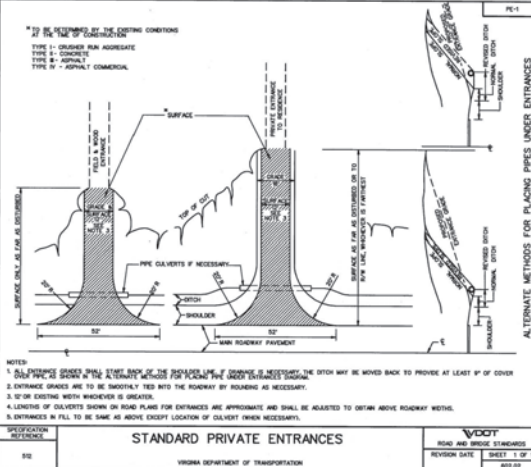
Priority	High	Medium	Low
		X	

APPROVED BY: DATE: Plan Reviewer

## SEEDING SCHEDULE:

PRACTICE	SPECIES	RATE	APPLICATION DATES
TEMPORARY SEEDING	ANNUAL RYEGRASS (LOULIM MULTI-FLOUREM)	60-100 lbs./acre	FEB. 16 TO APRIL 30
	GERMAN MILLET	50 lbs./acre	MAY 1 TO AUG. 31
	50/50 MIX OF ANNUAL RYEGRASS AND CEREAL (WINTER) RYE (SEEDS CEREALS)	50-100 lbs./acre	SEPT. 1 TO FEB. 15 (WINTER SEED)
PERMANENT SEEDING	TALL FESCUE	90-100 lb./acre	APPLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR TIME OF YEAR APPLICABILITY. UTILIZE TEMPORARY SEEDING UNTIL APPROPRIATE TIME TO APPLY PERMANENT SEEDING.
	KENTUCKY BLUEGRASS	0-5% (6.1 - 44 lb. per 1,000 sq. ft.)	
	PERENNIAL RYEGRASS	0-5%	

NOTE: REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR OTHER SEED VARIETIES THAT MAY BE APPLICABLE. OTHER SEED VARIETIES AND MIXES MAY BE UTILIZED IF THERE IS A PROBLEM WITH PRODUCT AVAILABILITY. CONTACT THE DESIGN ENGINEER AND/OR INSPECTOR FOR THE APPLICABILITY OF OTHER SEED MIXTURES.



## EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION: THIS 22,500 SQUARE FOOT SITE IS LOCATED ON THE NORTH SIDE OF BOSWELL AVENUE IN THE MOUNT VERNON DISTRICT. A 2-STORY DWELLING WITH BASEMENT, WALKWAY, AND DRIVEWAY IS PROPOSED ON THIS LOT. CONSTRUCTION WILL DISTURB APPROXIMATELY 0.48 ACRES IN TOTAL DISTURBANCE WILL BE KEPT TO THE MINIMUM NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED DWELLINGS AND ASSOCIATED IMPROVEMENTS. THERE IS NO FLOODPLAIN OR RESOURCE PROTECTION AREAS (RPA) ON THIS LOT.

EXISTING CONDITIONS: THIS SITE IS CURRENTLY OCCUPIED BY A PORTION OF AN EXISTING DWELLING AND IMPROVEMENTS. THE SITE DRAINAGE IS BY OVERLAND FLOW FOLLOWING NATURAL DRAINAGE DIVIDES. THE SLOPE ON SITE RANGES FROM ABOUT 2.0% - 5.0%.

ADJACENT AREAS: THE SITE IS BOUNDED ON THE NORTH, EAST AND WEST BY RESIDENTIAL LOTS. TO THE SOUTH IS BOSWELL AVENUE, A 50' RIGHT-OF-WAY.

OFF-SITE AREAS: THE ONLY OFF-SITE DISTURBANCE TO OCCUR IS WITHIN THE RIGHT-OF-WAY FOR THE INSTALLATION OF THE PROPOSED DRIVEWAY APRONS, GRADINGS, AND UTILITY CONNECTIONS.

CRITICAL AREAS: THE CRITICAL AREAS FOR THIS SITE INCLUDE, DUE TO THE PROXIMITY OF THE CONSTRUCTION TO NEIGHBORING PROPERTIES AND DWELLINGS, THE LIMITS OF CLEARING AND GRADING ALONG ADJACENT PROPERTIES, AND THE AREA NEAR TREES MARKED TO BE SAVED. THE LIMITS OF DISTURBANCE SHALL BE CAREFULLY OBSERVED ALONG THE SITE PROPERTY LINES WHERE EROSION AND SEDIMENT CONTROLS ARE TO BE KEPT ON-SITE. SILT FENCE AND SUPER SILT FENCE WILL BE USED TO FILTER RUNOFF AND PREVENT SEDIMENT FROM LEAVING THE SITE AND IMPACTING NEIGHBORING PROPERTIES. TREE PROTECTION FENCING AND/OR IS TO BE USED TO PROTECT TREES MARKED TO BE SAVED TO PREVENT POTENTIAL HARM DURING CONSTRUCTION.

