

11/10/2023

5146 West Chalk Point Road

West River, MD 20778

To whom it may concern,

We are requesting a variance to allow a 5' high (4) strand barbed wire fence to be installed at the home of Mr. Robert Schapiro, located at 5146 West Chalk Point Road in West River Maryland. When this property was purchased in 05/2019, it was completely wooded and had been for years prior to the development and building of his home. Once the home was given permission to be occupied Mr. Schapiro was made aware of all of the homes that in some capacity were encroaching onto his property once a boundary survey was completed to mark the property so a fence could be installed. We applied for a permit and were approved then proceeded to install the fence. Upon a complaint from a neighbor, we were in violation because AACO wasn't aware of the barbed wire on the application.

There are 17 homes/lots that border his property to the North, South, and East (the west is waterfront land). Of these homes, almost all of these have used his land in some capacity. The majority for just dumping trash/brush, some even grading, installing fences, and had structures on his property. The majority of this was just trash and brush (leaves, trees, tree branches ect.) that all have been dumped behind everyone's homes, and into his front and side properties. This includes some trash and bulk items that were also dumped. One of the goals with the installation of this fence is to establish where the lines are and keep his property free from being used as a brush disposal area.

The fence also is intended to provide security for he and his family. With the size property, the location, and the orientation of where his home had to be constructed to meet the counties needs it is very remote. It is very easy to gain access from any of the adjoining properties virtually un-detected.

With the current positions he holds both in the military and civilian capacities, Mr. Schapiro is traveling for months at a time and has a very fluid schedule. His goal once this subsidies and gets back to a "normal" routine where is able to be at his home for extended periods of time would be acquire some wildlife (goats, chickens ect.). This fence would also be a boundary to keep the wildlife within the limits of his property and safe.

The majority of these properties already have their own existing fences. Some of these are correctly placed on the homeowners land, some are installed on Mr. Schapiro's property. Others have expressed interest to "piggy back" off of this fence so they don't have to spend the money to fence off that part of their yard. With the layout of the properties, the several parts of this fence would be installed anywhere from 10-40' off of the actual property line. This is in part due to the property being located in the critical area, with limits to the disturbance to the land and cutting of trees and foliage.

In closing, this is a rare situation for most people in both situations. Both Mr. Schapiro buying a 17 acre piece of land, behind over a dozen homes that have never had anything but woods behind them, as well as for the other landowners who now have another occupied property bordering them, that has never

been there and was nothing more than vacant woods. With the size of the property, how far set back the home is off of West Chalk Point Road, and the vast size of the wooded lot, this is not something that is a very usual situation in regards to a fence installation. The end goal is to keep the property safe from any wildlife inside and outside the area, as well as having a minimal footprint to not damage or interfere with any of the surrounding tree's. brush, and foliage ect.

Best Regards,

Jeremy Verhoef

All Around Fence LLC

443-623-3299

Jeremy@allaroundfenceanddecks.com

CRITICAL AREA COMMISSION
 CHESAPEAKE AND ATLANTIC COASTAL BAYS
 1804 WEST STREET, SUITE 100
 ANNAPOLIS, MD 21401

PROJECT NOTIFICATION APPLICATION

GENERAL PROJECT INFORMATION

Jurisdiction: Anne Arundel County

Date:

Tax Map #	Parcel #	Block #	Lot #	Section
69	266		64R	

FOR RESUBMITTAL ONLY

- Corrections
- Redesign
- No Change
- Non-Critical Area

*Complete Only Page 1
 General Project Information

Tax ID: 7051 - 0291 - 2053

Project Name (site name, subdivision name, or other) Schapiro Residence

Project location/Address 5146 West Chalk Point Road

City West River Zip 20778

Local case number

Applicant: Last name Verhoef First name Jeremy

Company All Around Fence

Application Type (check all that apply):

- | | |
|--|--|
| Building Permit <input type="checkbox"/> | Variance <input checked="" type="checkbox"/> |
| Buffer Management Plan <input type="checkbox"/> | Rezoning <input type="checkbox"/> |
| Conditional Use <input type="checkbox"/> | Site Plan <input type="checkbox"/> |
| Consistency Report <input type="checkbox"/> | Special Exception <input type="checkbox"/> |
| Disturbance > 5,000 sq ft <input type="checkbox"/> | Subdivision <input type="checkbox"/> |
| Grading Permit <input type="checkbox"/> | Other <input type="checkbox"/> |

Local Jurisdiction Contact Information:

Last name AACo Zoning Administration Section First name

Phone # 410-222-7437 Response from Commission Required By TBD

Fax # Hearing date TBD

SPECIFIC PROJECT INFORMATION

Describe Proposed use of project site:

Install 5' high, 4 Strand Barbed wire fence

Intra-Family Transfer
 Grandfathered Lot

Growth Allocation
 Buffer Exemption Area

Project Type (check all that apply)

Commercial
 Consistency Report
 Industrial
 Institutional
 Mixed Use
 Other

Recreational
 Redevelopment
 Residential
 Shore Erosion Control
 Water-Dependent Facility

SITE INVENTORY (Enter acres or square feet)

