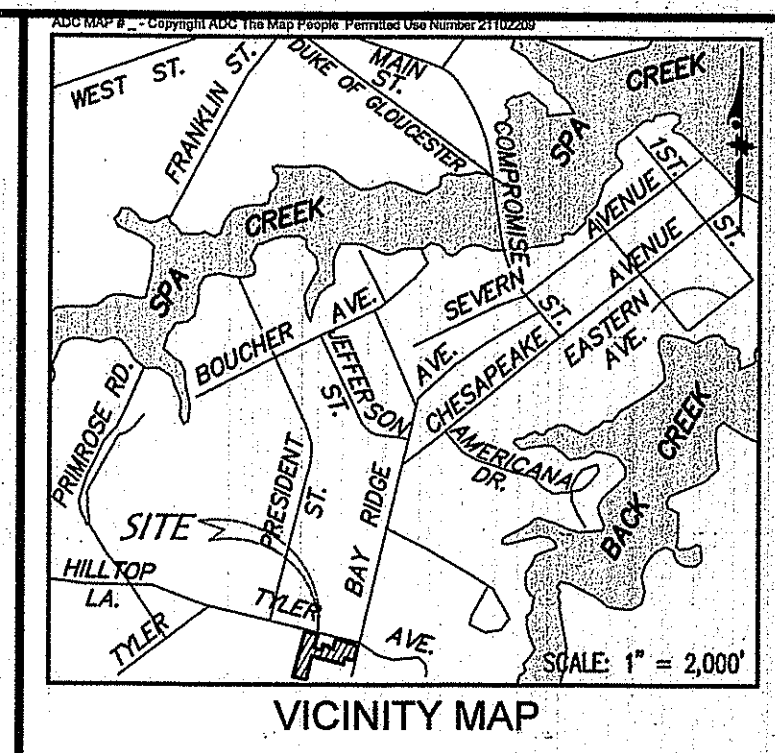
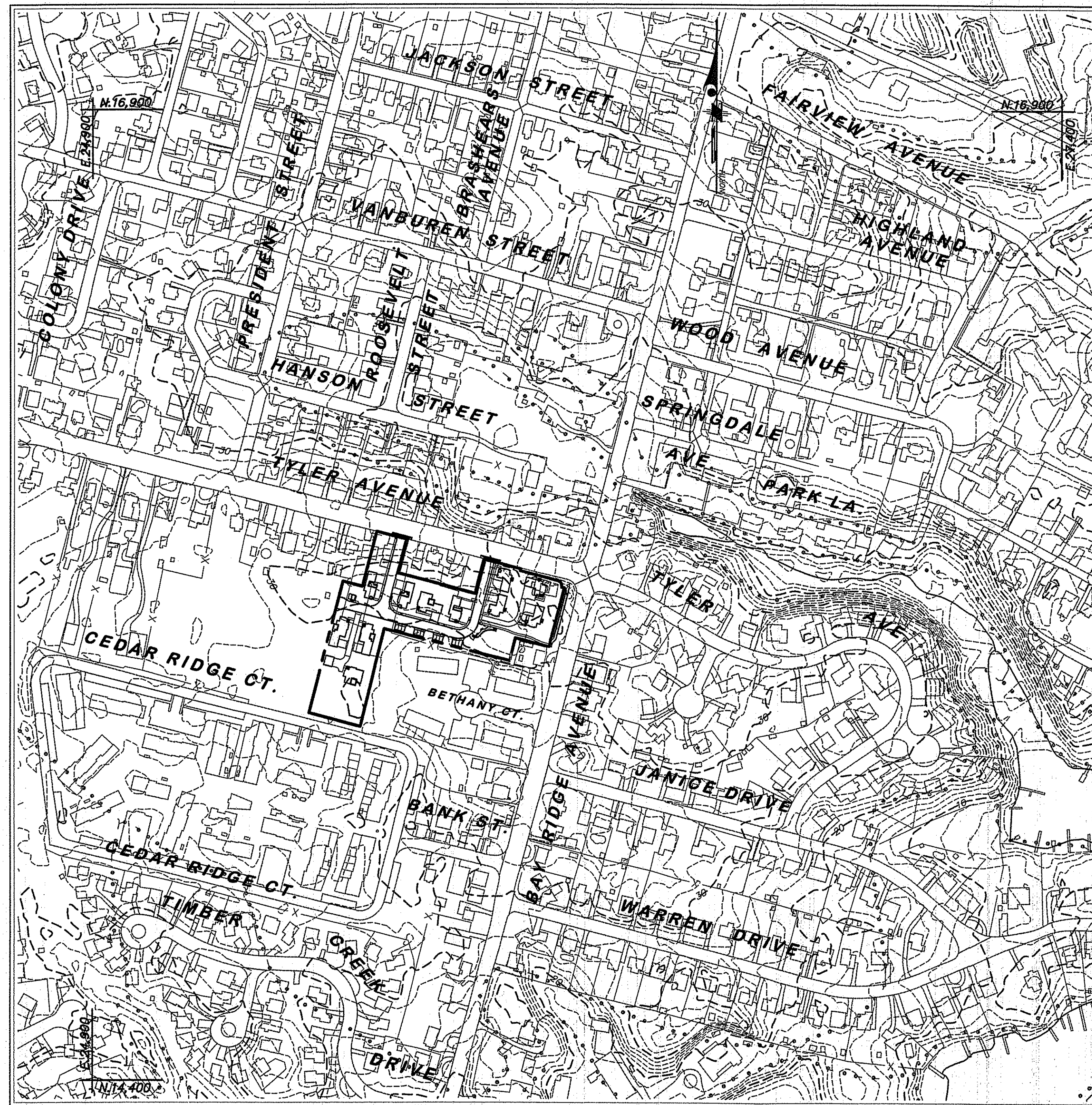