SOILS: SOILS FOR THIS SITE HAVE BEEN IDENTIFIED AS GUNSTON SILT LOAM (48), GUNSTON SILT LOAM (48) HAS A SURFACE K VALUE OF 0.37, IS A PROBLEM CLASS III SOIL, AND IS SOIL HYDROLOGIC GROUP D. SEE THE FULL SOILS REPORT SUBMITTED WITH THIS PLAN (SR-2022-00313) FOR ADDITIONAL INFORMATION.

TEMPORARY CONSTRUCTION ENTRANCE: A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK SHALL BE INSTALLED AS SHOWN ON THE PLAN. DURING MUDDY CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING/EXITING THE SITE BY USE OF THE EXISTING WATER SERVICE AS NECESSARY. WATER TO WASH THESE VEHICLES ON THE PROPOSED WASH RACK WILL BE PROVIDED BY THE WATER SERVICE ON SITE. THE SILT LAIDEN WATER ON SITE IS TO BE USED ON SITE IN ALTERNATE USES OR REMOVED VIA DUMP TRUCK TO PREVENT WATER FROM ESCAPING TO THE RIGHT OF WAY. THE CONSTRUCTION ENTRANCE IS TO BE REMOVED AFTER ALL OTHER CONSTRUCTION IS COMPLETE AND THE PERMANENT DRIVEWAY IS TO BE INSTALLED AFTER THE TEMPORARY CONSTRUCTION ENTRANCE SHALL ADHERE TO THE MINIMUM SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK, SECTION 3.02.

TREE PROTECTION: TREE PROTECTION SHALL BE PROVIDED AS SHOWN ON THE PLAN TO ENSURE THE SURVIVAL OF DESIRABLE TREES WHERE THEY WILL BE EFFECTIVE FOR EROSION AND SEDIMENT CONTROL. SEE THE ARBORIST REPORT ON SHEETS 10-13.

SUPER SILT FENCE: SUPER SILT FENCE WILL BE INSTALLED DOWNDROPE OF AREAS WITH STEEP SLOPES TO FILTER SEDIMENT-LADEN SHEET FLOW THAT IS MOVING DOWNDROPE AS INDICATED ON THE PLANS AND BE USED AS TREE PROTECTIONS. THE SUPER SILT FENCE SHALL ADHERE TO THE SPECIFICATIONS SET FORTH ON FAIRFAX COUNTY PLATE 5-11.

PERMANENT STABILIZATION: AFTER GRADING AND CONSTRUCTION OF IMPROVEMENTS, ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED BY VEGETATION (E.G. SOODING, SEEDING). TYPE AND AMOUNT SHALL ADHERE TO THE MINIMUM SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK, SECTION 3.32.

DUST CONTROL: DUST CONTROL IS TO BE IMPLEMENTED ON-SITE TO PREVENT SURFACE AND AIR MOVEMENT FROM EXPOSED SOIL SURFACES. THIS WILL PREVENT HEALTH HAZARDS, TRAFFIC ISSUES, AND/OR HARM TO ANIMAL AND PLANT LIFE. CONTROL MEASURES INCLUDE VEGETATIVE COVER, MULCH, TILLAGE, WIND BARRIERS (MOST USED), AND SPRAY ON ADHESIVES. TYPE AND AMOUNT SHALL ADHERE TO THE MINIMUM SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK, SECTION 3.39.

ADDITIONAL NOTES: ANY DISTURBED AREA NOT COVERED BY SECTION 11-0406.1 AND NOT PAVED, SOODED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED BY APRIL 15.

## EROSION/SEDIMENT CONTROL GENERAL NOTES

1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA. THE COUNTY E&S CONTROL ORDINANCE (CHAPTER 104-1-8), THE PUBLIC UTILITIES MANUAL AND/OR THE CURRENT VIRGINIA E&S CONTROL HANDBOOK.
2. DENuded AREAS ARE TO BE KEPT TO A MINIMUM. NO DISTURBED AREA WILL BE DENuded FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT. TEMPORARY SEEDING AND MULCHING ARE TO BE APPLIED TO ANY AREA WITHIN THE SITE NOT CONTINUOUSLY WORKED FOR 7 DAYS AFTER CLEARING AND ROUGH GRADING.
3. SEQUENCE OF CONSTRUCTION:
  - PHASE I: ALL EROSION/SEDIMENT CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITIES. PHASE 1 CONTROLS INVOLVE INSTALLATION OF SILT FENCE, INLET PROTECTION, TREE PROTECTION, AND SUPER SILT FENCE ALONG THE CLEARING AND GRADING LIMITS. THE CONSTRUCTION ENTRANCE WILL BE INSTALLED AT THIS TIME. ALL VEHICLES LEAVING THE SITE ARE TO UTILIZE THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED PRIOR TO ENTERING THE RIGHT-OF-WAY. SEE DETAIL ON THIS SHEET. ROOT PRUNING IS ALSO TO BE PERFORMED AT THIS TIME. ONCE SITE INSPECTOR DETERMINES THAT ALL E&S CONTROLS ARE INSTALLED PROPERLY, MOVE ON TO PHASE II OF THE PROJECT.
  - PHASE II: SHALL UTILIZE THE EROSION & SEDIMENT CONTROLS INSTALLED DURING PHASE I OF THE PROJECT. ALL EROSION AND SEDIMENT CONTROLS FROM PHASE I OF THE PROJECT SHALL REMAIN IN PLACE THROUGHOUT THE REMAINDER OF THE PROJECT AND SHALL ONLY BE REMOVED UPON APPROVAL BY A FAIRFAX COUNTY SITE INSPECTOR. SITE CAN THEN BE RE-ROUGH GRADED, TEMPORARILY SEEDED AND MULCHED IF THERE ARE ANY UNWORKED AREAS AS NOTED ABOVE. FILL SLOPES ARE TO BE LEFT IN A ROUGHENED CONDITION TO REDUCE SHEAR AND RILL EROSION OF THE SLOPES.
4. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS STABILIZED, MECHANICAL CONTROLS (SUPER SILT FENCE, SILT FENCE & TREE PROTECTION) SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION UPON THE APPROVAL OF THE FAIRFAX COUNTY INSPECTOR.
5. MAINTENANCE PROGRAM: THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (I.E. SEEDED AND MULCHED AND/OR SOODED AREAS) ON A DAILY BASIS, ESPECIALLY AFTER A HEAVY RAINFALL EVENT TO INSURE THAT ALL CONTROLS SHALL BE REPAIRED PRIOR TO THE END OF THE WORK DAY INCLUDING RE-SEEDING AND MULCHING OR RE-SOODED IF NECESSARY. ANY EXCESS BUILDUP OF SEDIMENTS ALONG PERIMETER SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY IF NOT SUITABLE FOR FILL.