	Acres	Sq Ft	Total Disturbed Area	Acres	Sq Ft
IDA Area				0	0
LDA Area					
RCA Area	17.0100				
Total Area	17.0100				

0 # of Lots Created

	Acres	Sq Ft		Acres	Sq Ft
Existing Forest/Woodland/Trees	17		Existing Lot Coverage	17	
Created Forest/Woodland/Trees	0		New Lot Coverage	17	
Removed Forest/Woodland/Trees	0		Removed Lot Coverage	0	
			Total Lot Coverage	17	

VARIANCE INFORMATION (Check all that apply)

	Acres	Sq Ft		Acres	Sq Ft
Buffer Disturbance			Buffer Forest Clearing		
Non-Buffer Disturbance			Mitigation		

Variance Type

Buffer
 Forest Clearing
 HPA Impact
 Lot Coverage
 Expanded Buffer
 Nontidal Wetlands
 Setback
 Steep Slopes
 Other

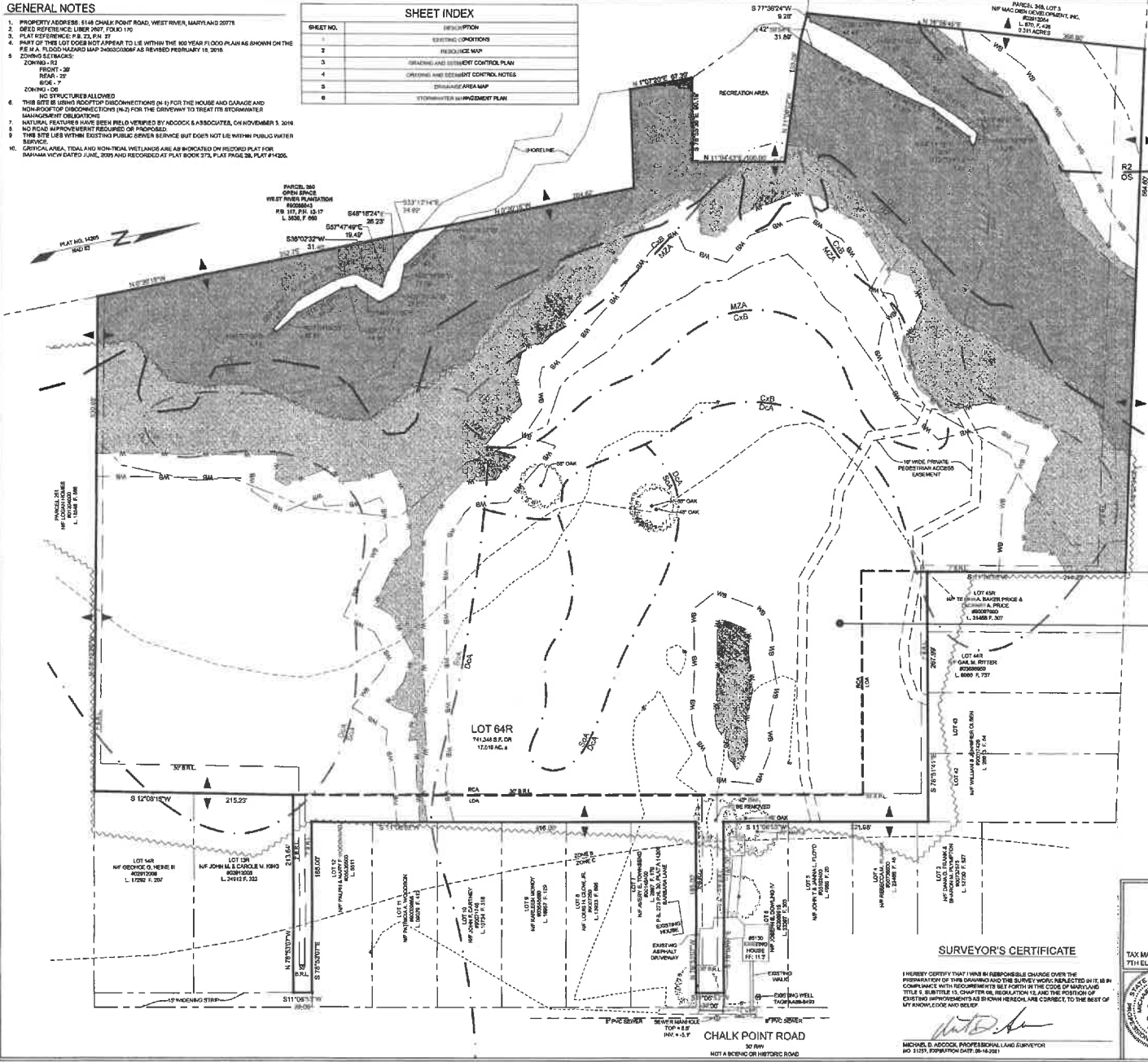
Structure

Acc. Structure Addition
 Barn
 Deck
 Dwelling
 Dwelling Addition
 Garage
 Gazebo
 Patio
 Pool
 Shed
 Other Fence

