STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

For Construction Activities At:

Mount Vernon Park Subdivision
4411 Mount Vernon Memorial Highway
Alexandria, Virginia 22309
703-360-3134

SWPPP Prepared For:

Genuario Properties, Inc.
8400 Radford Avenue, Suite 200
Alexandria, Va. 22309
703-360-3134
Louis@Genuariocompanies.com

SWPPP Prepared By:

Genuario Properties, Inc.

Louis V. Genuario, Jr.
8400 Radford Avenue, Suite 200
Alexandria, VA. 22309
Office Phone: (703) 360-3134
Email: Louis@GenuarioCompanies.com

SWPPP Preparation Date:

02/01/13, Rev.04/19/13

Estimated Project Dates:

Project Start Date: 02/01/13
Project Completion Date: 08/01/14

Contents

SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 Operator(s) / Subcontractor(s)

Instructions (see definition of "operator" at CGP Part 1.1.a):

- Identify the operator(s) who will be engaged in construction activities at the site. Indicate respective responsibilities, where appropriate. Also include the 24-hour emergency contact.
- List subcontractors expected to work on-site. Notify subcontractors of stormwater requirements applicable to their work.
- Consider using Subcontractor Agreements such as the type included as a sample in Appendix G of the Template.

Operator(s):

Genuario Properties, Inc.
Louis V. Genuario, Jr. (Pres-RLD), A. Rick Genuario (VP – Const.Mgr.), Danny Normyle (Proj.Mgr.
8400 Radford Avenue, Suite 200:
Alexandria, VA 22309
703-360-3134
703-360-3686/Louis@GenuarioCompanies.com; Rick@Genuariocompanies.com; dnormyle@GenuarioCompanies.com
Rick Genuario – Constr. Manager; Danny Normyle – Proj.Manager

Subcontractor(s):

1) **New World Developers, LLC,**
Jim Agorsor
1725 I Street, Suite 300
Insert City, State, Zip Code: **Washington, DC 20006**
Insert Telephone Number: **202-349-1110**
Cagorsor@newworlddevelopers.com
Insert area of control (if more than one operator at site): **Site Development Work**

2) **B & W Excavating**
Judy Beaty
PO BOX 763
Haymarket, Virginia 20168
(703) 631-0505
JBeaty396@aol.com
Site Clearing & Grubbing

3) **Rock Hard Excavating**
Marie Shepard
1202 Monroe Street
Herndon, VA 20170
(703)742-5444/(703) 304-9229/shepardkm@gmail.com
House Demolition

4) **R.C.Fields & Associates**
R.J. Keller
730 South Washington St.
Alexandria, Virginia 22314
(703) 549-6422/(703) 549-6452/
Rjkeller@rcfassoc.com

5) **Washington Gas**
Patrick Estrada-Palma:
6801 Industrial Rd.
Springfield, VA 22151
703-750-5657/ (703) 750-7691/ [PatEstrada-Palma@washgas.com]
Gas Lines

6) **Dominion Virginia Power**
Evan Cooke
7888 Backlick Road
Springfield, Virginia 22150
Office - 703-440-5217/Cell - 571-266-9203
Email - Evan.S.Cooke@dom.com

Site Electrical Services

Emergency 24-Hour Contact:

Genuario Properties, Inc.
Rick Genuario
703-360-3134

1.2 Stormwater Team

Instructions (see CGP Part 7.2.1):

- Identify the staff members (by name or position) that comprise the project's stormwater team as well as their individual responsibilities. At a minimum the stormwater team is comprised of individuals who are responsible for overseeing the development of the SWPPP, any later modifications to it, and for compliance with the requirements in this permit (i.e., installing and maintaining stormwater controls, conducting site inspections, and taking corrective actions where required).
- Each member of the stormwater team must have ready access to either an electronic or paper copy of applicable portions of the 2012 CGP and your SWPPP.

Insert Role or Responsibility: Project Management
Insert Position: Project Manager
Insert Name: Rick Genuario
Insert Telephone Number: 703-360-3134
Insert Email: Rick@Genuariocompanies.com

Insert Role or Responsibility: Field/Construction Management
Insert Position: Construction Manager
Insert Name: Danny Normyle
Insert Telephone Number: (571) 436-7015
Insert Email: dnormyle@Genuariocompanies.com

Insert Role or Responsibility: RLD
Insert Position: President
Insert Name: Louis V. Genuario, Jr.
Insert Telephone Number: 703-360-3134
Insert Email: Louis@Genuariocompanies.com

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Instructions (see "Project/Site Information" section of Appendix J – NOI form):

- In this section, you are asked to compile basic site information that will be helpful to you when you file your NOI.
- Detailed information on determining your site's latitude and longitude can be found at www.epa.gov/npdes/stormwater/latlong

Project Name and Address

Project/Site Name: MOUNT VERNON PARK
Project Street/Location: 4411 Mount Vernon Memorial Highway
City: Alexandria
State: VA
ZIP Code: 22309
County or Similar Subdivision: Fairfax

Project Latitude/Longitude

(Use **one** of three possible formats, and specify method)

Latitude:
1. **38 °, 42', 30.8658"** N (degrees, minutes, seconds)
2. _ _ ° _ _ . _ _' N (degrees, minutes, decimal)
3. _ _ . _ _ _ _ ° N (decimal)

Longitude:
1. **-77°, 6', 38.595"** W (degrees, minutes, seconds)
2. _ _ ° _ _ . _ _' W (degrees, minutes, decimal)
3. _ _ . _ _ _ _ ° W (decimal)

Method for determining latitude/longitude:
√ USGS topographic map (specify scale: _____) ☐ EPA Web site ☐ GPS
☐ Other (please specify): _____

Horizontal Reference Datum:
☐ NAD 27 √ NAD 83 or WGS 84 ☐ Unknown

If you used a U.S.G.S topographic map, what was the scale? _____

Additional Project Information

Is the project/site located on Indian country lands, or located on a property of religious or cultural significance to an Indian tribe? ☐ Yes √ No

If yes, provide the name of the Indian tribe associated with the area of Indian country (including the name of Indian reservation if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property: -NA-

If you are conducting earth-disturbing activities in response to a public emergency, document the cause of the public emergency *(e.g., natural disaster, extreme flooding conditions)*, information substantiating its occurrence *(e.g., state disaster declaration)*, and a description of the construction necessary to reestablish effective public services: -NA-

Are you applying for permit coverage as a "federal operator" as defined in Appendix A of the 2012 CGP? ☐ Yes √ No

2.2 Discharge Information

Instructions (see "Discharge Information" section of Appendix J – NOI form):

- In this section, include information relating to your site's discharge. This information corresponds to the "Discharge Information" section of the NOI form. Because you may be using EPA's mapping tool to answer some of these questions, and the tool is accessed in the eNOI system, you may find it necessary to leave some questions unanswered until you have completed that portion of the NOI.
- For Table 1, list the name of the first surface water that receives discharges from your site. If your site has discharges to multiple surface waters, indicate the names of all such waters.
- For Table 2, if any of the surface waters you listed out in Table 1 are listed as impaired by the applicable State or Tribe, provide specified information about pollutants causing the impairment and whether or not a Total Maximum Daily Load (TMDL) has been completed for the surface water. For more information on TMDLs and impaired waters, including a list of TMDL contacts and links by state, visit www.epa.gov/npdes/stormwater/tmdl.
- For Table 3, indicate whether any of the surface waters you listed out in Table 1 are designated as Tier 2, 2.5, or 3 waters by your State or Tribe. See Appendix F for more information.

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes √

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. Dogue Creek
2.
3.

[Include additional rows as necessary.]

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

	Is this surface water listed as "impaired"?	If you answered yes, then answer the following:			
		What pollutant(s) are causing the impairment?	Has a TMDL been completed?	Title of the TMDL document	Pollutant(s) for which there is a TMDL
1.	☐ YES ☑ NO		☐ YES ☑ NO		
2.	☐ YES ☐ NO		☐ YES ☐ NO		
3.	☐ YES ☐ NO		☐ YES ☐ NO		
4.	☐ YES ☐ NO		☐ YES ☐ NO		
5.	☐ YES ☐ NO		☐ YES ☐ NO		
6.	☐ YES ☐ NO		☐ YES ☐ NO		

[Include additional rows as necessary.]

Describe the method(s) you used to determine whether or not your project/site discharges to an impaired water: INSERT TEXT HERE

Table 3 – Tier 2, 2.5, or 3 Waters (Answer the following for each surface water listed in Table 1 above)

	Is this surface water designated as a Tier 2, Tier 2.5, or Tier 3 water? (see Appendix F)	If you answered yes, specify which Tier (2, 2.5, or 3) the surface water is designated as?
1.	☐ YES ☑ NO	INSERT "Tier 2", "Tier 2.5", or "Tier 3"
2.	☐ YES ☐ NO	INSERT "Tier 2", "Tier 2.5", or "Tier 3"
3.	☐ YES ☐ NO	INSERT "Tier 2", "Tier 2.5", or "Tier 3"
4.	☐ YES ☐ NO	INSERT "Tier 2", "Tier 2.5", or "Tier 3"
5.	☐ YES ☐ NO	INSERT "Tier 2", "Tier 2.5", or "Tier 3"
6.	☐ YES ☐ NO	INSERT "Tier 2", "Tier 2.5", or "Tier 3"

2.3 Nature of the Construction Activity

Instructions (see CGP Parts 1.3.c and 7.2.2):

- Provide a general description of the nature of the construction activities at your project.
- Describe the size of the property (in acres) and the total area expected to be disturbed by the construction activities (in acres), construction support activities covered by this permit (see Part 1.3.c of the permit), and the maximum area expected to be disturbed at any one time.

General Description of Project

Provide a general description of the construction project:

Develop two one (1) acre parcels containing one single family dwelling into four (4) single family detached home lots with a private paved street and a Bio-Retention Facility.

Size of Construction Project

What is the size of the property (in acres), the total area expected to be disturbed by the construction activities (in acres), and the maximum area expected to be disturbed at any one time?

INSERT SIZE OF PROPERTY – **2.093 acres**

INSERT TOTAL AREA OF CONSTRUCTION DISTURBANCES (in acres): **1.77 Ac**

INSERT MAXIMUM AREA TO BE DISTURBED AT ANY ONE TIME (in acres): **2.093 Ac**

[Repeat as necessary for individual project phases.]

Construction Support Activities (only provide if applicable)

Describe any construction support activities for the project (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas)

- NA -

[Repeat as necessary.]

2.4 Sequence and Estimated Dates of Construction Activities

Instructions (see CGP Part 7.2.5):

- Describe the intended construction sequence and timing of major activities.
- For each phase of construction, include the following information:
  - ✓ Installation of stormwater controls, and when they will be made operational;
  - ✓ Commencement and duration of earth-disturbing activities, including clearing and grubbing, mass grading, site preparation (i.e., excavating, cutting and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization;
  - ✓ Cessation, temporarily or permanently, of construction activities on the site, or in designated portions of the site;
  - ✓ Final or temporary stabilization of areas of exposed soil. The dates for stabilization must reflect the applicable deadlines to which you are subject to in Part 2.2.1; and
  - ✓ Removal of temporary stormwater conveyances/channels and other stormwater control measures, removal of construction equipment and vehicles, and cessation of any pollutant-generating activities.
- The construction sequence must reflect the following requirements:
  - ✓Part 2.1.1.1 (area of disturbance);
  - ✓Part 2.1.1.3.a (installation of stormwater controls); and
  - ✓Parts 2.2.1.1, 2.2.1.2, 2.2.1.3 (stabilization deadlines).
- Also, see EPA's *Construction Sequencing BMP Fact Sheet* at http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_seq)

Phase I – Refer to Sheet 4 of 17 of the Subdivision Plans for the description of Phase I, and See dates below.