**SEQUENCE OF CONSTRUCTION**

- Phase 1**
- Obtain the necessary permits. Conduct a pre-construction meeting. Notify the City of Annapolis Department of Public Works (410) 263-7949 at least 48 hours before commencing work. Work may not commence until the permittee or responsible personnel have met on-site with the Sediment and Erosion Control Inspector to review the approved plans..... 1 day
  - Clear the minimum necessary to install Stabilized Construction Entrances and all sediment controls as shown on plan. No clearing or grading is to be done except where necessary for the installation of sediment controls..... 2 days
  - Obtain inspector's approval of installed perimeter controls prior to commencing phase 1 site work. The City of Annapolis Department of Public Works may require an inspection and certification of the installation of sediment controls also be performed by a design professional prior to construction commencing..... 1 day
  - Clear, grub, and rough grade only as shown on the phase 1 Grading & Sediment Control plan. Haul all debris to an approved site. Provide temporary or permanent vegetative stabilization to disturbed areas as appropriate throughout phase 1..... 1 week
  - Install Storm Drain from HW-101 to existing storm drain manhole #13 as shown in phase 1 only. Storm Drain pipe to act as a Clear Water Diversion device to convey upstream off-site runoff through the site. Install type-B Standard Inlet Protection around inlets 101, 103, 104 and 105 as they're constructed. Install Super Silt Fence around each inlet protection for layered sediment filtering. Stabilize areas upstream of each inlet as they're constructed. Stub out manholes 102 and 103 for future connections; ensure stub-plugs are watertight..... 2 weeks
  - Traffic control for the installation of storm drain in Bay Ridge Avenue shall be in accordance with the traffic maintenance plan. Bay Ridge Avenue shall be milled and overlaid in accordance with the utility patch note on the plans..... 1 week
  - Sediment is to be prevented from entering the storm drain system at all times. Inlet protection shall be inspected after each rain event, and a minimum of once a week. Remove sediment build-up and maintain functionality of inlet protection at all times during construction..... Ongoing
  - Obtain first phase approval by inspector prior to proceeding to phase 2 of construction. The Department of Public Works may require that an inspection and certification of the installation of sediment controls also be performed by a design professional prior to commencing phase 2..... 1 day
- Phase 2**
- Expand limit of disturbance as shown on the phase 2 Grading & Sediment Control plan. Install additional reinforced silt fence and 12-inch filter log as shown..... 2 days
  - Obtain inspector's approval of installed phase 2 perimeter controls prior to commencing phase 2 site work. The City of Annapolis Department of Public Works may require an inspection and certification of the installation of sediment controls also be performed by a design professional prior to construction commencing..... 1 day
  - Clear and rough grade only as shown on the phase 2 Grading & Sediment Control plan. Provide temporary or permanent vegetative stabilization to disturbed areas as appropriate throughout phase 2..... 1 week
  - Grade public road areas and parking to subgrade. Install private access drive for lots 1 & 10, and private access drive for lots 7, 8, & 9 to subgrade. .... 2 weeks
  - Install remaining storm drain utilities, including 6" PVC stubs to future private stormwater management facilities. Install Standard or At-Grade Inlet protection for each inlet as they're constructed. Install Super Silt Fence around inlet 102..... 2 weeks
  - Sediment is to be prevented from entering the storm drain system at all times. Inlet protection shall be inspected after each rain event, and a minimum of once a week. Remove sediment build-up and maintain functionality of inlet protection at all times during construction..... Ongoing