GENERAL NOTES

- PROPERTY ADDRESS: 5148 CHALK POINT ROAD, WEST RIVER, MARYLAND 20775
- GRID REFERENCE: UTM ZONE 18Q UTM 170
- PLAT REFERENCE: P.B. 23, P. 37
- PART OF THIS LOT DOES NOT APPEAR TO BE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE FE II A FLOOD HAZARD MAP 0400002004P AS REVISED FEBRUARY 18, 2010
- ZONING REGULATIONS:
 - ZONING: R-2
 - FLOOD: F-100
 - REAR: F-100
 - SOILS: R-2
 - ZONING CODE: R-2
- NO STRUCTURES ALLOWED
- THIS SITE IS UNDER EXISTING DISCONTINUOUS (D/C) FOR THE HOUSE AND GARAGE AND NON-ROOF TOP DISCONTINUOUS (N/D) FOR THE DRIVEWAY TO TREAT ITS STORMWATER MANAGEMENT OBLIGATIONS.
- NATURAL FEATURES HAVE BEEN FIELD VERIFIED BY ADCOCK & ASSOCIATES, ON NOVEMBER 5, 2010
- NO ROAD IMPROVEMENT REQUIRED OR PROPOSED
- THIS SITE LIES WITHIN EXISTING PUBLIC SEWER SERVICE BUT DOES NOT USE WITHIN PUBLIC WATER SERVICE.
- CRITICAL AREA, TIDAL AND NON-TIDAL WETLANDS ARE INDICATED ON RECORDS PLAT FOR BAHAMA VIEW DATED: JUNE, 2009 AND RECORDED AS PLAT BOOK 273, PLAT PAGE 30, PLAT #1202.

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	EXISTING CONDITIONS
2	RESIDENCE MAP
3	GRAVING AND SEDIMENT CONTROL PLAN
4	CRITICAL AND SENSITIVE CONTROL NOTES
5	DRAINAGE AREA MAP
6	STORMWATER MANAGEMENT PLAN



LEGEND

- EXISTING CONTOUR: --- GS ---
- EXISTING LINE: --- GS ---
- CRITICAL AREA: --- RCA ---
- TIDAL WETLANDS: --- TDA ---
- 100' TIDAL WETLANDS BUFFER: --- TDB ---
- NON-TIDAL WETLANDS: --- NDA ---
- 50' NON-TIDAL WETLANDS BUFFER: --- NDB ---
- SOILS: --- SA ---
- PROPOSED DRAINAGE GRADE: --- DG ---
- EXISTING TREE LINE: --- TL ---



STANDARD RESPONSIBILITY NOTE

- I (WE) CERTIFY THAT:
 - A. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS EROSION AND SEDIMENT CONTROL PLAN AND FURTHER AUTHORIZED THE RIGHT OF ENTRY FOR PERSONS ON SITE CALLING ON THE AGENCIES SOIL CONSERVATION AGENCY BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.
 - B. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.
- RESPONSIBLE PERSONNEL ON SITE: *Michael Adams*
- IF APPLICABLE, THE APPROPRIATE ENCLOSURE WILL BE CONSTRUCTED AND MAINTAINED ON SEDIMENT BASINS AS SHOWN IN THIS PLAN. SUCH STRUCTURES WILL BE IN COMPLIANCE WITH THE AGENCIES' PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES SHALL BE PROHIBITED.
- 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, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES AS SHOWN ON THIS PLAN.
- FOR FINAL SOIL DISTURBANCE OR RESTORATION PERFORMANCE ADVISORY TEMPORARY STABILIZATION FOR THE AGENCIES DETAILS AND SPECIFICATIONS FOR VERTICUTE EROSION CONTROL SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS FOR THE SURFACE OF ALL CONTROL, DRAIN, SWALES, DITCHES, PERIMETER EXPOSED AND ALL SLOPES GREATER THAN 1:1 HORIZONTAL TO 1 VERTICAL TO 1.5 HORIZONTAL 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/CONTRACTOR FROM COMPLYING WITH FEDERAL, STATE OR COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.
- THE DEVELOPER MUST FACILITATE THAT THE SEDIMENT AND EROSION CONTROL INSPECTOR APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR RESTORATION PLAN, AND ANY OTHER APPROVED PLAN.
- ALL MATERIAL SHALL BE TOWER TO A SITE WITH AN APPROVED SEDIMENT AND EROSION CONTROL PLAN. ALL BEST PRACTICE IMPLEMENTATION AND APPROVAL OF THE SEDIMENT AND EROSION CONTROL INSPECTOR SHALL BE REQUIRED UPON COMPLETION OF THE PRELIMINARY OF EROSION AND SEDIMENT CONTROL PRIOR TO PROCEEDING WITH ANY OTHER CONSTRUCTION OR GRADING. OTHER METHODS OF GRADING INSPECTION APPLICABLE MAY NOT BE AUTHORIZED UNLESS THE INITIAL APPROVAL BY THE SEDIMENT AND EROSION CONTROL INSPECTOR IS GIVEN INSPECTED AND PERMITTED. THIS SHALL ALSO BE DONE THAT THE INSPECTOR AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL, ALSO BE PROVIDED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING.
- APPROVAL SHALL BE PROVIDED FOR FINAL ESTABLISHMENT OF ALL SITES BY THE PERSONNEL OF SEDIMENT AND EROSION CONTROL.
- EXISTING TOPOGRAPHY MUST BE FIELD VERIFIED BY RESPONSIBLE PERSONNEL TO THE SATISFACTION OF THE SEDIMENT CONTROL INSPECTOR PRIOR TO COMMENCING WORK.