- **START AND END DATES OF LAND DISTURBANCE (Actual)**
  - Phase 1 E S Controls started 1.21.13 thru 1.25.13
  - PHASE 1 ES controls approved Mark Evans 1.25.13
  - Begin Clearing phase 1 2.7.13 thru 2 .12.13
  - Haul off and stock pile material 2.12.13 thru 2.20.13
  - Stripping top soil and hauling off excess 2.20.13 thru 2.28.13
  - Work on sewer main and laterals 2.25.13 thru 3.4.13
  - Rough grading lots 3.4.13 thru 4.15.13
  - work on culvert pipes and ditch line 3.4.13 thru 4.30.13
  - Sidewalk installation 3.21.13 thru 3.28.13
  - Roadway pipe stem 3.8.13 thru 4.4.13
- **STORMWATER CONTROL INSTALLATION DATES:**
  - ES control installed 1.21.13 thru 1.25.13
  - Culvert pipes installed with temp check damns in ditch line 3.4.13 thru 3.30.13
  - Seed and stabilize areas in the ROW 4.15.13 thru 4.30.13

- FOR AREAS OF THE SITE REQUIRED TO BE STABILIZED, INSERT ESTIMATED DATE(s) OF APPLICATION OF STABILIZATION MEASURES
  - Ditch lines and ROW seed and excelsior jut matting 4.1.13 thru 4.30.3
  - Seed and stabilize 4.20.13 thru 4.30.13

- ESTIMATED DATE(s) WHEN STORMWATER CONTROLS WILL BE REMOVED - January 2014

Phase II – Refer to Sheet 5 of 17 of the approved Subdivision Plans for a description of Phase, and see notes below:

- Estimated start and end dates of construction disturbance: February 2013 through June 2013.
- Estimated date of installation of each Storm Water Control:
  - January 2013 install E S controls
  - March- April install Culvert pipes and ditch line

- Estimated Date for application of measures for areas of site required to be stabilized: April –May, 2013

- Estimated Date when Stormwater Controls will be removed: May 2013

2.5 Allowable Non-Stormwater Discharges

Instructions (see CGP Parts 1.3.d and 7.2.8):

- Identify all allowable sources of non-stormwater discharges. The allowable non-stormwater discharges identified in Part 1.3.d of the 2012 CGP include:
  - ✓ Discharges from emergency fire-fighting activities;
  - ✓ Fire hydrant flushings;
  - ✓ Landscape irrigation;
  - ✓ Waters used to wash vehicles and equipment, provided that there is no discharge of soaps, solvents, or detergents used for such purposes;
  - ✓ Water used to control dust;
  - ✓ Potable water including uncontaminated water line flushings;
  - ✓ Routine external building wash down that does not use detergents;
  - ✓ Pavement wash waters provided spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and detergents are not used. You are prohibited from directing pavement was waters directly into any surface water, storm drain inlet, or stormwater conveyance, unless the conveyance is connected to a sediment basin, sediment trap, or similarly effective control;
  - ✓ Uncontaminated air conditioning or compressor condensate;
  - ✓ Uncontaminated, non-turbid discharges of ground water or spring water;
  - ✓ Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated ground water; and
  - ✓ Construction dewatering water that has been treated by an appropriate control.

List of Allowable Non-Stormwater Discharges Present at the Site

Type of Allowable Non-Stormwater Discharge	Likely to be Present at Your Site?
Discharges from emergency fire-fighting activities	☐ YES √ NO
Fire hydrant flushings	☐ YES √ NO
Landscape irrigation	☐ YES √ NO
Waters used to wash vehicles and equipment	☐ YES √ NO
Water used to control dust	☐ YES √ NO
Potable water including uncontaminated water line flushings	☐ YES √ NO
Routine external building wash down	☐ YES √ NO
Pavement wash waters	☐ YES √ NO
Uncontaminated air conditioning or compressor condensate	☐ YES √ NO
Uncontaminated, non-turbid discharges of ground water or spring water	☐ YES √ NO
Foundation or footing drains	√ YES ☐ NO
Construction dewatering water	√ YES ☐ NO

(Note: You are reminded of the requirement to identify the likely locations of these allowable non-stormwater discharges on your site map. See Section 2.6, below, of the SWPPP Template.)

2.6 *Site Maps*

Instructions (see CGP Part 7.2.6):

- Attach site maps in Appendix A of the Template. For most projects, a series of site maps is necessary and recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or, for more complicated sites, show the major phases of development.

These maps must include the following features:

- Boundaries of the property and of the locations where construction will occur, including:
  - ✓ Locations where earth-disturbing activities will occur, noting any phasing of construction activities;
  - ✓ Approximate slopes before and after major grading activities. Note areas of steep slopes, as defined in Appendix A;
  - ✓ Locations where sediment, soil, or other construction materials will be stockpiled;
  - ✓ Locations of any crossings of surface waters;
  - ✓ Designated points on the site where vehicles will exit onto paved roads;
  - ✓ Locations of structures and other impervious surfaces upon completion of construction; and
  - ✓ Locations of construction support activity areas covered by this permit.
- Locations of all surface waters, including wetlands, that exists on or near your site. Indicate which waterbodies are listed as impaired, and which are identified by your state, tribe, or EPA as Tier 2, Tier 2.5, or Tier 3 waters.
- The boundary lines of any natural buffer areas. See CGP Part 2.1.2.1.a.
- Areas of federally-listed critical habitat for endangered or threatened species.
- Topography of the site, existing vegetative cover (e.g., forest, pasture, pavement, structures), and drainage pattern(s) of stormwater and allowable non-stormwater flow onto, over, and from the site property before and after major grading activities.
- Stormwater and allowable non-stormwater discharge locations, including:
  - ✓ Locations of any storm drain inlets on the site and in the immediate vicinity of the site; and
  - ✓ Locations where stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands).
- Locations of all potential pollutant-generating activities.
- Locations of stormwater control measures.
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.

SECTION 3: DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS

3.1 Endangered Species Protection

Instructions (see CGP Parts 1.1.e, 7.2.14.1, Appendix D, and the "Endangered Species Protection" section of the Appendix J – NOI form):

Follow the process in Appendix D of the permit for determining which eligibility criterion (A-E) you have met with respect to the protection of endangered species. You will

- Include documentation supporting your determination of eligibility.
- Additional information on Endangered Species Act (ESA) provisions for EPA's Construction General Permit is at www.epa.gov/npdes/stormwater/esa

Eligibility Criterion

Under which criterion listed in Appendix D are you eligible for coverage under this permit?

√ **A** ☐ **B** ☐ **C** ☐ **D** ☐ **E**

For reference purposes, the eligibility criteria listed in Appendix D are as follows:

Criterion A. No federally-listed threatened or endangered species or their designated critical habitat(s) are likely to occur in your site's "action area" as defined in Appendix A of this permit.

Criterion B. The construction site's discharges and discharge-related activities were already addressed in another operator's valid certification of eligibility for your action area under eligibility Criterion A, C, D, E, or F and there is no reason to believe that federally-listed species or federally-designated critical habitat not considered in the prior certification may be present or located in the "action area". To certify your eligibility under this Criterion, there must be no lapse of NPDES permit coverage in the other operator's certification. By certifying eligibility under this Criterion, you agree to comply with any effluent limitations or conditions upon which the other operator's certification was based. You must include in your NOI the tracking number from the other operator's notification of authorization under this permit. If your certification is based on another operator's certification under Criterion C, you must provide EPA with the relevant supporting information required of existing dischargers in Criterion C in your NOI form.

Criterion C. Federally-listed threatened or endangered species or their designated critical habitat(s) are likely to occur in or near your site's "action area," and your site's discharges and discharge-related activities are not likely to adversely affect listed threatened or endangered species or critical habitat. This determination may include consideration of any stormwater controls and/or management practices you will adopt to ensure that your discharges and discharge-related activities are not likely to adversely affect listed species and critical habitat. To make this certification, you must include the following in your NOI: 1) any federally listed species and/or designated habitat located in your "action area"; and 2) the distance between your site and the listed species or designated critical habitat (in miles). You must also include a copy of your site map with your NOI.

Criterion D. Coordination between you and the Services has been concluded. The coordination must have addressed the effects of your site's discharges and discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat, and must have resulted in a written concurrence from the relevant Service(s) that your site's discharges and discharge-related activities are not likely to adversely affect listed species or critical habitat. You must include copies of the correspondence between yourself and the Services in your SWPPP and your NOI.

Criterion E. Consultation between a Federal Agency and the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service under section 7 of the ESA has been concluded. The consultation must have addressed the effects of the construction site's discharges and discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat. The result of this consultation must be either:

i. a biological opinion that concludes that the action in question (taking into account the effects of your site's discharges and discharge-related activities) is not likely to jeopardize the continued existence of listed species, nor the destruction or adverse modification of critical habitat; or

ii. written concurrence from the applicable Service(s) with a finding that the site's discharges and discharge-related activities are not likely to adversely affect federally-listed species or federally-designated habitat.

You must include copies of the correspondence between yourself and the Services in your SWPPP and your NOI.

Criterion F. Your construction activities are authorized through the issuance of a permit under section 10 of the ESA, and this authorization addresses the effects of the site's discharges and discharge-related activities on federally-listed species and federally-designated critical habitat. You must include copies of the correspondence between yourself and the Services in your SWPPP and your NOI.

Supporting Documentation

Provide documentation for the applicable eligibility criterion you select in Appendix D, as follows:

For criterion A, indicate the basis for your determination that no federally-listed threatened or endangered species or their designated critical habitat(s) are likely to occur in your site's action area (as defined in Appendix A of the permit). Check the applicable source of information you relied upon:

☐ Specific communication with staff of the U.S. Fish & Wildlife Service or National Marine Fisheries Service.