GEOTECHNICAL NOTE: THE CONSTRUCTION INVOLVING A PROBLEM SOIL MUST BE PERFORMED UNDER THE FULL TIME INSPECTION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL FURNISH A WRITTEN OPINION TO THE COUNTY AS TO WHETHER OR NOT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPROVED PLAN PRIOR TO THE ISSUANCE OF ANY OCCUPANCY OR USE PERMIT. REVIEW AND APPROVAL OF PLANS, SPECIFICATIONS AND REPORT BY THE COUNTY, WITH OR WITHOUT RECOMMENDATIONS FROM THE GEOTECHNICAL REVIEW BOARD, SHALL IN NO WAY RELIEVE THE DEVELOPER OF THE RESPONSIBILITY FOR THE DESIGN, CONSTRUCTION, AND PERFORMANCE OF THE STRUCTURES, PAVEMENTS, AND SLOPES ON THE PROJECT AND DAMAGE TO THE SURROUNDING PROPERTIES.

THIS DRAWING IS A SERVICE DOCUMENT OF R.C. FIELDS & ASSOCIATES, INC. AND MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER AND/OR LAND SURVEYOR.

EXISTING UTILITIES SHOWN ON THIS PLAN TAKEN FROM AVAILABLE RECORDS AND/OR FROM FIELD OBSERVATIONS. FOR EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES, NOTIFY "MISS UTILITY" AT 1-800-552-7001, 72 HOURS BEFORE THE START OF ANY EXCAVATION OR CONSTRUCTION.

LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY. © 2023 R.C. FIELDS & ASSOCIATES, INC.

**RC FIELDS & ASSOCIATES, INC.**

ENGINEERING • LAND SURVEYING • PLANNING

700 S. Washington Street, Suite 220  
Alexandria, Virginia 22314  
(703) 549-6462  
www.rcfields.com

GRADING PLAN  
LOT 35, BLOCK 4, HYBLA VALLEY FARMS  
(2800 BOSWELL AVENUE)  
(OB Y11, PG. 300)  
MOUNT VERNON DISTRICT  
FAIRFAX COUNTY, VIRGINIA

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_

DESIGN: TM  
CHECKED: TD  
SCALE: NO SCALE  
DATE: NOV 2022

E&S CONTROL NARRATIVE, NOTES, AND DETAILS

SHEET 04 OF 17  
FILE: 22-113























# GRADING NOTES TO CONTRACTOR:

1. SITE WORK CONTRACTOR TO FIELD CHECK FINAL GRADING TO ENSURE THE DEVELOPMENT IS GRADED IN ACCORDANCE WITH THE APPROVED SITE DEVELOPMENT/GRADING PLAN.
2. CONTRACTOR TO REMOVE POSITIVE DRAINAGE ACROSS ALL SURFACES TO PRECLUDE THE PONDING OF WATER EITHER IN YARDS OR ON PAVED SURFACES. THIS DOES NOT APPLY TO PONDING ASSOCIATED WITH STORMWATER MANAGEMENT FACILITIES.
3. A SMOOTH GRADE SHALL BE MAINTAINED ACROSS ALL PAVED SURFACES TO PRECLUDE THE FORMING OF FALSE GUTTERS AND / OR THE PONDING OF ANY WATER IN THE ROADWAY. FINISHED PAVING SURFACES SHALL BE FLUSH WITH ADJUTING SURFACES AT THE SAME ELEVATION (i.e. GUTTERS, SIDEWALKS, APRONS, ETC.).
4. THE SUB-BASE OF ALL PARKING AREAS AND TRAVEL LANES ON SITE SHALL BE PROOF ROLLED PRIOR TO THE PLACEMENT OF ANY PAVING MATERIALS TO IDENTIFY ANY AREAS OF INADEQUATE OR STRUCTURALLY UNSATISFACTORY MATERIAL THAT SHALL BE UNDERCUT.
5. ANY PROPOSED STRUCTURAL FILL MATERIALS MUST HAVE APPROVAL OF THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT AND COMPACTION. FILL MATERIALS SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS SPECIFICATIONS AND UNDER HIS/HER GUIDANCE.