  - Install water and sewer utilities..... 2 weeks
  - Install curb and gutter, and base course for paved areas. Construct reinforced turf parking areas. Turf parking areas are to be protected from heavy construction traffic after construction..... 2 weeks
  - Once upstream areas are 95% stabilized, install Stormwater Management facilities as shown on the phase 2 Grading & Sediment Control plan. The engineer must be present to observe and certify the installation of each facility. Upon completion of each device, sediment is to be prevented from entering; wrap each device in 12" Filter Log. Inlet protection shall remain where construction of future lot improvements will disturb areas upstream of a device..... 2 weeks
  - Submerged Gravel Wetland #1 shall be constructed last. Upon completion of SGW-1, install reinforced silt fence wherever sediment-laden construction runoff might enter the device..... 1 week
  - Obtain second phase approval by inspector prior to proceeding to phase 3 of construction. The Department of Public Works may require that an inspection and certification of the installation of sediment controls also be performed by a design professional prior to commencing phase 3..... 1 day
- Phase 3**
- Phase 3 is for construction of individual lot improvements. Lots may be developed in any order. Install Sediment and Erosion Controls for each lot in accordance with the typical single-lot controls exhibit shown on Sheet 6. .... 120 days
  - For each lot, clear the minimum necessary to install Stabilized Construction Entrance and all perimeter controls as shown on phase 3 Grading & Sediment Control plan. No clearing or grading is to be done except where necessary for the installation of sediment controls..... 1 day
  - For each lot, obtain inspector's approval of installed sediment controls prior to commencing lot development. The City of Annapolis Department of Public Works may require an inspection and certification of the installation of sediment controls also be performed by a design professional prior to construction commencing..... 1 day
  - For each lot, clear, grub, and rough grade as shown within the limit of disturbance. Haul all debris to an approved site. Provide temporary or permanent stabilization to disturbed areas as appropriate throughout phase 3..... 1 week
  - For each lot, construct proposed foundation and associated improvements. Construction of the first floor walls of any building may not proceed until the foundation has been backfilled and all disturbed areas within the limits of disturbance have been permanently or temporarily stabilized. A certificate is to be provided by the engineer to the inspector verifying the grades and drainage patterns shown on the approved erosion and sediment control plan have been obtained..... 2 weeks
  - For each lot, once the site is stabilized, with the inspector's approval, framing may commence above the ground floor. During building construction beyond the ground floor, all disturbed areas must be stabilized at the end of each business day. All areas are to be vegetatively stabilized per the Anne Arundel Soil Conservation District's Details and Specifications for Vegetative Establishment..... 120 days
  - For each lot, once upstream areas are 95% stabilized, install SVM devices and plantings. Sediment is to be prevented from entering SVM systems during construction. The engineer must be present to observe and certify the installation of each facility..... 1 week
  - For each lot, fine grade and stabilize all disturbed and affected areas. Install driveway to final surface and stabilize access with CR-6 gravel or pavement from right-of-way to structure..... 2 days
  - Upon completion of construction and with inspector's approval, remove remaining sediment controls..... 1 day
  - Install bituminous surface course for Griscom Way and Hopkins Street..... 3 days
  - Maintenance..... Ongoing