√ Publicly available species list. **IPaC - Information, Planning, and Conservation System Endangered Species Act Species List (USFWS Endangered Species Program), found at:** http://ecos.fws.gov/ipac/wizard/trustResourceList!prepare.action

☐ Other source: INSERT SPECIFIC SOURCE

For criterion B, provide the Tracking Number from the other operator's notification of permit authorization: INSERT AUTHORIZATION TRACKING NUMBER FROM OTHER OPERATOR'S

NOTIFICATION LETTER/EMAIL

Provide a brief summary of the basis used by the other operator for selecting criterion A, B, C, D, E, or F: INSERT TEXT HERE

For criterion C, provide the following information:

- INSERT LIST OF FEDERALLY-LISTED SPECIES OR FEDERALLY-DESIGNATED CRITICAL HABITAT LOCATED IN YOUR ACTION AREA
- INSERT DISTANCE BETWEEN YOUR SITE AND THE LISTED SPECIES OR CRITICAL HABITAT (in miles)

Also, provide a brief summary of the basis used for determining that your site's discharges and discharge-related activities are not likely to adversely affect listed species or critical habitat: INSERT TEXT HERE

For criterion D, E, or F, attach copies of any letters or other communication between you and the U.S. Fish & Wildlife Service or National Marine Fisheries Service concluding consultation or coordination activities. INSERT COPIES OF LETTERS OR OTHER COMMUNICATIONS HERE

3.2 Historic Preservation

Instructions (see CGP Part 1.1.f, 7.2.14.2, Appendix E, and the "Historic Preservation" section of the Appendix J – NOI form):

Follow the screening process in Appendix E of the permit for determining whether your installation of subsurface earth-disturbing stormwater controls will have an effect on historic properties.

- Include documentation supporting your determination of eligibility.
- To contact your applicable state or tribal historic preservation office, information is available at *www.achp.gov/programs/html*.

Appendix E, Step 1

Do you plan on installing any of the following stormwater controls at your site? Check all that apply below, and proceed to Appendix E, Step 2.

☐ Dike
☐ Berm
☐ Catch Basin
☐ Pond
√ Stormwater Conveyance Channel (e.g., ditch, trench, perimeter drain, swale, etc.)
√ Culvert
√ Other type of ground-disturbing stormwater control: Bio-Rentention Facility

(Note: If you will not be installing any ground-disturbing stormwater controls, no further documentation is required for Section 3.2 of the Template.)

Appendix E, Step 2

If you answered yes in Step 1, have prior surveys or evaluations conducted on the site already determined that historic properties do not exist, or that prior disturbances at the site have precluded the existence of historic properties? √ YES ☐ NO

- If yes, no further documentation is required for Section 3.2 of the Template.
- If no, proceed to Appendix E, Step 3.

Appendix E, Step 3

If you answered no in Step 2, have you determined that your installation of subsurface earth-disturbing stormwater controls will have no effect on historic properties? ☐ YES ☐ NO

If yes, provide documentation of the basis for your determination. Fairfax County Public Property Records found at: http://icare.fairfaxcounty.gov/Datalets/Datalet.aspx?sIndex=0&idx=1

If no, proceed to Appendix E, Step 4.

Appendix E, Step 4

If you answered no in Step 3, did the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Office (THPO), or other tribal representative (whichever applies) respond to you within 15 calendar days to indicate whether the subsurface earth disturbances caused by the installation of stormwater controls affect historic properties? ☐ YES ☐ NO

If no, no further documentation is required for Section 3.2 of the Template.

If yes, describe the nature of their response:

☐ Written indication that adverse effects to historic properties from the installation of stormwater controls can be mitigated by agreed upon actions. INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE APPLICABLE SHPO, THPO, OR OTHER TRIBAL REPRESENTATIVE

☐ No agreement has been reached regarding measures to mitigate effects to historic properties from the installation of stormwater controls. INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE APPLICABLE SHPO, THPO, OR OTHER TRIBAL REPRESENTATIVE

☐ Other: INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE APPLICABLE SHPO, THPO, OR OTHER TRIBAL REPRESENTATIVE

3.3 Safe Drinking Water Act Underground Injection Control Requirements

Instructions (see CGP Part 7.2.14.3):

- If you will use any of the identified controls in this section, include documentation of contact between you and the applicable state agency or EPA Regional Office responsible for implementing the requirements for underground injection wells in the Safe Drinking Water Act and EPA's implementing regulations at 40 CFR Parts 144-147.
- For state UIC program contacts, refer to the following EPA website: *http://water.epa.gov/type/groundwater/uic/whereyoulive.cfm*.

Do you plan to install any of the following controls? Check all that apply below.

☐ Infiltration trenches (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)

☐ Commercially manufactured pre-cast or pre-built proprietary subsurface detention vaults, chambers, or other devices designed to capture and infiltrate stormwater flow

☐ Drywells, seepage pits, or improved sinkholes (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)

If yes, INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE STATE AGENCY OR EPA REGIONAL OFFICE

SECTION 4: EROSION AND SEDIMENT CONTROLS

General Instructions (See CGP Parts 2.1 and 7.2.10):

- Describe the erosion and sediment controls that will be installed and maintained at your site.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs http://www.epa.gov/npdes/stormwater/menuofbmps

4.1 Natural Buffers or Equivalent Sediment Controls

Instructions (see CGP Parts 2.1.2.1 and 7.2.9, and Appendix G):

This section only applies to you if a surface water is located within 50 feet your construction activities. If this is the case, consult CGP Part 2.1.2.1 and Appendix G for information on how to comply with the buffer requirements.

- Describe the compliance alternative (CGP Part 2.1.2.1.a.i, ii, or iii) that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.
- If you qualify for one of the exceptions in CGP Part 2.1.2.1.e, include documentation related to your qualification for such exceptions.

Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances? ☐ YES √ NO

(Note: If no, no further documentation is required for the SWPPP Template.)

4.2 Perimeter Controls

Instructions (see CGP Parts 2.1.2.2 and 7.2.10):

- Describe sediment controls that will be used (e.g., silt fences, filter berms, temporary diversion dikes, or fiber rolls) to meet the Part 2.1.2.2 requirement to "install sediment controls along those perimeter areas of your site that will receive stormwater from earth-disturbing activities."
- For linear projects, where you have determined that the use of perimeter controls in portions of the site is impracticable, document why you believe this is to be the case.
- Also see, EPA's *Silt Fence BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/silt_fences or *Fiber Rolls BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber_rolls

General

- Refer to Phase I and Phase II Erosion & Sediment Control Plan (Sheets 4 & 5) of the approved subdivision plans (see Appendix A.2 & A.3)
-

Specific Perimeter Controls

Perimeter Control # 1

- Perimeter Control Description – Install Silt Fence, Tree Protection, & other sediment controls, including sediment traps, as shown for Phase I sheet 4 of the approved subdivision plans. All erosion and sediment controls are to conform to the current standards and specifications of the 1992 edition of the Virginia Erosion and Sediment Control Handbook and/or current Fairfax County checklist for erosion and sediment controls. These controls include plastic silt fence, metal super silt fence, vinyl tree protection fencing, Filter cloth, Class I Rip Rap, or VDOT Course Aggregate.

- Design Specifications - Refer to Sheets 4 & 5 of the approved SD plans

- Installation – February 1, 2013

- Maintenance Requirements – 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 SODDED 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-SODDING IF NECESSARY. ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY OF SEDIMENT NOT SUITABLE FOR FILL.

4.3 Sediment Track-Out

Instructions (see CGP Parts 2.1.2.3 and 7.2.10):

- Describe stormwater controls that will be used to "minimize the track-out of sediment onto off-site streets, other paved areas, and sidewalks from vehicles exiting your construction site."
- Describe location(s) of vehicle exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediment. Also include the design, installation, and maintenance specifications for each control.
- Also, see EPA's *Construction Entrances BMP Fact Shee*t at www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_entrance

General

- CONSTRUCTION ENTRANCE NOTE - ALL VEHICLES SHALL BE CLEANED OF DEBRIS BEFORE ENTERING PUBLIC RIGHT-OF-WAY. THE WASHWATER SHALL BE DIRECTED TO A PERIMETER CONTROLS AND NOT INTO THE PUBLIC RIGHT-OF-WAY. WASHWATER SHALL BE SUPPLIED BY CONNECTING A TAP TO THE EXISTING WATER SERVICE SERVING THE SITE. IF THIS SERVICE BECOMES INOPERABLE OR THE SERVICE IS NOT ADEQUATE THEN WASHWATER SHALL BE PROVIDED BY AN ALTERNATE SOURCE APPROVED BY THE INSPECTOR.

Track-Out Control # 1

- Track-Out Control Description – Refer to sheets 4 & 6 of the approved subdivision plans for Construction Entrance location (sht.4), Construction Entrance Note (sheet 4), and Construction Entrance design (Sht. 6).

Installation - First Week of February 2013

Maintenance Requirements

- ALL VEHICLES SHALL BE CLEANED OF DEBRIS BEFORE ENTERING PUBLIC RIGHT-OF-WAY. THE WASHWATER SHALL BE DIRECTED TO A PERIMETER CONTROLS AND NOT INTO THE PUBLIC RIGHT-OF-WAY. WASHWATER SHALL BE SUPPLIED BY CONNECTING A TAP TO THE EXISTING WATER SERVICE SERVING THE SITE. IF THIS SERVICE BECOMES INOPERABLE OR THE SERVICE IS NOT ADEQUATE THEN WASHWATER SHALL BE PROVIDED BY AN ALTERNATE SOURCE APPROVED BY THE INSPECTOR. Refer to Sheet 5 of the approved subdivision plans.

- (Note: At a minimum, you must provide for maintenance that meets the following requirement in CGP Part 2.1.2.3.d: "Where sediment has been tracked-out from your site onto the surface of off-site streets, other paved areas, and sidewalks, you must remove the deposited sediment by the end of the same work day in which the track-out occurs or by the end of the next work day if track-out occurs on a non-work day. You must remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance (unless it is connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.")

4.4 Stockpiled Sediment or Soil

Instructions (see CGP Parts 2.1.2.4 and 7.2.10):

- Describe stormwater controls and other measures you will take to minimize the discharge of sediment or soil particles from stockpiled sediment or soil. Include a description of structural practices (e.g., diversions, berms, ditches, storage basins), including design, installation, and maintenance specifications, used to divert flows from stockpiled sediment or soil, retain or detain flows, or otherwise limit exposure and the discharge of pollutants from stockpiled sediment or soil.
- Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile.

General - ANY SOIL STOCKPILE AREAS ON-SITE SHALL UTILIZE PERIMETER CONTROLS AROUND THE STOCKPILE TO CONTAIN SEDIMENT ON-SITE.

Specific Stockpile Controls

Stockpile Control # 1
Stockpiled Sediment/Soil Control Description - Install Silt Fence & other sediment controls as shown for Phase I sheet 4 of the approved subdivision plans. All erosion and sediment controls are to conform to the current standards and specifications of the 1992 edition of the Virginia Erosion and Sediment Control Handbook and/or current Fairfax County checklist for erosion and sediment controls. These controls include plastic silt fence & metal super silt fence (if necessary). Seed & Mulch Soil Berm if stockpile will remain on site for future use > 30 days.

Installation - February 15, 2013

Maintenance Requirements
- 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 SODDED 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-SODDING IF NECESSARY. ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY OF SEDIMENT NOT SUITABLE FOR FILL.

- (Note: At a minimum, you must comply with following requirement in CGP Part 2.1.2.4.d: Do not hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance (unless connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.)

4.5 Minimize Dust

Instructions (see CGP Parts 2.1.2.5 and 7.2.10):

Describe controls and procedures you will use at your project/site to minimize the generation of dust.

General -

- Monitor Soil moisture and weather forecast.

Specific Dust Controls

Dust Control # 1
Dust Control Description – utilize Flush trucks for street clean and fire hydrants to dampen site.