## GENERAL LAND CONSERVATION NOTES

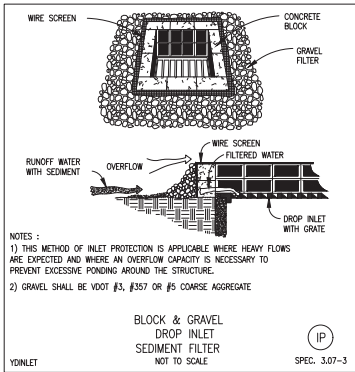
1. NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENuded FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR.
2. ALL E & S CONTROL MEASURES APPROVED WITH THE PHASE ONE & SEDIMENT CONTROL PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING.
3. ALL STORM AND SANITARY SEWER LINES NOT IN STREETS SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET SHALL BE OPEN AT ANY ONE TIME.
4. ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL.
5. ALL TEMPORARY EARTH BERM, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER IMMEDIATELY (AS SOON AS POSSIBLE BUT NO LATER THAN 48 HOURS) AFTER COMPLETION OF GRADING. STRAW OR HAY MULCH IS REQUIRED. ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER GRADING.
6. DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS, MAINTAINED AND MODIFIED DURING CONSTRUCTION PROGRESS AS REQUIRED.
7. ANY DISTURBED AREA NOT COVERED BY 11-0406.1 AND NOT PAVED, SOODED OR BUILT UPON BY NOV. 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED BY APRIL 15.
8. AT THE COMPLETION OF PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENuded AREA SHALL BE STABILIZED.

## GENERAL EROSION / SEDIMENT CONTROL NOTES (TABLE 6-1)

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
7. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
8. DURING DRAINING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

## UNDERGROUND UTILITY NOTES:

1. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
2. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPRILL SIDE OF TRENCHES.
3. EFFLUENT FROM DRAINING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE (E.G. SILT FENCE), OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
4. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
5. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
6. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.



## FAIRFAX COUNTY PRIORITY RATING FORM FOR EROSION & SEDIMENT CONTROL

PROJECT NAME: LOT 38, BLOCK 4, HYBLA VALLEY FARMS PROJECT NUMBER: \_\_\_\_\_  
TAXMAP: 102-1-07-04-0038 EVALUATOR: R.C. FIELDS AND ASSOC., INC. DATE: NOV. 2022

A. Percentage of Denuded Area to Total Site Area		F. Distance Between the Site Outfall and any Downstream, Wet Pond, Wetland, Parkland or other Land Denuded Environmentally Sensitive by the Director	
	Rating		Rating
> 60%	X   5	< 2,500-feet	X   5
31 to 60%	4	2,500 to 5,000-feet	4
10 to 30%	3	> 5,000-feet	0

If the denuded area is greater than 10 acres, the project is initially rated a high priority.

B. Waterscourse Crossing		G. Critical Slopes Within 50-feet of Adjacent Property	
	Rating		Rating
Yes	X   0	Are there any slopes of 9 to 7% greater than or equal to 300-feet in length, or:	5
No	0	Are there any slopes of 7 to 13% greater than or equal to 150-feet in length, or:	4
		Are there any slopes greater than 13% and greater than or equal to 75-feet in length?	X   0

\*If yes, project is initially rated a high priority.

C. Distance of Denuded Area to Downstream Adjacent Property		H. Soil Erodibility (Based on Physiographic Setting)	
	Rating		Rating
< 50-feet	X   5	Triassic Basins	3
50 to 150-feet	3	Piedmont Upland	1
> 150-feet	0	Coastal Plains	X   1

D. Distance of Any Portion of the Denuded Area to a Natural Waterscourse

	Rating
< 50-feet	5
50 to 150-feet	3
> 150-feet	X   0

E. "Minimum Vegetative Buffer (Trees, Shrubs, Grasses and other Plants)"

	Rating
< 50-feet	X   0
50 to 150-feet	3
> 150-feet	0

\*Vegetation in Resource Protection Areas are not to be included in vegetative buffers for this application.