Signature of Developer: *Robert Schapiro* DATE: 12/18/2010

Signature of Developer: _____ DATE: _____

PRINT NAME: ROBERT SCHAPIRO
 TITLE: OWNER/DEVELOPER
 AFFILIATION: SCHAPIRO PROPERTY
 ADDRESS: 7023 WHEAT MARKET AVE, UNIT 100, THURP, FL 32584
 TELEPHONE NUMBER: 352-217-1111
 EMAIL ADDRESS: rschapiro@schapiro.com

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	% FACTOR
CB	CUMBERLAND CLAY LOAM, 7 TO 3 PERCENT SLOPES	GD	37
TC	TODD CLAY LOAM, 7 TO 3 PERCENT SLOPES	GD	43
MZA	MIDDLELAND TRANSLOESSIAL SOILS TO 1 PERCENT SLOPES	AO	37
SO	SHAWNEE CLAY LOAM, 8 TO 3 PERCENT SLOPES	SD	37

- NOTES:
- SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 - HIGHLY UNDESIRABLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL EROSIONITY FACTOR (% GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 15 PERCENT.

OWNER/DEVELOPER

ROBERT SCHAPIRO
 7023 WHEAT MARKET AVE.
 UNIT 100
 THURP, FL 32584

ANNE ARUNDEL SOIL CONSERVATION DISTRICT APPROVAL


SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED ON IT. I AM IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLE 8, SUBTITLE 15, CHAPTER 86, REGULATION 15 AND THE POSITION OF CUSTOMER REPRESENTATIVE AS SHOWN HEREON. I AM CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Michael D. Adcock
 MICHAEL D. ADCOCK, PROFESSIONAL LAND SURVEYOR
 NO. 31391, EXPIRATION DATE: 08-18-2021