Installation – As needed: order flush trucks and use fire hoses for connection to fire hydrant.

Maintenance Requirements - Monitor soil erosion fence and silt traps for soil buildup due to use of flush trucks and fire hose.

4.6 Minimize the Disturbance of Steep Slopes

Instructions (see CGP Parts 2.1.2.6 and 7.2.10):

- Describe how you will minimize the disturbance to steep slopes (as defined by CGP Appendix A).
- Describe controls (e.g., erosion control blankets, tackifiers), including design, installation and maintenance specifications, that will be implemented to minimize sediment discharges from slope disturbances.
- Also, see EPA's *Geotextiles BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/geotextiles

General - Not Applicable to this site.

Specific Steep Slope Controls – Not Applicable to this Site

Steep Slope Control # 1
Steep Slope Control Description

- INSERT DESCRIPTION OF STEEP SLOPE CONTROL TO BE INSTALLED
- INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

- INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements

- INSERT MAINTENANCE REQUIREMENTS FOR THE STEEP SLOPE CONTROL

[Repeat as needed for individual steep slope controls.]

4.7 Topsoil

Instructions (see CGP Parts 2.1.2.7 and 7.2.10):

- Describe how topsoil will be preserved and identify these areas and associated control measures on your site map(s).
- If it is infeasible for you to preserve topsoil on your site, provide an explanation for why this is the case.

General

- Scrape and stockpile topsoil

Specific Topsoil Controls

Topsoil Control # 1
Topsoil Control Description

- Provide Silt Control fencing around topsoil burden on site.
- Seed or straw as needed to control erosion.

Maintenance Requirements

- Refer to Section 4.4 above.

4.8 Soil Compaction

Instructions (see CGP Parts 2.1.2.8 and 7.2.10):

- In areas where final vegetative stabilization will occur or where infiltration practices will be installed, describe the controls, including design, installation, and maintenance specifications that will be used to restrict vehicle or equipment access or condition the soil for seeding or planting.

General – Refer to the Geotechnical Report requirements for the project shown on Sheet 2 of the approved subdivision plans.

Specific Soil Compaction Controls

Soil Compaction Control # 1
Soil Compaction Control Description

- SOILS ON THE SITE HAVE BEEN IDENTIFIED AS MATTAPEX (SOIL ID #46, CLASS B) AND BERTIE (#26, CLASS B). THE CLASS "B" SOILS HAVE FAIR TO GOOD FOUNDATION SUPPORT, MARGINAL SUBSURFACE DRAINAGE GOOD SLOPE STABILITY AND MODERATE ERODIBILITY.

- Refer to the "Geotechnical Notes" shown on Sheet 2 of the approved subdivision plan for soil compaction requirements.

Installation

- March 13 through April 15, 2013

Maintenance Requirements – Dampen & Roll soils to obtain required compaction density. Seal soils daily to allow for proper drainage.

4.9 Storm Drain Inlets

Instructions (see CGP Parts 2.1.2.9 and 7.2.10):

- Describe controls (e.g., inserts, rock-filled bags, or block and gravel) including design, installation, and maintenance specifications that will be implemented to protect all inlets that will receive stormwater from your construction activities, and that you have authority to access.
- Also, see EPA's *Storm Drain Inlet Protection BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/storm_drain

General - All erosion and sediment controls are to conform to the current standards and specifications of the 1992 edition of the Virginia Erosion and Sediment Control Handbook and/or current Fairfax County checklist for erosion and sediment controls.

Specific Storm Drain Inlet Controls

Storm Drain Inlet Control # 1
Storm Drain Inlet Control Description

- DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS, MAINTAINED AND MODIFIED DURING CONSTRUCTION PROGRESS AS REQUIRED.

- Refer to the Culvert Outlet Protection and Culvert Inlet Protection plates shown on Sheet 6A of the approved subdivision plans.

Installation

- March 4, 2013

Maintenance Requirements

- THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS 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.

- ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY OF SEDIMENT NOT SUITABLE FOR FILL.

- (Note: At a minimum, you must comply with following requirement in CGP Part 2.1.2.9.b: "Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, you must remove the deposited sediment by the end of the same work day in which it is found or by the end of the following work day if removal by the same work day is not feasible.")

4.10 Constructed Stormwater Conveyance Channels

Instructions (see CGP Parts 2.1.3.1 and 7.2.10):

If you will be installing a stormwater conveyance channel, describe control practices (e.g., velocity dissipation devices), including design specifications and details (volume, dimensions, outlet structure), that will be implemented at the construction site.

General

- Repair, reshape, and reline existing stormwater channel/v-ditch in the VDOT Right of Way as shown on Sheet 3 of the approved subdivision plans.

Specific Conveyance Channel Controls

Stormwater Conveyance Channel # 1
Stormwater Conveyance Channel Control Description

- Refer to Sheet 3 of the approved subdivision plans. Repair and reline existing V-Ditch in VDOT R.O.W.
- Refer to Sheets 3 & 6A of the approved subdivision plans.

Installation

- March 4 – April 30, 2013

Maintenance Requirements - check all constructed channels after each storm which meets or exceeds the design storm. On riprap-lined waterways, check for scouring below the riprap layer, and be sure the stones have not been dislodged by the flow. Particular attention should be paid to the outlet of the channel. If erosion is occurring at the outlet, appropriate energy dissipation measures should be taken. Sediment should be removed from riprap-lined channels if it reduces the capacity of the channel.

4.11 Sediment Basins

Instructions (see CGP Parts 2.1.3.2 and 7.2.10):

If you will install a sediment basin, include design specifications and other details (volume, dimensions, outlet structure) that will be implemented at in conformance with CGP Part 2.1.3.2.

- At a minimum, sediment ponds must provide storage for either (1) the calculated volume of runoff from the 2-year, 24-hour storm (see CGP App. H), or (2) 3,600 cubic feet per acre drained
- Sediment ponds must also utilize outlet structures that withdraw water from the surface, , unless infeasible
- Also, see EPA's *Sediment Basin BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/sediment_basins

General – Not applicable for this site/project.

Specific Sediment Basin Controls

Sediment Basin Control # 1
Sediment Basin Control Description - Not applicable for this site/project.

- INSERT DESCRIPTION OF SEDIMENT BASIN CONTROL TO BE INSTALLED
- INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation - Not applicable for this site/project.

- INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements - Not applicable for this site/project.

- INSERT MAINTENANCE REQUIREMENTS FOR THE SEDIMENT BASIN CONTROL
  (Note: At a minimum, you must comply with following requirement in CGP Part 2.1.3.2.b: "Keep in effective operating condition and remove accumulated sediment to maintain at least ½ of the design capacity of the sediment basin at all times.")

[Repeat as needed for individual sediment basin controls.]

4.12 Chemical Treatment

Instructions (see CGP Parts 2.1.3.3 and 7.2.10.2):

If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.10.2.

Soil Types
List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction and that will be discharged to locations where chemicals will be applied: SOILS ON THE SITE HAVE BEEN IDENTIFIED AS MATTAPEX (SOIL ID #46, CLASS B) AND BERTIE (#26, CLASS B). THE CLASS "B" SOILS HAVE FAIR TO GOOD FOUNDATION SUPPORT, MARGINAL SUBSURFACE DRAINAGE GOOD SLOPE STABILITY AND MODERATE ERODIBILITY.

Treatment Chemicals
List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: - NA -

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: - NA -

Provide information from any applicable Material Safety Data Sheets (MSDS): - NA -

Describe how each of the chemicals will stored: - NA -

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: - NA -

Special Controls for Cationic Treatment Chemicals (if applicable)
If you have been authorized by your applicable Regional Office to use cationic treatment chemicals, include the official EPA authorization letter or other communication, and identify the specific controls and implementation procedures you are required to implement to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards: - NA -

Schematic Drawings of Stormwater Controls/Chemical Treatment Systems
Provide schematic drawings of any chemically-enhanced stormwater controls or chemical treatment systems to be used for application of treatment chemicals: - NA -

Training
Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: - NA -

4.13 Dewatering Practices

Instructions (see CGP Parts 2.1.3.4 and 7.2.10):

If you will be discharging stormwater that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, include design specifications and details of all dewatering practices that are installed and maintained to comply with CGP Part 2.1.3.4.

General

- Dewatering will be routed into the existing culverts/V-Ditches that run along the southern and western property perimeter in the VDOT R.O.W.

Specific Dewatering Practices

Dewatering Practice # 1
Dewatering Practice Description

- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE WHICH IS COMBINATION STONE AND FILTER PAPER: VDOT RIP-RAP AND/OR COURSE VDOT AGGREGATE.
- REFER TO SHEET 6A OF THE APPROVED SUBDIVISION PLANS FOR OUTLET PROTECTION

Installation

- MARCH 4, 2013

Maintenance Requirements

- THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS 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.

- ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY OF SEDIMENT

NOT SUITABLE FOR FILL.

(Note: At a minimum, you must comply with following requirement in CGP Part 2.1.3.4: "With backwash water, either haul it away for disposal or return it to the beginning of the treatment process; and replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications.")

[Repeat as needed for individual dewatering practices.]

4.14 Other Stormwater Controls

Instructions:

- Describe any other stormwater controls that do not fit into the above categories.

General – construct soil drainage swales/channels to drain future house basement excavations.

Specific Stormwater Control Practices

Stormwater Control Practice # 1
Description – see General Description above.

Installation

- 04/10/13 to 4/15/13

Maintenance Requirements – Keep drainage channel open.

[Repeat as needed.]

4.15 Site Stabilization

Instructions (see CGP Parts 2.2 and 7.2.10):

The CGP requires you to immediately initiate stabilization when work in an area of your site has permanently or temporarily stopped, and to complete certain stabilization activities within prescribed deadlines. See CGP Part 2.2.1. The CGP also requires that stabilization measures meet certain minimum criteria. See CGP Part 2.2.2. For your SWPPP, you must include the following:

- Describe the specific vegetative and/or non-vegetative practices that will be used to stabilize exposed soils where construction activities have temporarily or permanently ceased. Avoid using impervious surfaces for stabilization whenever possible.
- Also, see EPA's *Seeding BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/seeding
- Once you begin construction, consider using the Grading/Stabilization Activities log in Appendix H of the Template to document your compliance with the stabilization requirements in CGP Part 2.2

Site Stabilization Practice (only use this if you are not located in an arid, semi-arid, or drought-stricken area)
√ *Vegetative* ☐ *Non-Vegetative*
√ *Temporary* √ *Permanent*

Description of Practice

- ALL AREAS THAT ARE DENUDED BY THIS PLAN SHALL BE COMPLETELY STABILIZED AT THE END OF CONSTRUCTION. A PERMANENT GROUND COVER OF GRASS SHALL BE ESTABLISHED ON ALL AREAS THAT ARE NOT PAVED OR BUILT UPON. GRASS COVER MAY BE APPLIED EITHER BY SEEDING WITH MULCH OR BY APPLYING SOD. DRAINAGE DITCHES IN THE VDOT R.O.W. SHALL BE COVERED WITH EXCELSIOR JUTE MATTING.

- ANY DISTURBED AREA NOT COVERED BY NOTE ABOVE, AND NOT PAVED, SODDED 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 PER ACRE AND OVERSEEDED BY APRIL 15.