TOTAL OVERALL RATING: 16

OVERALL RATING:   
 If > 22 High   
 If > 14 and < or = 22 Medium   
 If < or = 14 Low

PRIORITY (Mark with an "X")   
 High   
 Medium   
 Low

PROJECT PRIORITY LEVEL: MEDIUM

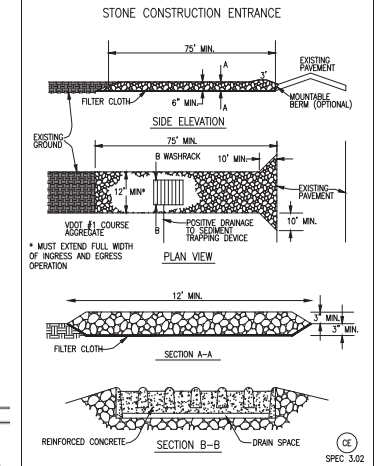
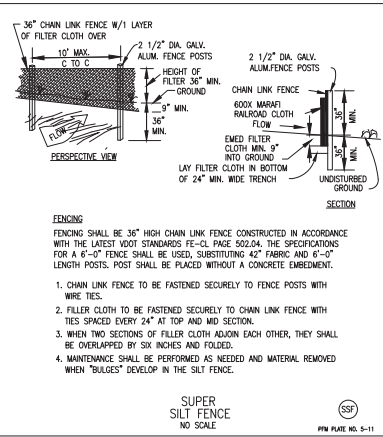
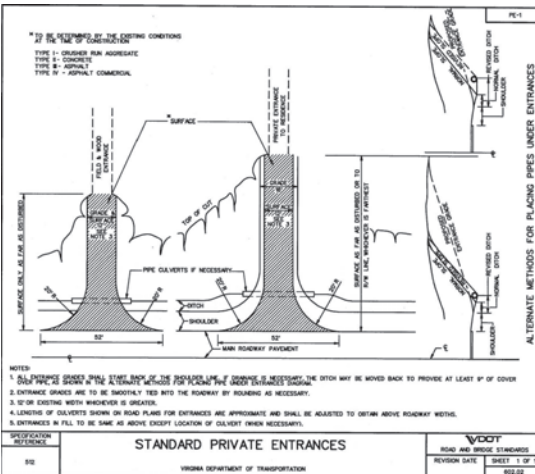
\*Revised for Fairfax County use \*\*

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Plan Reviewer

## SEEDING SCHEDULE:

PRACTICE	SPECIES	RATE	APPLICATION DATES
TEMPORARY SEEDING	ANNUAL RYEGRASS (LOLIUM MULTI-FLOSUM)	60-100 lbs./acre	FEB. 16 TO APRIL 30
	GERMAN MILLET	50 lbs./acre	MAY 1 TO AUG. 31
	50/50 MAX OF ANNUAL RYEGRASS AND CEREAL (WINTER) RYE (SEEDS CEREALS)	50-100 lbs./acre	SEPT. 1 TO FEB. 15 (WINTER SEED)
PERMANENT SEEDING	TALL FESCUE	90-100lb	
	KENTUCKY BLUEGRASS	0-5X	
	PERENNIAL RYEGRASS	0-5X	

NOTE: REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR OTHER SEED VARIETIES THAT MAY BE APPLICABLE. OTHER SEED VARIETIES AND MIXES MAY BE UTILIZED IF THERE IS A PROBLEM WITH PRODUCT AVAILABILITY. CONTACT THE DESIGN ENGINEER AND/OR INSPECTOR FOR THE APPLICABILITY OF OTHER SEED MIXTURES.



## EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION: THIS 22,500 SQUARE FOOT SITE IS LOCATED ON THE NORTH SIDE OF BOSWELL AVENUE IN THE MOUNT VERNON DISTRICT. A 2-STORY DWELLING WITH BASEMENT, GARAGE, AND DRIVEWAY IS PROPOSED ON THIS LOT. CONSTRUCTION WILL DISTURB APPROXIMATELY 0.47 ACRES IN TOTAL DISTURBANCE WILL BE KEPT TO THE MINIMUM NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED STRUCTURE AND ASSOCIATED IMPROVEMENTS. THERE IS NO FLOODPLAIN OR RESOURCE PROTECTION AREAS (RPA) ON THIS LOT.

EXISTING CONDITIONS: THIS SITE IS CURRENTLY OCCUPIED BY AN EXISTING DWELLING AND IMPROVEMENTS. THE SITE DRAINAGE IS BY OVERLAND FLOW FOLLOWING NATURAL DRAINAGE DIVIDES. THE SLOPE ON SITE RANGES FROM ABOUT 2.0% - 5.0%.

ADJACENT AREAS: THE SITE IS BOUNDED ON THE NORTH, EAST AND WEST BY RESIDENTIAL LOTS. TO THE SOUTH IS BOSWELL AVENUE, A 50' RIGHT-OF-WAY.

OFF-SITE AREAS: THE ONLY OFFSITE DISTURBANCE TO OCCUR IS WITHIN THE RIGHT-OF-WAY FOR THE INSTALLATION OF THE PROPOSED DRIVEWAY, GRADING, AND UTILITY CONDUITS WITHIN THE RIGHT OF WAY.

CRITICAL AREAS: THE CRITICAL AREAS FOR THIS SITE INCLUDE, DUE TO THE PROXIMITY OF THE CONSTRUCTION TO NEIGHBORING PROPERTIES AND DWELLINGS, THE LIMITS OF CLEARING AND GRADING ADJACENT PROPERTIES, AND THE AREA NEAR TREES MARKED TO BE SAVED. THE LIMITS OF DISTURBANCE SHALL BE CAREFULLY OBSERVED ALONG THE SITE PROPERTY LINES WHERE EROSION AND SEDIMENT CONTROLS ARE TO BE KEPT ON-SITE. SILT FENCE AND SUPER SILT FENCE WILL BE USED TO FILTER RUNOFF AND PREVENT SEDIMENT FROM LEAVING THE SITE AND IMPACTING NEIGHBORING PROPERTIES. TREE PROTECTION FENCING AND/OR IS TO BE USED TO PROTECT TREES MARKED TO BE SAVED TO PREVENT POTENTIAL HARM DURING CONSTRUCTION.