# GRISCOM SQUARE

## SITE, GRADING & SEDIMENT CONTROL PLAN



- GENERAL NOTES**
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within:
    - Three calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes greater than three horizontal to one vertical (3:1).
    - Seven calendar days as to all other disturbed or graded areas on the project site.
  - Contact City of Annapolis DPW Sediment and Erosion Control Inspector at 410-263-7949 and the City's Environmentalist at 410-263-7946 to set up a pre-construction meeting. Contact the City of Annapolis Department of Public Works at 410-263-7479 at least 48 hours prior to commencing any work associated with the approved grading or building permit.
  - The owner/developer shall provide for regular inspections, certified by a registered professional engineer, to be conducted during construction of stormwater management systems in accordance with accepted design procedures.
  - A design engineer shall perform full-time inspection during the excavation and installation of infiltration systems.
  - The design engineer shall provide reproducible certified mylar as-built of stormwater management facilities and public improvements.
  - No trees shall be planted directly over storm, sewer, or water pipes. No trees shall be planted directly over any stormwater management device. No trees or shrubs shall be planted in any ditches, or swales.
  - All impervious areas of the site, including the entire area of the roof, parking area, and any other paved or gravelled surface, must drain to the stormwater management system. It is the responsibility of the owner or developer to insure that all roof downspouts and grading or underground piping are directed towards the stormwater management system. If any portion of the impervious surface does not drain to the stormwater management system, additional stormwater management will be required to manage that area.
  - Sediment control measures must be inspected and maintained regularly to insure that the intended purposes are accomplished.
  - All disturbed areas not intended for paving shall be seeded as per specifications on these plans.
  - Refer to USDA-Soil Conservation Service "2011 Standards and Specifications for Soil Erosion and Sediment Control" for standard details and detailed specifications of each practice specified herein.
  - With the approval of the sediment control inspector, minor field adjustment can and will be made to insure the control of any sediment. Changes in sediment control practices require prior approval of the sediment control inspector and the Anne Arundel Soil Conservation District.
  - At the end of each working day, all sediment control practices will be inspected and left in operational condition.
  - Any disturbed earth left idle for periods exceeding 7 days shall be stabilized according to temporary specifications.
  - Contractor to contact Miss Utility (1-800-257-7777) and the City of Annapolis Department of Public Works (410) 263-7946 prior to the start of work shown on these plans.
  - Dust control will be provided for all disturbed areas. Refer to USDA-Soil Conservation Service "2011 Standards and Specifications for Soil Erosion and Sediment Control" for acceptable methods and specifications for dust control.
  - Any variation from the sequence of operations stated on this plan requires the approval of the sediment control inspector and the Anne Arundel Soil Conservation District prior to the initiation of the change.
  - The existing utilities and obstructions shown are from the best available records and shall be verified by test pitting by the contractor before construction. Necessary precautions shall be taken by the Contractor to protect existing services and mains, and any damage to them due to his operations shall be repaired immediately at his own expense.
  - A CCTV inspection of all public sewer and house connection lines will be required at the final inspection. Please contact Mike Bunker at 410-263-7970 to schedule CCTV inspection witness.
  - Location and topography based on a survey by Drum, Loyka & Associates, LLC 2004. Bearings shown hereon are referred to the City of Annapolis coordinate system, using monument 18306, being a brass rod set in the back of curb at the intersection of Bay Ridge Avenue and Tyler Avenue, and monument 18307, being a brass rod set in the sidewalk near the intersection of Bay Ridge Avenue and Janice Drive.