- PROJECT LANDSCAPING SHALL BE INSTALLED PER THE LANDSCAPE PLAN AND SCHEDULES NOTED ON SHEETS 12, 12A, & 13 OF THE APPROVED SUBDIVSION PLAN.

- AT THE COMPLETION OF THE PROJECT, AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREA, SHALL BE STABILIZED.

- DESIGN SPECIFICATION FOR STABILIZATION MATERIALS ARE NOTED ON SHEETS 6, 6a, 12, 12A, & 13 OF THE APPROVED SUBDIVISION PLANS.

Installation

- PER THE DESIGN SPECIFICATION FOR STABILIZATION MATERIALS ARE NOTED ON SHEETS 6, 6a, 12, 12A, & 13 OF THE APPROVED SUBDIVISION PLANS.

- MARCH 1ST THROUGH JUNE 1ST 2013

- JUNE 1, 2013

Maintenance Requirements
THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE A VISUAL INSPECTION OF THE NEWLY STABILIZED AREAS (I.E. SEEDED AND MULCHED AND/OR SODDED AREAS, AND VEGETATED 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-SODDING IF NECESSARY.

[Repeat as needed for additional stabilization practices.]

Site Stabilization Practice (only use this if you are located in an arid, semi-arid, or drought-stricken area)
☐ *Vegetative* ☐ *Non-Vegetative*
☐ *Temporary* ☐ *Permanent*

Description of Practice

- INSERT DESCRIPTION OF STABILIZATION PRACTICE TO BE INSTALLED
- NOTE HOW DESIGN WILL MEET REQUIREMENTS OF PART 2.2.2.1 OR 2.2.2.2, WHICHEVER APPLIES
- INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

- FOR VEGETATIVE STABILIZATION IN ARID OR SEMI-ARID AREAS, INDICATE THE BEGINNING AND ENDING DATES OF THE SEASONALLY DRY PERIOD AND DESCRIBE YOUR SITE CONDITIONS
- INSERT APPROXIMATE DATE OF INSTALLATION
- INSERT APPROXIMATE COMPLETION DATE CONSISTENT WITH CGP PART 2.2.1.3

Maintenance Requirements
INSERT MAINTENANCE REQUIREMENTS FOR THE STABILIZATION PRACTICE

[Repeat as needed for additional stabilization practices.]

Site Stabilization Practice (only use this if uncontrollable circumstances have delayed the initiation or completion of stabilization)

(Note: You will not be able to include this information in your initial SWPPP. If you are affected by circumstances such as those described in CGP Part 2.2.1.3.b, you will need to modify your SWPPP to include this information.)

☐ *Vegetative* ☐ *Non-Vegetative*
☐ *Temporary* ☐ *Permanent*

Justification

- INSERT DESCRIPTION OF CIRCUMSTANCES THAT PREVENT YOU FROM MEETING THE DEADLINES REQUIRED IN CGP PARTS 2.2.1.1 AND/OR 2.2.1.2 AND THE SCHEDULE YOU WILL FOLLOW FOR INITIATING AND COMPLETING STABILIZATION

Description of Practice

- INSERT DESCRIPTION OF STABILIZATION PRACTICE TO BE INSTALLED
- NOTE HOW DESIGN WILL MEET REQUIREMENTS OF PART 2.2.2.1 OR 2.2.2.2, WHICHEVER APPLIES
- INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

- INSERT DATES OF INITIATION AND COMPLETION OF NON-VEGETATIVE STABILIZATION CONTROLS (must be completed within 14 days of the cessation of construction)

Maintenance Requirements
INSERT MAINTENANCE REQUIREMENTS FOR THE STABILIZATION PRACTICE

[Repeat as needed for additional stabilization practices.]

SECTION 5: POLLUTION PREVENTION STANDARDS

5.1 Potential Sources of Pollution

Instructions (see CGP Part 7.2.7):

- Identify and describe all pollutant-generating activities at your site (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal).
- For each pollutant-generating activity, include an inventory of pollutants or pollutant constituents associated with that activity (e.g., sediment, fertilizers, and/or pesticides, paints, solvents, fuels), which could be exposed to rainfall or snowmelt, and could be discharged from your construction site. You must take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges.

Construction Site Pollutants

INSERT TEXT OR USE TABLE BELOW

Pollutant-Generating Activity	**Pollutants or Pollutant Constituents** (that could be discharged if exposed to stormwater)	**Location on Site** (or reference SWPPP site map where this is shown)
ASPHALT PAVING	PETROLEUM	PRIVATE ROADWAY AND INTERSECTION OF ROADWAY AND LOT 5B DRIVEWAY WITH FORREST HAVEN DRIVE
CONCRETE LATENT	Salt, lime, Portland Cement	PAVED WALKWAY IN VDOT R.O.W SHOWN ON THE SUBDIVISION PLAN, SHT.3

[Include additional rows as necessary.]

5.2 Spill Prevention and Response

Instructions (see CGP Parts 2.3 and 7.2.11):

- Describe procedures you will use to prevent and respond to leaks, spills, and other releases. You must implement the following at a minimum:
  - ✓ Procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases. Identify the name or title of the employee(s) responsible for detection and response of spills or leaks; and
  - ✓ Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity consistent with Part 2.3.3.4c and established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, occurs during a 24-hour period. Contact information must be in locations that are readily accessible and available.
- Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.

INSERT SPILL PREVENTION AND RESPONSE PROCEDURES HERE

5.3 Fueling and Maintenance of Equipment or Vehicles

Instructions (see CGP Parts 2.3.3.1 and 7.2.11):

- Describe equipment/vehicle fueling and maintenance practices that will be implemented to eliminate the discharge of spilled or leaked chemicals (e.g., providing secondary containment *(examples: spill berms, decks, spill containment pallets)* and cover where appropriate, and/or having spill kits readily available.
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain

General

- VEHICLES WILL BE PARKED AND OPERATE ON THE SITE. SPILL WILL BE CONTAINED TO THE SITE.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description

- ENTRANCE WASH RACK TO WASH DOWN EXITING VEHICLES BEFORE THEY LEAVE SITE.
- REFER TO SHEETS 3 & 6 OF THE APPROVED SUBDIVISION PLANS.

Installation – 02/01/13

Maintenance Requirements – INSPECT WASHRACK DAILY AND REPAIR BASE OR REPLACE STONE AS NEEDED TO MAINTAIN FUNCTION.

[*Pollution Prevention Practice # 2*
Description – FUEL & OIL LEAKAGE FROM TRUCKS. INSPECT DAILY AND NOTIFY OPERATOR TO STOP LEAKAGE.

Installation – NA-

Maintenance – NA -

5.4 Washing of Equipment and Vehicles

Instructions (see CGP Parts 2.3.3.2 and 7.2.11):

- Describe equipment/vehicle washing practices that will be used to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other types of washing (e.g., locating activities away from surface waters and stormwater inlets or conveyances and directing wash waters to a sediment basin or sediment trap, using filtration devices, such as filter bags or sand filters, or using other similarly effective controls).
- Describe how you will prevent the discharge of soaps, detergents, or solvents by providing either (1) cover (*examples: plastic sheeting or temporary roofs*) to prevent these detergents from coming into contact with rainwater, or (2) a similarly effective means designed to prevent the discharge of pollutants from these areas.
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain

General

- SITE WASHRACK SHOWN ON SHEETS 3 & 6 OF THE APPROVED SUBDIVISION PLANS. SOAPS, DETERGENTS, AND SOLVENTS WILL NOT BE ALLOWED TO BE USED ON SITE. DISCHARGE WATER WILL FILTER THROUGH THE WASHRACK FILTER SONE INTO THE SOIL, NOT INTO A DRAINAGE CHANNEL, PIPE OR INTO A WATER WAY.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description
- WASHRACK
- REFER TO SHEETS 3 & 6 OF THE APPROVED SUBDIVISION PLANS

Installation
- PER THE DETAILS ON SHEETS 3 & 6 OF THE APPROVED SUBDIVISION PLANS
-

Maintenance Requirements - INSPECT WASHRACK DAILY AND REPAIR BASE OR REPLACE STONE AS NEEDED TO MAINTAIN FUNCTION.

Repeat as needed.]

5.5 Storage, Handling, and Disposal of Construction Products, Materials, and Wastes

Instructions (see CGP Parts 2.3.3.3 and 7.2.11):

- For any of the types of construction products, materials, and wastes below in Sections 5.5.1-5.5.6 below that are expected to be used or stored at your site, provide the information on how you will comply with the corresponding CGP provision and the specific practices that will be employed.
- Also, see EPA's *General Construction Site Waste Management BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_wasteman

5.5.1 Building Products

General

- BUILDING PRODUCTS STORED ON SITE WILL BE LIMITED TO NATURAL PRODUCTS SUCH AS SAND, BRICK, STONE, LUMBER, AND STEEL. ANY OTHER PRODUCT WILL BE STORED IN THE STRUCTURE GENERALLY COVERED OR IN CLOSED CONTAINERS.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description

- COVER MATERIAL STORED ON SITE.
- PAPER WRAP OR POLYETHYLENE COVER

Installation

- SUMMER 2013

Maintenance Requirements

- INSPECT STORED MATERIAL DAILY AND RECOVER AS NEEDED

[Repeat as needed.]

5.5.2 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

General

- NOT USED

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description – NA

Installation

- INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements

- INSERT MAINTENANCE REQUIREMENTS FOR THE POLLUTION PREVENTION PRACTICE

[Repeat as needed.]

5.5.3 Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Products, and Other Chemicals

General

- NOT STORED ON SITE
-

Specific Pollution Prevention Practices – NA -

Pollution Prevention Practice # 1
Description

- INSERT DESCRIPTION OF PRACTICE TO BE INSTALLED
- IF APPLICABLE INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

- INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements

- INSERT MAINTENANCE REQUIREMENTS FOR THE POLLUTION PREVENTION PRACTICE

[Repeat as needed.]

5.5.4 Hazardous or Toxic Waste

(Note: Examples include paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids.)

General

- HAZARDOUS OR TOXIC WASTE WILL NOT BE STORED OR ALLOWED ON SITE.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description

- INSERT DESCRIPTION OF PRACTICE TO BE INSTALLED
- IF APPLICABLE INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

- INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements

- INSERT MAINTENANCE REQUIREMENTS FOR THE POLLUTION PREVENTION PRACTICE

[Repeat as needed.]

5.5.5 Construction and Domestic Waste

(Note: Examples include packaging materials, scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.)

General

- CONSTRUCTION DEBRIS WILL BE THROWN IN ON SITE DUMPSTERS.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description
- SUBCONTRACTORS WILL BE INSTRUCTED AND REQUIRED TO EITHER REMOVE THEIR CONSTRUCTION DEBRIS FROM THE HOUSE AND EXTERIOR OR THROW MATERIAL IN THE ON-SITE DUMPSTER.

Maintenance Requirements
THE BUILDING SUPERINTENDENT WILL INSPECT THE SITE DAILY AND DIRECT THAT CONSTRUCTION DEBRIS ARE COLLECTED AND DISPOSED OF CORRECTLY.