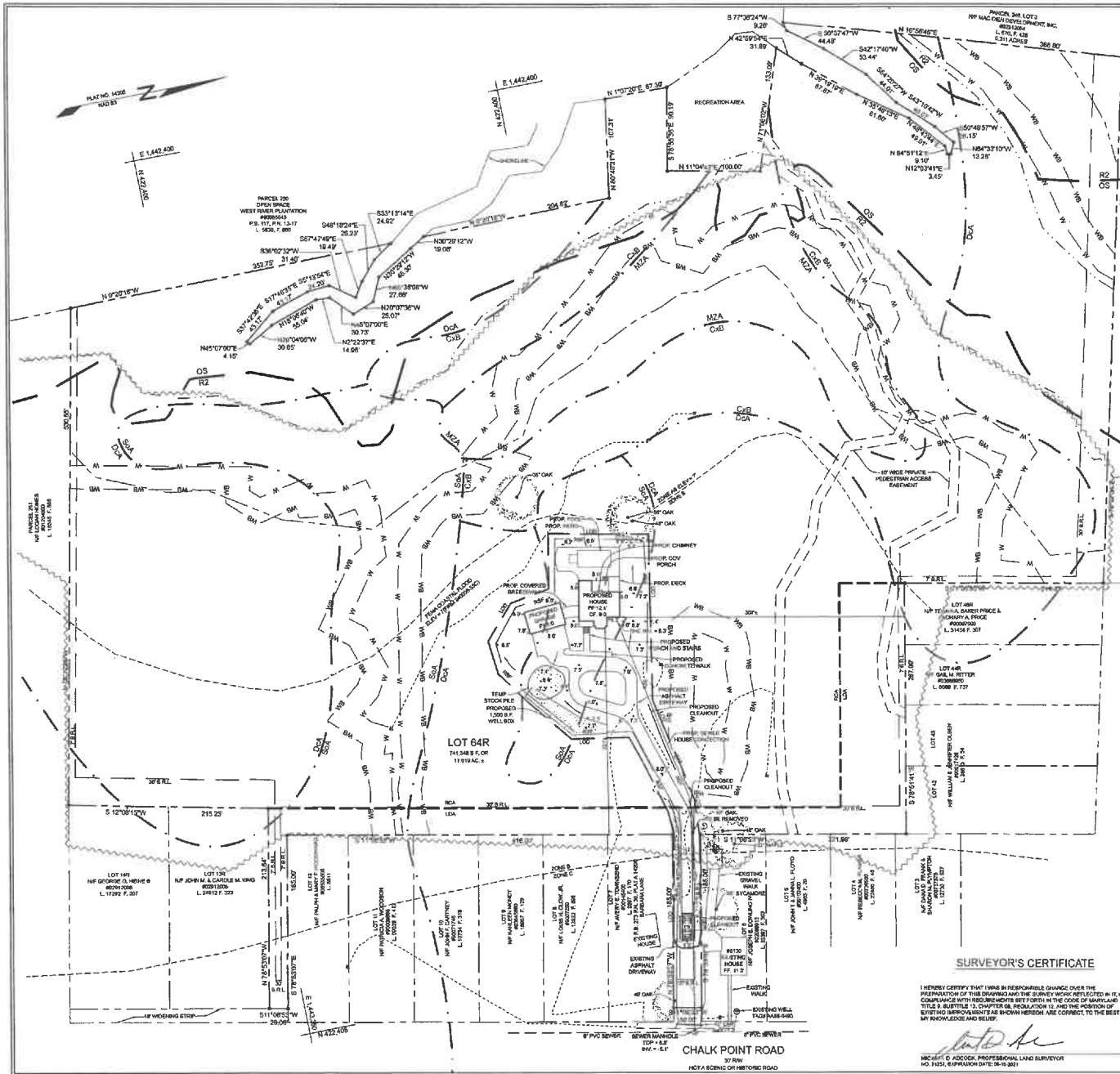
EXISTING CONDITIONS
SCHAPIRO PROPERTY
#5148 CHALK POINT ROAD
 LOT 64R

PARCEL 206
 7TH ELECTION DISTRICT
 ANNE ARUNDEL COUNTY, MARYLAND



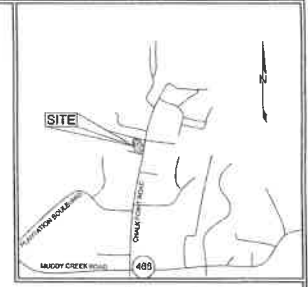
Adcock & Associates · LLC
 Engineers · Surveyors · Planners
 1238 Edwards Drive, Suite 200
 Severnville, Maryland 21784
 Phone: 441.325.7681
 Email: info@adcock.com

REF. NO. PLAT NO. 1420
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 SCALE: 1"=20'
 DATE: DECEMBER 18, 2010
 PROJECT: 19-016
 SHEET # 1 of 6



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- ZONING LINE
- CRITICAL AREA
- TOTAL WETLANDS
- 100' TIDAL WETLANDS BUFFER
- NON-TIDAL WETLANDS
- 25' NON-TIDAL WETLANDS BUFFER
- REINFORCED SALT FENCE
- LIMIT OF INTERFERENCE
- STABILIZED CONSTRUCTION ENTRANCE
- SOILS
- EXISTING ELEVATION



SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K _f FACTOR
CS	CHALK POINT SANDY SILTSTONE 2% TO 5% SILTSTONE	CS	37
CS	DEEP SANDSTONE 2% TO 5% SILTSTONE	CS	24
MS	MIDDLE SILTSTONE 2% TO 5% SILTSTONE	MS	24
MS	SHALLOW SILTSTONE 2% TO 5% SILTSTONE	MS	24

NOTES:
 1) SOIL INFORMATION HAS BEEN OBTAINED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATIONAL RESOURCE CONSERVATION SERVICE, WEBB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SOIL LOSS RATIO THAT IS GREATER THAN 1.0 OR A SOIL LOSS RATIO WITH A SOIL LOSS RATIO FACTOR OF GREATER THAN 0.5 AND WITH A SLOPE GREATER THAN 2 PERCENT.

GENERAL NOTES

1. PROPERTY ADDRESS: 5146 CHALK POINT ROAD, WEST RIVER, MARYLAND 20778
2. DEED REFERENCE: LIBERTY TRACT, FOLIO 170
3. PLAT REFERENCE: PL. 23, P. 27
4. PART OF THIS LOT DOES NOT APPEAR TO LIE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE FEMA FLOOD HAZARD MAP 2405000000P AS REVISED FEBRUARY 18, 2015.
5. ZONING: R2
6. ZONING: R2
7. FRONT: 20'
8. REAR: 20'
9. SIDE: 7'
10. NO STRUCTURES ALLOWED
11. THIS SITE IS USING ROOFTOP DRAINAGE CONNECTIONS (R-1) FOR THE HOUSE AND GARAGE AND NONROOFTOP DRAINAGE CONNECTIONS (R-2) FOR THE DRIVEWAY TO TREAT ITS STORMWATER MANAGEMENT USING CURBS.
12. NATURAL FEATURES HAVE BEEN FIELD VERIFIED BY ADCOCK & ASSOCIATES, ON NOVEMBER 3, 2019
13. NO ROAD IMPROVEMENT REQUIRED OR PROPOSED.
14. THIS SITE LIES WITHIN EXISTING PUBLIC SEWER SERVICE BUT DOES NOT LIE WITHIN PUBLIC WATER SERVICE.
15. CRITICAL AREA, TIDAL AND NON-TIDAL WETLANDS ARE AS INDICATED ON RECORD PLAT FOR SHAWAN VIEW DATED JUNE, 2008 AND RECORDED AT PLAT BOOK 574, PLAT PAGE 28, PLAT 17400.
16. THE NON-TIDAL WETLAND LIMITS HAVE BEEN UPDATED PER 2008 WETLAND DELINEATION PROVIDED BY ECO-SCIENCE PROFESSIONAL SERVICES, INC.
17. THIS SITE IS NOT WITHIN ANY 100' BUFFER OR IMPACT AREAS.
18. THERE IS NO PLAIN TO BE APPLICABLE IN OR ON CHALK POINT ROAD.
19. CHALK POINT ROAD IS A COUNTY ROAD THAT IS PERMANENT AND IS PUBLIC PROPERTY.
20. AFTER EACH YEAR EVENT THE CONTRACTOR IS TO MAINTAIN THE PERIMETER OF THE SEDIMENT CONTROL AND REPAIR OR REPLACE ANY DAMAGED MEASURES.
21. THE TEMPORARY STOCK PILE SHALL NOT EXCEED A HEIGHT OF 10' OR A SIDE SLOPE GREATER THAN 3 TO 1.