**STANDARD RESPONSIBILITY NOTES**

- (We) certify that:
  - All development and construction will be done in accordance with this sediment and erosion control plan, and further, authorize the right of entry for periodic on-site evaluation by the Anne Arundel Soil Conservation District (AASCD) Board of Supervisors or their authorized agents.
  - Any responsible personnel involved in the construction project will have a certificate of attendance from the Maryland Department of the Environment's approved training program for the control of sediment and erosion before beginning the project.

Responsible personnel on site: \_\_\_\_\_

  - If applicable, the appropriate enclosure will be constructed and maintained on sediment basin(s) included in this plan. Such structure(s) will be in compliance with the Anne Arundel County Code.
  - The developer is responsible for the acquisition of all easements, right, and/or rights-of-way that may be required for the sediment and erosion control practices, storm water management practices and the discharge of storm water onto or across adjacent or downstream properties included in the plan.
  - For initial soil disturbance or re-disturbance, permanent and/or temporary stabilization per the AASCD Vegetative Establishment shall be completed within three calendar days for the surface of all controls, dikes, swales, ditches, perimeter slopes and all slopes greater than 3 horizontal to 1 vertical (3:1); and seven days for all other disturbed or graded areas on the project site.
  - The grading and sediment control approval on this plan extends only to those areas within the limits of disturbance.
  - The approval of this plan for sediment and erosion control does not relieve the developer/consultant from complying with Federal, State or County requirements pertaining to environmental issues.
  - The developer must request that the sediment and erosion control inspector approve work completed in accordance with the approved erosion and sediment control plan, the grading or building permit, and the ordinance.
  - All material shall be taken to a site with an approved sediment and erosion control plan.
  - Final phase inspection and approval of the sediment and erosion control inspector shall be required upon completion of the installation of erosion and sediment controls prior to proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until the initial approval by the sediment and erosion control inspector is given. Inspection and Permits may also require that an inspection and certification of the installation of sediment control also be performed by a design professional prior to construction commencing.
  - Approval from the inspector must be requested on final stabilization of all sites prior to removal of sediment and erosion controls.
  - Existing topography must be field verified by responsible personnel to the satisfaction of the sediment control inspector prior to commencing work.

Signature of Developer/Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: John Pilli  
 Title: Owner  
 Affiliation: Pilli Development Co. Inc.  
 Address: 100 Cathedral Street, Suite 2, Annapolis, MD 21401  
 Telephone Number: (443) 890-9070  
 Email Address: \_\_\_\_\_

**LOCATION PLAN**  
SCALE: 1" = 200'

**SITE TABULATIONS**

• Total Site Area:	133,060 S.F. (3.05 Ac.)
• Lots 1-12	72,679 S.F. (1.67 Ac.)
• 32' Public R-O-W	23,526 S.F. (0.54 Ac.)
• Private Road Esm't 'A'	2,190 S.F. (0.05 Ac.)
• Private Road Esm't 'B'	2,651 S.F. (0.06 Ac.)
• Open Space 'A'	1,985 S.F. (0.04 Ac.)
• Open Space 'B'	29,949 S.F. (0.69 Ac.)
• Site Zoning:	R-2
• Total Disturbed Area:	130,050 S.F. (2.99 Ac.)
• Impervious Area:	
• Total Existing Impervious Area:	5,825 S.F. (0.13 Ac.)
• Total Allowable Impervious Area:	N/A
• Total Proposed Impervious Area:	53,727 S.F. (1.23 Ac.)
• Predominant Soil Types:	Annapolis Urban-Land Complex (AuB, Type C)
• Earthwork:	
• Cut:	2,000 CY
• Fill:	1,450 CY
• Spill:	550 CY

**CONSULTANT'S CERTIFICATION**

The Developer's plan to control silt and erosion is adequate to contain the silt and erosion on the property covered by the plan. I certify that this plan of erosion and sediment control represents a practical and workable plan based on my personal knowledge of this site, and was prepared in accordance with the requirements of the AASCD Plan Submittal Guidelines and the current Maryland Standards and Specifications for Soil Erosion and Sediment Control. I have reviewed this erosion and sediment control plan with the owner/developer.