Installation – Summer 2013

[Repeat as needed.]

5.5.6 Sanitary Waste

General
- NOT ALLOWED ON SITE.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description -APPROVED PORTABLE TOILETS WILL BE INSTALLED ON SITE

Installation – WEEKLY INSPECTION BY SITE TOILET COMPANY. PUMP ON A REGULAR BASIS.

Maintenance Requirements - INSERT MAINTENANCE REQUIREMENTS FOR THE POLLUTION PREVENTION PRACTICE

[Repeat as needed.]

5.6 Washing of Applicators and Containers used for Paint, Concrete or Other Materials

Instructions (see CGP Parts 2.3.3.4 and 7.2.11):
- Describe how you will comply with the CGP Part 2.3.3.4 requirement to "provide an effective means of eliminating the discharge of water from the washout and cleanout of stucco, paint, concrete, form release oils, curing compounds, and other construction materials."
- Also, see EPA's *Concrete Washout BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/concrete_wash

General - NOT ALLOWED TO BE WASHED ON SITE.

Pollution Prevention Practices

Pollution Prevention Practice # 1 – PAINT BRUSHES AND EMPTY PAINT CANS WILLBE REMOVED BY PAINTER ON A DAILY BASIS

Installation
- FALL OF 2013

Maintenance Requirements – SITE BUILDING SUPERINTENDENT WILL MONITOR SUBCONTRACTOS ON DAILY BASIS.

[Repeat as needed.]

5.7 Fertilizers

Instructions (CGP Parts 2.3.5 and 7.2.11):

Describe how you will comply with the CGP Part 2.3.5 requirement to "minimize discharges of fertilizers containing nitrogen or phosphorus"

General – FERTILIZERS GENERALLY NOT USED ON SITE.

Specific Pollution Prevention Practices

Pollution Prevention Practice # 1
Description
- INSERT DESCRIPTION OF PRACTICE TO BE INSTALLED
- IF APPLICABLE INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation
- INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements
- INSERT MAINTENANCE REQUIREMENTS FOR THE POLLUTION PREVENTION PRACTICE

[Repeat as needed for individual fertilizer practices.]

5.8 Other Pollution Prevention Practices – NA-

Instructions:

Describe any additional pollution prevention practices that do not fit into the above categories.

SECTION 6: INSPECTION AND CORRECTIVE ACTION

6.1 Inspection Personnel and Procedures

Instructions (see CGP Parts 2.1.1.4, 2.3.2, 3.3.2, 4, 5, and 7.2.12):

Describe the procedures you will follow for conducting inspections in accordance with CGP Parts 2.1.1.4, 2.3.2, 3.3.2, 4, 5, and 7.2.12.

Personnel Responsible for Inspections

DANNY NORMYLE, SITE CONSTRUCTION MANAGER – DAILY; A.RICK GENUARIO , PRODUCTION MANAGER/VP, WEEKLY; LOUIS V.GENUARIO, PRESIDENT, RLD, EVERY TWO WEEKS TO MONTHLY.

Note: All personnel conducting inspections must be considered a "qualified person." CGP Part 4.1.1 clarifies that a "qualified person" is a person knowledgeable in the principles and practices of erosion and sediment controls and pollution prevention, who possesses the skills to assess conditions at the construction site that could impact stormwater quality, and the skills to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.

Inspection Schedule

AS NOTED ABOVE FOR EACH PERSON.

Rain Gauge Location (if applicable)

SPECIFY LOCATION(S) OF RAIN GAUGE TO BE USED FOR DETERMINING WHETHER A RAIN EVENT OF 0.25 INCHES OR GREATER HAS OCCURRED (only applies to inspections conducted for Part 4.1.2.2, 4.1.3, or 4.1.4.2)

Reductions in Inspection Frequency (if applicable)

- For the reduction in inspections resulting from stabilization: SPECIFY (1) LOCATIONS WHERE STABILIZATION STEPS HAVE BEEN COMPLETED AND (2) DATE THAT THEY WERE COMPLETED

  (Note: It is likely that you will not be able to include this in your initial SWPPP. If you qualify for this reduction (see CGP Part 4.1.4.1), you will need to modify your SWPPP to include this information.)

- For the reduction in inspections in arid, semi-arid, or drought-stricken areas: INSERT BEGINNING AND ENDING DATES OF THE SEASONALLY-DEFINED ARID PERIOD FOR YOUR AREA OR THE VALID PERIOD OF DROUGHT

- For reduction in inspections due to frozen conditions: INSERT BEGINNING AND ENDING DATES OF FROZEN CONDITIONS ON YOUR SITE

Inspection Report Forms

INSERT COPY OF ANY INSPECTION REPORT FORMS YOU WILL USE HERE OR IN APPENDIX D

6.2 Corrective Action

Instructions (CGP Parts 5 and 7.2.12):

- NOTIFY BUILDING SUBCONTRACTORS TO PROMPTLY REMOVE DEBRIS OR PLACE DEBRIS IN DUMPSTER BY THE START OF THE NEXT DAY.

Personnel Responsible for Corrective Actions

FOR SITE DEVELOPMENT WORK, DANNY NORMYLE – CONSTRUCTION MANAGER; FOR BUILDING CONSTRUCTION, CHRIS WINTERS OF NVR HOMES.

Corrective Action Forms

E-MAILS

6.3 Delegation of Authority

Instructions:

- Identify the individual(s) or positions within the company who have been delegated authority to sign inspection reports.
- Attach a copy of the signed delegation of authority (see example in Appendix J of the Template.
- For more on this topic, see Appendix I, Subsection 11 of EPA's CGP.

Duly Authorized Representative(s) or Position(s):

Insert Company or Organization Name: GENUARIO PROPERTIES, INC.
Insert Name: DANNY NORMYLE
Insert Position: CONSTRUCTION MANAGER
Insert Address: 8400 RADFORD AVENUE, SUITE 200
Insert: ALEXANDRIA, VA 22309
Insert Telephone Number: 703-360-3134
Insert Fax/Email: DNORMYLE@GENUARIOCOMPANIES.COM

Insert Company or Organization Name: GENUARIO PROPERTIES, INC.
Insert Name: A.RICK GENUARIO
Insert Position: PRODUCTION MANAGER/VP
Insert Address: 8400 RADFORD AVENUE, SUITE 200
Insert: ALEXANDRIA, VA 22309
Insert Telephone Number: 703-360-3134
Insert Fax/Email: RICK@GENUARIOCOMPANIES.COM

SECTION 7: TRAINING

Instructions (see CGP Part 6 and 7.2.13):

- Complete the table below to provide documentation that the personnel required to be trained in CGP Part 6 completed the appropriate training
- If personnel will be taking course training (which is not required as part of the CGP), consider using Appendix I to track completion of this training
- The following personnel, at a minimum, must be receive training, and therefore should be listed out individually in the table below:
  - ✓ Personnel who are responsible for the design, installation, maintenance, and/or repair of stormwater controls (including pollution prevention measures);
  - ✓ Personnel responsible for the application and storage of treatment chemicals (if applicable);
  - ✓ Personnel who are responsible for conducting inspections as required in Part 4.1.1; and
  - ✓ Personnel who are responsible for taking corrective actions as required in Part 5.
- CGP Part 6 requires that the required personnel must be trained to understand the following if related to the scope of their job duties:
  - ✓ The location of all stormwater controls on the site required by this permit, and how they are to be maintained;
  - ✓ The proper procedures to follow with respect to the permit's pollution prevention requirements; and
  - ✓ When and how to conduct inspections, record applicable findings, and take corrective actions.

Table 7-1: Documentation for Completion of Training

Name	Date Training Completed
INSERT NAME OF PERSONNEL HERE	INSERT COMPLETION DATE HERE
INSERT NAME OF PERSONNEL HERE	INSERT COMPLETION DATE HERE

SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions (CGP Appendix I, Part I.11.b):

- The following certification statement must be signed and dated by a person who meets the requirements of Appendix I, Part I.11.b.
- This certification must be re-signed in the event of a SWPPP Modification.

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: Louis V. Genuario, Jr. Title: Pres/GPI

Signature:  Date: 02/01/13

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps: A.1 –Site Development Plan ; A.2 – Phase I E&S Plan; and A.3 – Phase II E & S Plan

Appendix B – Copy of 2012 CGP

Appendix C – NOI and EPA Authorization Email

Appendix D – Inspection Form

(Note: EPA is in the process of developing a sample inspection form for use by CGP permittees. The form will be made available at http://cfpub.epa.gov/npdes/stormwater/cgp.cfm.)