SOILS: SOILS FOR THIS SITE HAVE BEEN IDENTIFIED AS GUNSTON SILT LOAM (48). GUNSTON SILT LOAM (48) HAS A SURFACE K VALUE OF 0.37, IS A PROBLEM CLASS III SOIL, AND IS SOIL HYDROLOGIC GROUP D. SEE THE FULL SOILS REPORT SUBMITTED WITH THIS PLAN (PXX CO PLAN NO. 22-0001-0001) FOR ADDITIONAL INFORMATION.

TEMPORARY CONSTRUCTION ENTRANCES: A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK SHALL BE INSTALLED AS SHOWN ON THE PLAN. DURING MUDDY CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING/EXISTING THE SITE BY USE OF THE EXISTING WATER SERVICE AS NECESSARY. WATER TO WASH THESE VEHICLES ON THE PROPOSED WASH RACK WILL BE PROVIDED BY THE WATER SERVICE ON SITE. THE SILT LADEN WATER ON SITE IS TO BE USED ON SITE IN ALTERNATE USES OR REMOVED VIA DUMP TRUCK TO PREVENT WATER FROM ESCAPING TO THE RIGHT OF WAY. THE CONSTRUCTION ENTRANCE IS TO BE REMOVED AFTER ALL OTHER CONSTRUCTION IS COMPLETE AND THE PERMANENT DRIVEWAY IS TO BE INSTALLED AFTER THE TEMPORARY CONSTRUCTION ENTRANCE SHALL ADHERE TO THE MINIMUM SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK, SECTION 3.02.

TREE PROTECTION: TREE PROTECTION SHALL BE PROVIDED AS SHOWN ON THE PLAN TO ENSURE THE SURVIVAL OF DESIRABLE TREES WHERE THEY WILL BE EFFECTIVE FOR EROSION AND SEDIMENT CONTROL. SEE THE ARBORIST REPORT ON SHEETS 09-12.

SUPER SILT FENCE: SUPER SILT FENCE WILL BE INSTALLED DOWNSLOPE OF AREAS WITH STEEP SLOPES TO FILTER SEDIMENT-LADEN SHEET FLOW THAT IS MOVING FASTER AS INDICATED ON THE PLANS AND BE USED AS TREE PROTECTIONS. THE SUPER SILT FENCE SHALL ADHERE TO THE SPECIFICATIONS SET FORTH ON FAIRFAX COUNTY PLATE 5-11.

PERMANENT STABILIZATION: AFTER GRADING AND CONSTRUCTION OF IMPROVEMENTS, ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED BY VEGETATION (E.G. SOODING, SEEDING). TYPE AND AMOUNT SHALL ADHERE TO THE MINIMUM SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK, SECTION 3.32.

DUST CONTROL: DUST CONTROL IS TO BE IMPLEMENTED ONSITE TO PREVENT SURFACE AND AIR MOVEMENT FROM EXPOSED SOIL SURFACES. THIS WILL PREVENT HEALTH HAZARDS, TRAFFIC ISSUES, AND/OR HARM TO ANIMAL AND PLANT LIFE. CONTROL MEASURES INCLUDE VEGETATION (GRASS, MULCH, TALLAGE, IRIGATION MOST USED), AND SPRAY ON ADHERES TYPE AND AMOUNT SHALL ADHERE TO THE MINIMUM SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK, SECTION 3.39.

ADDITIONAL NOTES: ANY DISTURBED AREA NOT COVERED BY SECTION 11-0406.1 AND NOT PAVED, SOODED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE AND OVER-SEEDED BY APRIL 15.

## EROSION/SEDIMENT CONTROL GENERAL NOTES

1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA. THE COUNTY EAS CONTROL ORDINANCE (CHAPTER 104-1-8), THE PUBLIC UTILITIES MANUAL AND/OR THE CURRENT VIRGINIA EAS CONTROL HANDBOOK.
2. DENuded AREAS ARE TO BE KEPT TO A MINIMUM. NO DISTURBED AREA WILL BE DENuded FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT. TEMPORARY SEEDING AND MULCHING ARE TO BE APPLIED TO ANY AREA WITHIN THE SITE NOT CONTINUOUSLY WORKED FOR 7 DAYS AFTER CLEARING AND ROUGH GRADING.
3. SEQUENCE OF CONSTRUCTION: PHASE I ALL EROSION/SEDIMENT CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITIES. PHASE I CONTROLS INVOLVE INSTALLATION OF INLET PROTECTION, SILT FENCE, TREE PROTECTION, AND SUPER SILT FENCE ALONG THE CLEARING AND GRADING LIMITS. THE CONSTRUCTION ENTRANCE WILL BE INSTALLED AT THIS TIME. ALL VEHICLES LEAVING THE SITE ARE TO UTILIZE THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED PRIOR TO ENTERING THE RIGHT-OF-WAY. SEE DETAIL ON THIS SHEET. ROOT PRUNING IS ALSO TO BE PERFORMED AT THIS TIME. ONCE SITE INSPECTOR DEEMS THAT ALL EAS CONTROLS ARE INSTALLED PROPERLY, MOVE ON TO PHASE II OF THE PROJECT. PHASE II SHALL UTILIZE THE EROSION & SEDIMENT CONTROLS INSTALLED DURING PHASE I OF THE PROJECT. ALL EROSION AND SEDIMENT CONTROLS CONFORM TO THE SPECIFICATIONS SET FORTH IN THE VIRGINIA EROSION/SEDIMENT CONTROL HANDBOOK. 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## **SECTION 9**