OWNER/DEVELOPER

ROBERT SCHAPIRO
 7228 WEST WINTER AVE
 TAMPA, FL 33634

ANNE ARUNDEL SOIL CONSERVATION DISTRICT APPROVAL

**GRADING AND SEDIMENT CONTROL PLAN
 SCHAPIRO PROPERTY
 #5146 CHALK POINT ROAD**

LOT 64R PARCEL 296
 7TH ELECTION DISTRICT ANNE ARUNDEL COUNTY, MARYLAND



Adcock & Associates - LLC
 Engineers - Surveyors - Planners
 5399 Emmott Street, Suite 9-C
 Beltsville, Maryland 21114
 Phone: 443.325.7482
 Email: info@adcock.com

HP NO. PLAT NO. 18207
 DRAWN BY: JT
 CHECKED BY: SA
 SCALE: 1"=40'
 DATE: DECEMBER 18, 2020
 PROJECT: 18207
 SHEET # 1 OF 1

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED IN IT, IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE CODE OF ANNE ARUNDEL TITLE 8, SUBTITLE 12, CHAPTER 08, REGULATION 12, AND THE PORTION OF EXISTING IMPROVEMENTS AS SHOWN HEREON ARE CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]

MICHAEL D. ADCOCK, PROFESSIONAL LAND SURVEYOR
 NO. 1451, EXPIRATION DATE: 04-19-2021

2018 VEGETATIVE ESTABLISHMENT

FOLLOWING DETAILS AND SPECIFICATIONS ARE FOR PERMANENT OR TEMPORARY STABILIZATION SHALL BE CONSIDERED PART OF THE CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THESE DETAILS AND SPECIFICATIONS SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

1. PREPARATION:

SOIL TESTS: THE SOIL TESTS SHALL BE PERFORMED FOR SOIL TESTS TO BE CONDUCTED TO DETERMINE THE SOIL TYPE AND FERTILITY. THE SOIL TESTS SHALL BE PERFORMED BY A LICENSED SOIL TESTER AND THE RESULTS SHALL BE PROVIDED TO THE DESIGN PROFESSIONAL PRIOR TO THE START OF CONSTRUCTION.

2. SEEDING:

SEEDING SHALL BE PERFORMED BY A LICENSED SEEDER AND SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- SEEDING SHALL BE PERFORMED WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.

3. MULCHING:

MULCHING SHALL BE PERFORMED BY A LICENSED MULCHER AND SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- MULCHING SHALL BE PERFORMED WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
- MULCHING SHALL BE PERFORMED AT A RATE OF 2 INCHES PER ACRE.
- MULCHING SHALL BE PERFORMED AT A RATE OF 2 INCHES PER ACRE.
- MULCHING SHALL BE PERFORMED AT A RATE OF 2 INCHES PER ACRE.
- MULCHING SHALL BE PERFORMED AT A RATE OF 2 INCHES PER ACRE.

4. EROSION CONTROL:

EROSION CONTROL SHALL BE PERFORMED BY A LICENSED EROSION CONTROL SPECIALIST AND SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- EROSION CONTROL SHALL BE PERFORMED WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.

STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SEEDING

DEFINITIONS:

1. SOIL PREPARATION: THE PROCESS OF REMOVING TOPSOIL TO A DEPTH OF 12 INCHES TO EXPOSE THE SUBSTRATE SOIL TO BE SEEDING.

2. TOPSOILING: THE PROCESS OF APPLYING TOPSOIL TO A DEPTH OF 12 INCHES TO COVER THE SUBSTRATE SOIL.

3. SEEDING: THE PROCESS OF APPLYING SEED TO THE SOIL.

4. MULCHING: THE PROCESS OF APPLYING MULCH TO THE SOIL.

5. EROSION CONTROL: THE PROCESS OF PREVENTING SOIL EROSION.

6. STABILIZATION: THE PROCESS OF STABILIZING SOIL.

7. SEEDING RATE: THE AMOUNT OF SEED APPLIED PER ACRE.

8. MULCHING RATE: THE AMOUNT OF MULCH APPLIED PER ACRE.

9. EROSION CONTROL RATE: THE AMOUNT OF EROSION CONTROL APPLIED PER ACRE.

10. STABILIZATION RATE: THE AMOUNT OF STABILIZATION APPLIED PER ACRE.

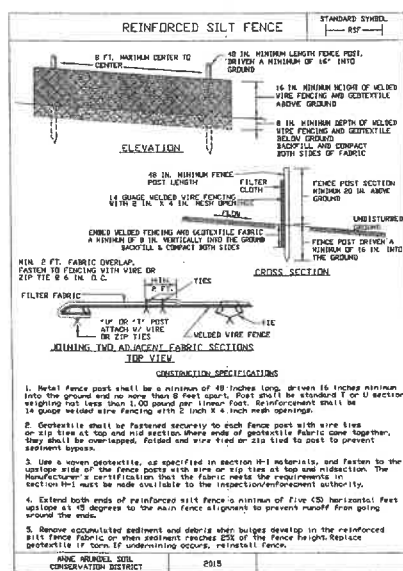
TABLE B.1: TEMPORARY SEEDING FOR SITE STABILIZATION

PLANT SPECIES	SEEDING RATE (LBS/Acre)	SEEDING DATE	RECOMMENDED SEEDING DATES BY PLANT HARDINESS ZONE	
			So 6a	Ta 1a, 1b
GRASS (PERMANENT)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
GRASS (TEMPORARY)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
LEGUME (PERMANENT)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
LEGUME (TEMPORARY)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
FORN LEGUME (PERMANENT)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
FORN LEGUME (TEMPORARY)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
FORN LEGUME (PERMANENT)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15
FORN LEGUME (TEMPORARY)	40	10/15	MARCH 1 TO MAY 15	MARCH 1 TO MAY 15

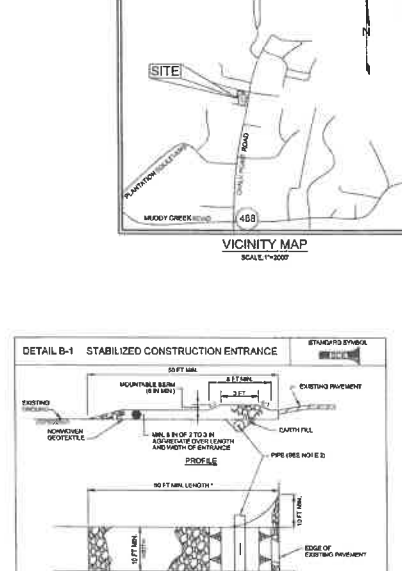
TABLE B.2: RECOMMENDED PLANTING DATES FOR PERMANENT CROPS IN MARYLAND

TYPE OF PLANT MATERIAL	So 6a		Ta 1a, 1b	
	Start Date	End Date	Start Date	End Date
GRASS (PERMANENT)	10/15	10/15	10/15	10/15
GRASS (TEMPORARY)	10/15	10/15	10/15	10/15
LEGUME (PERMANENT)	10/15	10/15	10/15	10/15
LEGUME (TEMPORARY)	10/15	10/15	10/15	10/15
FORN LEGUME (PERMANENT)	10/15	10/15	10/15	10/15
FORN LEGUME (TEMPORARY)	10/15	10/15	10/15	10/15

REINFORCED SILT FENCE



STABILIZED CONSTRUCTION ENTRANCE



2. TEMPORARY SEEDING

USE AND PLACEMENT OF SEEDING MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- SEEDING SHALL BE PERFORMED WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- SEEDING SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.

3. EROSION CONTROL

EROSION CONTROL SHALL BE PERFORMED BY A LICENSED EROSION CONTROL SPECIALIST AND SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- EROSION CONTROL SHALL BE PERFORMED WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.
- EROSION CONTROL SHALL BE PERFORMED AT A RATE OF 100 LBS PER ACRE.

3. SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice shall be provided to the Anne Arundel County Sediment Control Division prior to the start of any construction activity.
- All sediment control structures shall be installed in accordance with the approved plans and specifications.
- All sediment control structures shall be maintained in good condition throughout the construction period.
- All sediment control structures shall be removed or dismantled upon completion of construction.