Appendix E – Corrective Action Form

Appendix F – SWPPP Amendment Log

Appendix G – Subcontractor Certifications/Agreements

Appendix H – Grading and Stabilization Activities Log

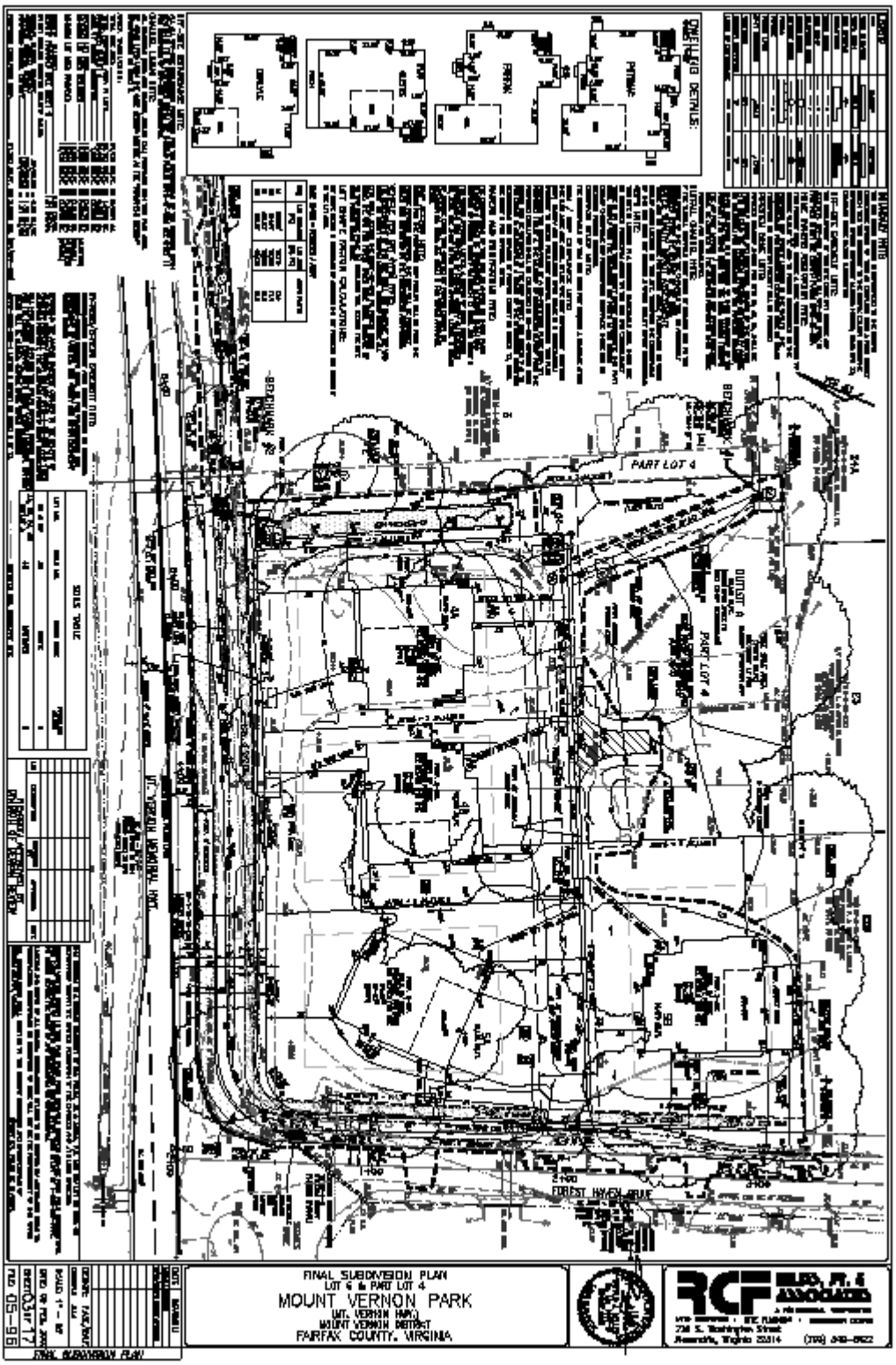
Appendix I – Training Log

Appendix J – Delegation of Authority

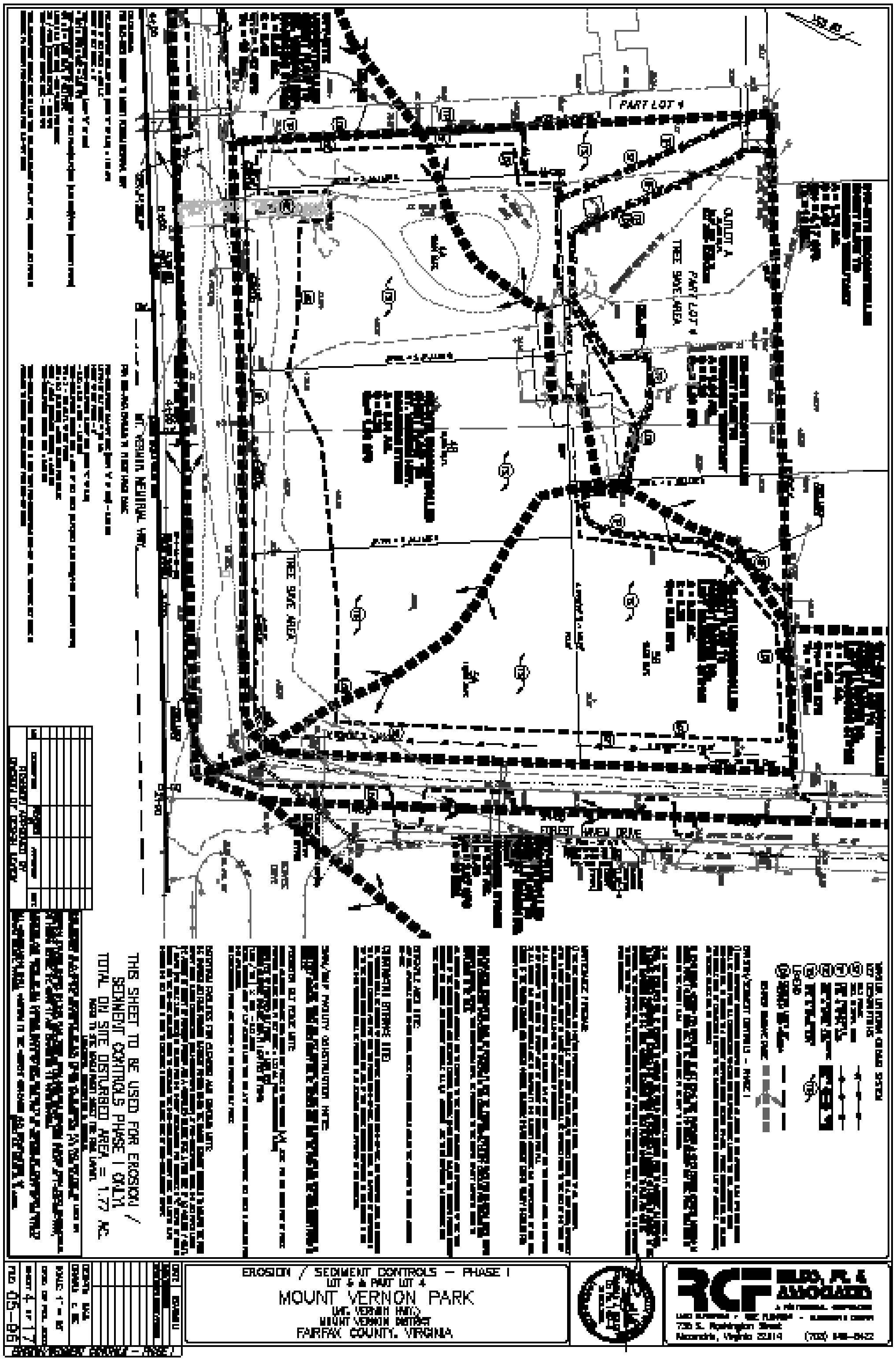
Appendix K – Endangered Species Documentation

Appendix L – Historic Preservation Documentation

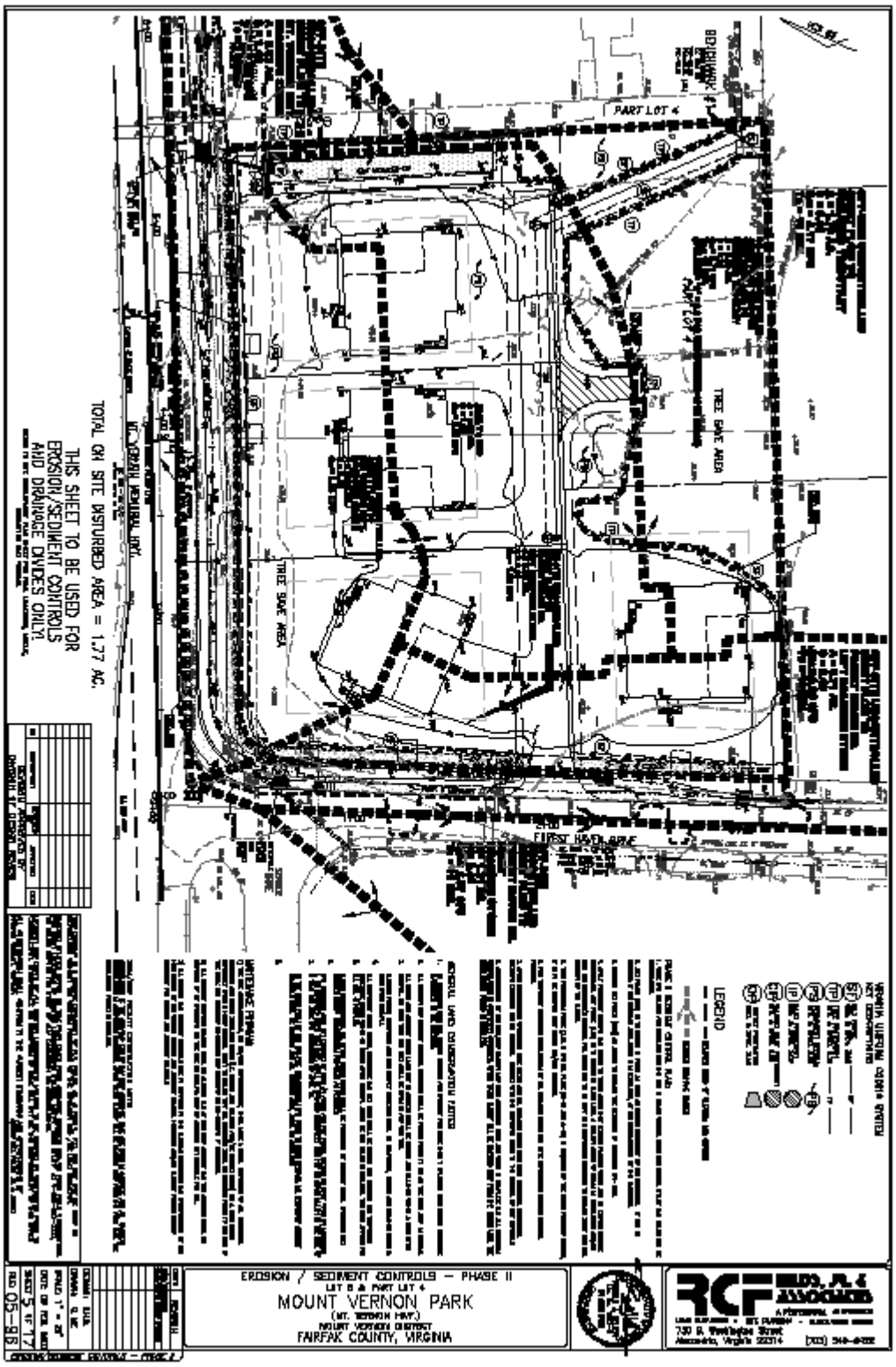
Appendix A.1 – Site Development Plan for Mount Vernon Park



Appendix A.2 – Phase I E&S Controls for Mount Vernon Park


PART LOT 4
OUTLOT A
TREE SAVE AREA
MT. VERNON MEMORIAL HWY.
THIS SHEET TO BE USED FOR EROSION / SEDIMENT CONTROLS PHASE I ONLY.
TOTAL ON SITE DISTURBED AREA = 1.77 AC.
EROSION / SEDIMENT CONTROLS – PHASE I
LOT 4 & PART LOT 4
MOUNT VERNON PARK
MOUNT VERNON DISTRICT
FAIRFAX COUNTY, VIRGINIA
RCF
FED 05-06

Appendix A.3 – Phase II E&S Controls for Mount Vernon Park



Appendix B – Copy of 2012 CGP

INSERT COPY OF 2012 CGP

Appendix C – Copy of NOI and EPA Authorization email

NOT OBTAINABLE FOR VIRGINIA

Appendix D – Copy of Inspection Form

General Information	
Inspector Name, Title & Contact Information	Danny Normyle, Constr. Manager
Present Phase of Construction	
Inspection Location	[If multiple inspections are required for this project, specify location where this inspection is being conducted complete additional forms for each location.]

Inspection Frequency *(Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply.)*

Standard Frequency: ☐ Weekly ☐ Every 14 days and within 24 hours of a 0.25" rain

Increased Frequency: ☐ Every 7 days and within 24 hours of a 0.25" rain (for areas of sites discharging to sediment or nutrient-impaire waters designated as Tier 2, Tier 2.5, or Tier 3)

Reduced Frequency:

- ☐ Once per month (for stabilized areas)
- ☐ Once per month and within 24 hours of a 0.25" rain (for arid, semi-arid, or drought-stricken areas during seasonally dry per drought)
- ☐ Once per month (for frozen conditions where earth-disturbing activities are being conducted)

Was this inspection triggered by a 0.25" storm event? ☐ Yes ☐ No

If yes, how did you determined whether a 0.25" storm event has occurred?