### **IMPAIRED WATER/TMDL(S)**



## SECTION 9: Impaired Waters/TMDL(s)

### Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☒ Yes  
☐ No

Are there any surface waters that are located within 50 feet of your construction disturbances?  
☐ Yes ☒ No

**Table 1 – Names of Receiving Waters**

Name(s) of the first surface water that receives stormwater directly from your site and/or from the MS4 (note: multiple rows provided where your site has more than one point of discharge that flows to different surface waters)	
1.	Barnyard Run
2.	
3.	
4.	
5.	
6.	

**Table 2 – Impaired Waters / TMDLs** (Answer the following for each surface water listed in Table 1 above)

	Is this surface water listed as “impaired”?	What pollutant(s) are causing the impairment?	Title of the TMDL document	Pollutant(s) for which there is a TMDL
1.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Unknown	DEQ report	Insufficient Data (Category 3C)

Describe the method(s) you used to determine whether or not your project/site discharges to an impaired water: **DEQ’s What’s in My Backyard GIS Application**

**SECTION 10**

**POLLUTION PREVENTION PLAN**

## SECTION 10: Pollution Prevention Plan

### *Potential Sources of Pollution:*

#### Construction Site Pollutants

<b>Pollutant-Generating Activity</b>	<b>Pollutants or Pollutant Constituents</b> (that could be discharged if exposed to stormwater)	<b>Description of Non-Stormwater Discharges</b>	<b>Location on Site</b> (or reference SWPPP site map where this is shown)
Paving Operations	Wastewater	Proposed impervious surfaces: To be controlled locally and by perimeter controls. To be properly maintained so no discharges enter stormwater.	Proposed impervious surfaces
Concrete	Concrete wastewater	Proposed impervious surfaces: To be controlled locally and by perimeter controls. To be properly maintained so no discharges enter stormwater.	Proposed impervious surfaces
Paint/Wastewater from clean-up paint brushes, containers, and other equipment	Paint Contaminated Water	To be applied as needed. Containers to be disposed of properly.	Proposed houses
Trash and Debris Accumulation	Trash and debris	Trash may be found anywhere onsite due to lack of good housekeeping.	Site-wide
Landscape Irrigation	Sediments and nutrients	Utilized to insure sod survival	Areas of lawn illustrated on the Landscape Plan
Routine external building wash down	Solids, sediments	Wash down buildings once exposed to earth, after stabilization	Around all houses/buildings upon completion
QP: (Add activities, if necessary)			

### ***Best Management Practices (BMP) Description Narrative***

A number of BMPs will be utilized on the project site in order to generally comply with the State General Permit and the County's Stormwater Management Design Manual. **For approved BMPs, please refer to the approved Site Plans.**

#### **BMPs During Construction Activities**

The following BMPs shall be utilized during the life of the construction project. Additional BMPs can be added to this SWPPP at the discretion of the QP.

**1: Building, Pavement and Vehicle Wash Down:** Wash down areas onsite shall be established away from drainage facilities and watercourses. The volume of water used during dust control and wash down activities shall be minimized to the extent practicable. Signage for wash down areas prohibiting the use of soaps, solvents, and detergents shall be used if necessary. A construction entrance wash down area shall also be established where indicated on the approved plans.

**2: Concrete Washout:** A concrete truck washout area shall be established onsite and clearly identified in a convenient area away from drainage facilities and watercourses. Signage shall be used to direct concrete haulers and identify the wash down area(s). The concrete wastewater must be directed into leak-proof containers designed so that overflows will not occur due to inadequate sizing or precipitation.

**3: Dust Control Activities:** The volume of water used for dust control should be minimized to prevent runoff.

**4: Equipment/Vehicle Maintenance:** Equipment and onsite vehicles shall be inspected daily for leaks, equipment damage, and other service problems. Repairs shall be made immediately, or the vehicles/equipment shall be removed from the project site. Drip pans and absorbent materials shall be placed under parked vehicles and equipment spills on pavement shall be cleaned with absorbent materials. A Spill Kit shall be maintained onsite.