MD P.E. License # 18521  
 MD Land Surveyor License # \_\_\_\_\_  
 MD Landscape Architect # \_\_\_\_\_  
 Name: Michael M. Drum, P.E.  
 Firm Name: Drum, Loyka & Associates, LLC  
 Address: 1410 Forest Drive, Suite 35  
 City: Annapolis State: MD Zip Code: 21403

Signature: \_\_\_\_\_ Date: 2/20/18

**SHEET INDEX**

Sheet 1 - Cover Sheet
Sheet 2 - Existing Conditions
Sheet 3 - Site Development Plan
Sheet 4 - Grading & Sediment Control Plan: Phase 1
Sheet 5 - Grading & Sediment Control Plan: Phase 2
Sheet 6 - Grading & Sediment Control Plan: Phase 3
Sheet 7 - Site & Sediment Control Details
Sheet 8 - Storm Drain Drainage Area Map
Sheet 9 - Storm Drain Profiles
Sheet 10 - Storm Drain Profiles & Tabulations
Sheet 11 - Water & Sewer Profiles
Sheet 12 - Road Plans & Profiles
Sheet 13 - Traffic Control Plan
Sheet 14 - Soil Boring Logs
Sheet 15 - Stormwater Management Drainage Area Map
Sheet 16 - Stormwater Management Details
Sheet 17 - Stormwater Management Details
Sheet 18 - Forest Conservation Plan
Sheet 19 - Reforestation Planting Plan
Sheet 20 - Forest Conservation / Reforestation Details
Sheet 21 - Stormwater Management Planting Plans
Sheet 22 - Light, Signage & Striping Plan

**GRD16-003 REV 1402 BAY RIDGE AVE**

FILE COPY  
SEE COMMENTS  
PW-Copy  
Date 3/20/18  
City of Annapolis-DNEP

Anne Arundel Soil Conservation District  
Sediment and Erosion Control Approval  
AASCD # 2016-0429  
GP # GRD16-003

DESIGNED: WEB  
DRAWN: \_\_\_\_\_  
 ORIG. DATE: 08-31-06  
 MODIFIED BY/DATE: KLY/EW ~ 2014-15  
 CADD DWG #: BP12804  
 DLA PROJECT #: BP12804

**REVISIONS TO APPROVED PLANS**

No.	DATE	BY	DESCRIPTION

**Drum, Loyka & Associates, LLC**  
 CIVIL ENGINEERS - LAND SURVEYORS  
 1410 Forest Drive, Suite 35  
 Annapolis, Maryland 21403  
 Phone: 410-280-3122 • Fax: 410-280-1952  
 www.drumloyka.com

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, license no. 18521, expiration date: 12-05-19"

STATE OF MARYLAND  
MICHAEL M. DRUM  
PROFESSIONAL ENGINEER

**OWNER/DEVELOPER:**

**MR. JOHN PILLI**  
 C/O PILLI DEVELOPMENT CO. INC.  
 100 CATHEDRAL STREET, SUITE 2  
 ANNAPOLIS, MARYLAND 21401

**COVER SHEET**  
 SITE, GRADING & SEDIMENT CONTROL PLAN  
**GRISCOM SQUARE**  
 CITY OF ANNAPOLIS ~ GRD16-003  
 PARCELS 761-764  
 TAX MAP 15G GRID 7 PARCEL DISTRICT 6TH  
 ANNE ARUNDEL COUNTY, MARYLAND

SCALE: AS SHOWN DATE: FEB. 15, 2018 PROJ. NO: BP12804 SHEET 1 OF 22