☐ Rain gauge on site ☐ Weather station representative of site. Specify weather station source: [Enter the source for your weathe data.]

Total rainfall amount that triggered the inspection: [Specify rainfall amount (in inches)]

Unsafe Conditions for Inspection

Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? ☐ Yes ☐ No

If "yes", complete the following:

- Describe the conditions that prevented you from conducting the inspection in this location: [Provide short description of preventing the inspection.]
- Location where conditions were found: [Specify location(s) on the site where unsafe conditions were found.]

Condition and Effectiveness of Erosion and Sediment (E&S) Controls (CGP Part 2.1)				
Type/Location of E&S Control [add add'l rows if applicable]	**Repairs or Other Maintenance Needed?***	**Corrective Action Required?***	**Date on Which Maintenance or Corrective Action First Identified?**	**Notes**
1. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
2. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
3. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
4. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
5. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
6. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
7. [E&S control] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
8. [E&S control] [Location]				
9. [E&S control] [Location]				
10. [E&S control] [Location]				

Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. he permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are ot operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A equired stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 nd/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough or the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited ischarges in Part 2.3.1 is occurring or has occurred; or 4) EPA requires corrective actions as a result of a permit violation found

during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/npdes/stormwater/swppp. See Part 5 of the permit for more information.

Condition and Effectiveness of Pollution Prevention (P2) Practices (CGP Part 2.3)

Type/Location of P2 Practices [insert additional rows if applicable]	Repairs or Other Maintenance Needed?	Corrective Action Required?	Date on Which Maintenance or Corrective Action First Identified?	Notes
1. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
2. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
3. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
4. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
5. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
6. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
7. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
8. [P2 practice] [Location]	☐Yes ☐No	☐Yes ☐No	[Enter date]	[Enter notes here]
9. [P2 practice] [Location]				
10. [P2 practice] [Location]				

Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are not operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited discharges in Part 2.3.1 is occurring or has occurred; or) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/npdes/stormwater/swppp. See Part 5 of the permit for more information.

Stabilization of Exposed Soil (CGP Part 2.2)			
Stabilization Area [insert additional rows if applicable]	**Stabilization Method**	**Have You Initiated Stabilization?**	**Notes**
1. [Specific location that has been stabilized or to be stabilized]	[Specify type of stabilization]	☐ YES [Enter date] ☐ NO	[Enter notes here]
2. [Specific location that has been stabilized or to be stabilized]	[Specify type of stabilization]	☐ YES [Enter date] ☐ NO	[Enter notes here]
3. [Specific location that has been stabilized or to be stabilized]	[Specify type of stabilization]	☐ YES [Enter date] ☐ NO	[Enter notes here]
4. [Specific location that has been stabilized or to be stabilized]	[Specify type of stabilization]	☐ YES [Enter date] ☐ NO	[Enter notes here]
5. [Specific location that has been stabilized or to be stabilized]	[Specify type of stabilization]	☐ YES [Enter date] ☐ NO	[Enter notes here]

Description of Discharges (CGP Part 4.1.6.6)

Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? ☐ Yes ☐ No

If "yes", provide the following information for each point of discharge:

Discharge Location [insert additional discharge locations if applicable]	**Observations**
1. [Specify locations on the site where a discharge is occurring.]	Describe the discharge: [Enter text here.] At points of discharge and the channels and banks of surface waters in the immediate vicin any visible signs of erosion and/or sediment accumulation that can be attributed to your dis Yes ☐ No If yes, describe what you see, specify the location(s) where these conditions were found, ar whether modification, maintenance, or corrective action is needed to resolve the issue: [En
1. [Specify locations on the site where a discharge is occurring.]	Describe the discharge: [Enter text here.] At points of discharge and the channels and banks of surface waters in the immediate vicin any visible signs of erosion and/or sediment accumulation that can be attributed to your dis Yes ☐ No If yes, describe what you see, specify the location(s) where these conditions were found, ar whether modification, maintenance, or corrective action is needed to resolve the issue: [En

Contractor or Subcontractor Certification and Signature

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in acc
with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based c
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 sign
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

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in acc
with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based c
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 sign
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: _____

Appendix E – Copy of Corrective Action Form

Section A – Initial Report (CGP Part 5.4.1)
(Complete this section within 24 hours of discovering the condition that triggered corrective action)

Date problem first discovered: [Enter date]

Time discovered: [Enter time]

Name and contact information of individual completing this form: [Enter the individual's name, title, and contact information (company name, address, email, and phone).]

What site conditions triggered the requirement to conduct corrective action *(check the box that applies)*:

- ☐ A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3
- ☐ The stormwater controls that have been installed and maintained are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1 of the permit
- ☐ A Part 2.3.1 prohibited discharge has occurred or is occurring
- ☐ EPA requires corrective action as a result of permit violations found during an EPA inspection carried out under Part 4.2

Provide a description of the problem: [Provide description of the specific problem that triggered the need for corrective action, and the specific location where it was found. If you have already provided this explanation in an inspection report, you can refer to that report.]

Deadline for completing corrective action: [Enter date that is either: (1) no more than 7 calendar days after the date you discovered the problem, or (2) if it is infeasible to complete work within the first 7 days, enter the date that is as soon as practicable following the 7th day.]

If your estimated date of completion falls after the 7-day deadline, explain (1) why you believe it is infeasible to complete work within 7 days, and (2) why the date you have established for making the new or modified stormwater control operational is the soonest practicable timeframe: [Enter text here]

Section B – Corrective Action Progress (CGP Part 5.4.2)
(Complete this section no later than 7 calendar days after discovering the condition that triggered corrective action)

Section B.1 – Why the Problem Occurred

Cause(s) of Problem (insert additional rows if applicable)	How This Was Determined and the Date You Determined the Cause
1. [State what you determined to be the cause of the problem]	[Specify what you did to come to your conclusion] [Enter date]
2. [State what you determined to be the cause of the problem]	[Specify what you did to come to your conclusion] [Enter date]

Section B.2 – Stormwater Control Modifications to be Implemented to Correct the Problem

List of Stormwater Control Modification(s) Needed to Correct Problem (insert additional rows if applicable)	Date of Completion	SWPPP Update Necessary?	Notes
1. [Specific modification to be implemented]	[Enter date]	☐Yes ☐No [If yes, specify date SWPPP modified]	[Enter text here]
2. [Specific modification to be implemented]	[Enter date]	☐Yes ☐No [If yes, specify date SWPPP modified]	[Enter text here]

Section C – Certification and Signature (CGP Part 5.4.3)

Section C.1 – Certification and Signature by Contractor or Subcontractor

"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."

Signature of Contractor or Subcontractor: _____ **Date:**

Printed Name and Affiliation: _____

Section C.2 – Certification and Signature by Permittee

"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."

Signature of Permittee or "Duly Authorized Representative": _____ **Date:**

Printed Name and Affiliation: _____

Appendix F – *Sample* SWPPP Amendment Log

Instructions (see CGP Part 7.4):

- Create a log here of changes and updates to the SWPPP. You may use the table below to track these modifications.
- SWPPP modifications are required pursuant to CGP Part 7.4.1 in the following circumstances:
  - ✓ Whenever new operators become active in construction activities on your site, or you make changes to your construction plans, stormwater control measures, pollution prevention measures, or other activities at your site that are no longer accurately reflected in your SWPPP;
  - ✓ To reflect areas on your site map where operational control has been transferred (and the date of transfer) since initiating permit coverage;
  - ✓ If inspections or investigations determine that SWPPP modifications are necessary for compliance with this permit;
  - ✓ Where EPA determines it is necessary to impose additional requirements on your discharge; and
  - ✓ To reflect any revisions to applicable federal, state, tribal, or local requirements that affect the stormwater control measures implemented at the site.
- If applicable, if a change in chemical treatment systems or chemically-enhanced stormwater control is made, including use of a different treatment chemical, different dosage rate, or different area of application.

No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

Appendix G –Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number:

Project Title: MOUNT VERNON PARK

Operator(s): NEW WORLD DEVELOPMENT

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: NEW WORLD DEVELOPMENT

Address: **1725 I Street, Suite 300, Washington, DC 20006**

Telephone Number: **202-349-1110**

Type of construction service to be provided: **SITE DEVELOPMENT**

Signature: _____

Title: _____

Date: SEE CONTRACT DATED 02/18/13

Appendix G –Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number:

Project Title: MOUNT VERNON PARK

Operator(s): B & W EXCAVATING

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: B & W EXCAVATING

Address: **PO BOX 763 Haymarket, Virginia 20168**

Telephone Number: **(703) 631-0505**

Type of construction service to be provided: **SITE DEVELOPMENT**

Signature: _____

Title: _____

Date: SEE CONTRACT DATED 02/01/13

Appendix H – Grading and Stabilization Activities Log

Date Grading Activity Initiated	**Description of Grading Activity**	**Description of Stabilization Measure and Location**	**Date Grading Activity Ceased** (Indicate Temporary or Permanent)	**Date When Stabilization Measures Initiated**

Appendix I – SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- ❑ **Sediment and Erosion Controls**
- ❑ **Emergency Procedures**
- ❑ **Stabilization Controls**
- ❑ **Inspections/Corrective Actions**
- ❑ **Pollution Prevention Measures**

Specific Training Objective:_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		

Appendix J – Delegation of Authority Form

Delegation of Authority

I, **Louis V. Genuario, Jr.,** 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 **Mount Vernon Park** construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

Danny Normyle/Project Manager
Genuario Properties, Inc
8400 Radford Avenue, Suite 200
Alexandria, VA 22309
703-360-3134

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: **Louis V. Genuario, Jr.**

Company: **Genuario Properties, Inc.**

Title: **President**

Signature: 

Date: **02/01/13**

Appendix K – Endangered Species Documentation

IPaC - Information, Planning, and Conservation System
Endangered Species Act Species List (USFWS Endangered Species Program), found at:
http://ecos.fws.gov/ipac/wizard/trustResourceList!prepare.action

Appendix L – Historic Properties Documentation

FAIRFAX COUNTY WEBSITE PUBLIC PROPERTY DATA

MAP #: 1101 06 0004

GPI-MOUNT VERNON PARK LLC **4411 MOUNT VERNON MEMORIAL HWY**

Owner

Name	GPI-MOUNT VERNON PARK LLC,
Mailing Address	8400 RADFORD AVE SUITE 200 ALEXANDRIA VA 22309
Book	20334
Page	0392

Parcel

Property Location	4411 MOUNT VERNON MEMORIAL HWY
Map #	1101 06 0004
Tax District	60000
District Name	MT VERNON
Land Use Code	Single-family, Detached
Land Area (acreage)	.9865
Land Area (SQFT)	
Zoning Description	R-2(Residential 2 DU/AC)
Utilities	WATER CONNECTED SEWER CONNECTED GAS AVAILABLE
County Historic Overlay District	NO For further information about Historic Overlay Districts, CLICK HERE
Street/Road	PAVED
Site Description	BUILDABLE-AVERAGE LOT

Legal Description

Legal Description	MOUNT VERNON PARK PT LT 4