**5. Spill Prevention, Control and Countermeasure:** Appropriate BMPs listed above shall be utilized to prevent the spill or accident releases associated with the above pollutants. If a spill or accident release occurs, the following entities shall be notified:

- The Qualified Personnel (QP) as identified in this SWPPP;
- Fairfax County;
- Spills requiring emergency response shall be reported to 911;
- Spills not requiring emergency response shall be cleaned up and recorded in the SWPPP. They shall be reported to the site inspector;
- The State of Virginia (DEQ)

**6: Hazardous Wastes:** Hazardous waste generation onsite shall be minimized to the extent practicable. For any necessary hazardous and toxic waste handling, storage, and disposal, the QP or other delegated authority shall implement an education or training opportunity for onsite workers and record the event in this Plan. Hazardous waste collection areas shall be designated onsite in areas that prevent contact with stormwater and individuals. Hazardous waste materials shall not accumulate.

**7: Material Handling and Storage:** Paint and other chemicals shall be mixed indoors or in a containment area. All excess paint shall be collected; paint cans, brushes, rags, and other absorbent materials when thoroughly dry, should

also be disposed of with other construction debris. Soaps and detergents shall only be used as recommended on their labels and should be limited to use onsite.

**8: Paving and Grinding Operations:** Grindings and wastes must be removed and disposed of properly as work progresses. Grindings and wastes should be placed away from drainage facilities and watercourses and covered with plastic until they are removed from the site. These wastes should be removed from the site immediately.

**9: Trash and Debris:** Waste materials shall not be allowed to accumulate on the ground. Litter and debris shall be collected from the construction site daily. Trash and bulk waste-collection areas shall be established in a convenient area onsite and shall be clearly labeled for all workers and visitors. Debris and trash shall be kept under cover, either in a closed dumpster or other enclosed trash container that limits contain with rain, runoff and prevents light materials from blowing away.

**SECTION 11**

**CONTRACTOR(S) INFORMATION**

**WILLIAMS MEADOW  
SWPPP OPERATOR INFORMATION  
04/21/23**

**Operator(s):**

The Genuario Properties, Inc.  
Mr. Louis Genuario, Jr.  
8400 Radford Ave, Suite 200  
Alexandria, Virginia, 22309  
703-360-3134  
Controller@genuariocompanies.com

**Project Manager(s) or Site Supervisor(s):**

The Genuario Properties, Inc.  
Mr. Steve Blanchard  
8400 Radford Avenue, Suite 200  
Alexandria, Virginia, 22309  
703-360-3134  
Controller@genuariocompanies.com

**SWPPP Contact(s):**

The Genuario Properties, Inc.  
Mr. Steve Blanchard  
8400 Radford Avenue, Suite 200  
Alexandria, Virginia, 22309  
703-360-3134  
Controller@genuariocompanies.com

**This SWPPP was Prepared by:**

TNT Environmental, Inc.  
4455 Brookfield Corporate Drive, Suite 100  
Chantilly, VA 20151

**Subcontractor(s):**

**Emergency 24-Hour Contact:**

The Genuario Properties, Inc.  
Mr. Louis Genuario, Jr.  
760-360-3134

## **SECTION 12**

### **AMENDMENTS, MODIFICATION, & UPDATES LOG**



## Section 12 – Amendments, Modifications, and Updates Log

[illegible]

## **Section 12 – Amendments, Modifications, and Updates Log**

**SECTION 13**

**BMP/SWM CONSTRUCTION INSPECTION  
CHECKLIST & CERTIFICATION**

**SECTION 14**

**SITE INSPECTION REPORTS**

## General Information

Name of Project		CGP Tracking No.		Inspection Date	
Inspector Name, Title & Contact Information					
Present Phase of Construction					
Inspection Location					
<p><b>Inspection Frequency:</b></p> <p><b>Standard Frequency:</b> <input type="checkbox"/> Every four (4) business days <input type="checkbox"/> Every 5 days and within 24 hours of a 0.25" rain</p> <p>Per the Virginia General Permit No.: VAR10 (effective July 1, 2014 and expiring June 30, 2019), inspections shall be conducted at a frequency of (i) at least once every four business days or (ii) at least once every five business days and no later than 48 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 48 hours between business days, the inspection shall be conducted on the next business day</p>					
<p><b>Was this inspection triggered by a 0.25" storm event?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>If yes, how did you determined whether a 0.25" storm event has occurred?</b></p> <p><input type="checkbox"/> Rain gauge on site <input type="checkbox"/> Weather station representative of site. Specify weather station source:</p> <p><b>Total rainfall amount that triggered the inspection (in inches):</b></p>					
<p><b>Unsafe Conditions for Inspection</b></p> <p><b>Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>If "yes", complete the following:</b></p> <ul style="list-style-type: none"><li>- Describe the conditions that prevented you from conducting the inspection in this location:</li><li>- Location(s) where conditions were found:</li></ul>					

# Condition and Effectiveness of Erosion and Sediment (E&S) Controls

Type/Location of E&S Control [Add an additional sheet if necessary]	Repairs or Other Maintenance Needed?*	Corrective Action Required?	Date on Which Maintenance or Corrective Action First Identified?	Notes
1.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
9.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
10.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

### Contractor or Subcontractor Certification and Signature

"I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Contractor or Subcontractor: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name and Affiliation: \_\_\_\_\_

### Certification and Signature by Permittee

(see reverse for instructions)

"I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Permittee or  
"Duly Authorized Representative": \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name and Affiliation: \_\_\_\_\_