SEQUENCE OF CONSTRUCTION FOR INDIVIDUAL LOT DEVELOPMENT

1. OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE ANNE ARUNDEL COUNTY DEPARTMENT OF PERMITS AND INSPECTION PRIOR TO THE START OF CONSTRUCTION.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND ALL SEDIMENT CONTROL AS SHOWN ON PLAN. NO CLEARING OR GRADING IS TO BE DONE UNTIL THE INSTALLATION OF SEDIMENT CONTROL. (1 DAY)
3. CONTACT THE INSPECTOR FOR APPROVAL OF SEDIMENT CONTROL INSTALLATION INSTRUCTIONS AND PERMITS MAY REQUIRE THAT AN INSPECTOR VISIT THE INSTALLATION OF SEDIMENT CONTROL. ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING. (1 DAY)
4. CLEAR GRADE AND/OR GRADE OFFER ONLY AS SHOWN WITHIN THE LAYOUT OF DISTURBANCE. MAKE ALL DESIRES TO AN APPROVED SITE. (1 WEEK)
5. INSTALL EROSION CONTROL SYSTEM WITH OTHER UTILITIES AT THE SAME TIME. THE WORK SHALL BE COMPLETED BY BUILDING CONSTRUCTION. ANY REMOVAL OF EROSION CONTROL SHALL BE PERFORMED WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
6. INSTALL EROSION CONTROL SYSTEM PRIOR TO ANY HOUSE FOUNDATION. CONSTRUCTION SHOULD BE COMPLETED AND ASSOCIATED IMPROVEMENTS. CONSTRUCTION OF THE FIRST FLOOR WALLS OF ANY BUILDING OR STRUCTURE MAY NOT BE PERFORMED UNTIL THE CONSTRUCTION OF THE EROSION CONTROL SYSTEM IS COMPLETED WITHIN THE LIMITS OF DISTURBANCE. HOUSE FOUNDATION PERMANENTLY OR TEMPORARILY STABILIZED. A CERTIFICATE TO BE PROVIDED BY THE ENGINEER TO THE INSPECTOR FOR APPROVAL OF THE EROSION CONTROL AND STABILIZATION OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN OBTAINED. (2 WEEKS)
7. ONCE THE SITE IS STABILIZED, WITH THE GRADING INSPECTOR APPROVAL, FUNDING MAY COMMENCE UNDER THE DISTURBANCE CONTROL PLAN. CONSTRUCTION SHALL BE COMPLETED WITHIN THE DISTURBANCE CONTROL PLAN. ALL DISTURBANCE AREAS MUST BE STABILIZED BY THE END OF EACH BUILDING. ALL AREAS MUST BE VEGETATIVELY STABILIZED BY THE APPROVED PLAN. CONSTRUCTION SHALL BE COMPLETED WITHIN THE DISTURBANCE CONTROL PLAN. (1 YEAR)
8. ONCE OPERATIONAL AREAS ARE STABILIZED, INSTALL EROSION CONTROL SYSTEM AND PROVIDE ANCHOR PLANTINGS. SEEDING IS TO BE PERFORMED BY THE DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION. SEEDING IS TO BE PERFORMED AFTER CONSTRUCTION OF OPERATIONAL AREAS IS COMPLETED. (1 DAY)
9. FINAL GRADE AND STABILIZE ALL DISTURBED AND AFFECTED AREAS. INSTALL EROSION CONTROL TO PROTECT FROM EROSION AND STABILIZE AREAS WITH OR-GRADE OR PREVENT PROBLEMS FROM OR-GRADE TO THE STRUCTURE. (1 DAY)
10. WITH GRADING INSPECTOR APPROVAL, REMOVE REMAINING SEDIMENT CONTROL. (1 DAY)
11. MAINTENANCE (ONGOING)

STANDARD STABILIZATION NOTE

FOLLOWING ARE THE STANDARD SPECIFICATIONS FOR THE INSTALLATION OF SEDIMENT CONTROL STRUCTURES:

1. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
2. ALL SEDIMENT CONTROL STRUCTURES SHALL BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED OR DISMANTLED UPON COMPLETION OF CONSTRUCTION.
4. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
5. ALL SEDIMENT CONTROL STRUCTURES SHALL BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. ALL SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED OR DISMANTLED UPON COMPLETION OF CONSTRUCTION.

CONSTRUCTION SPECIFICATIONS

1. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
2. ALL SEDIMENT CONTROL STRUCTURES SHALL BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED OR DISMANTLED UPON COMPLETION OF CONSTRUCTION.
4. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
5. ALL SEDIMENT CONTROL STRUCTURES SHALL BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. ALL SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED OR DISMANTLED UPON COMPLETION OF CONSTRUCTION.

OWNER/DEVELOPER

ROBERT SCHAPIRO
703 WEST WATKINS AVE
TUMPK, PA 15004

ANNE ARUNDEL SOIL CONSERVATION DISTRICT APPROVAL

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A RESPONSIBLE CHARGE OVER THE PREPARATION OF THE DRAWINGS AND THE SURVEY WORK RECORDED IN THIS INSTRUMENT. I HAVE BEEN LICENSED BY THE BOARD OF SURVEYING AND MAPPING OF THE STATE OF MARYLAND TO PRACTICE AS A SURVEYOR AND I AM THE AUTHOR OF THIS INSTRUMENT. I HAVE BEEN LICENSED BY THE BOARD OF SURVEYING AND MAPPING OF THE STATE OF MARYLAND TO PRACTICE AS A SURVEYOR AND I AM THE AUTHOR OF THIS INSTRUMENT.

ANNE ARUNDEL COUNTY PROFESSIONAL SURVEYOR
NO. 217, 02/04/00 (EXPIRES 02/04/08)

GRADING AND SEDIMENT CONTROL NOTES

SCHAPIO PROPERTY
#5146 CHALK POINT ROAD
LOT 64R

TAX MAP 60 0810 20
THE ELECTION DISTRICT

ADCOCK & ASSOCIATES, LLC
Engineers - Surveyors - Planners
1339 Eppinger Street, Suite C
Schaio, Maryland 21154
Phone: 443.376.7878
Email: info@adcock.com

REF NO: EPL10011259
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: DECEMBER 14, 2010
PROJECT: # 1001
SHEET # 1 OF 1

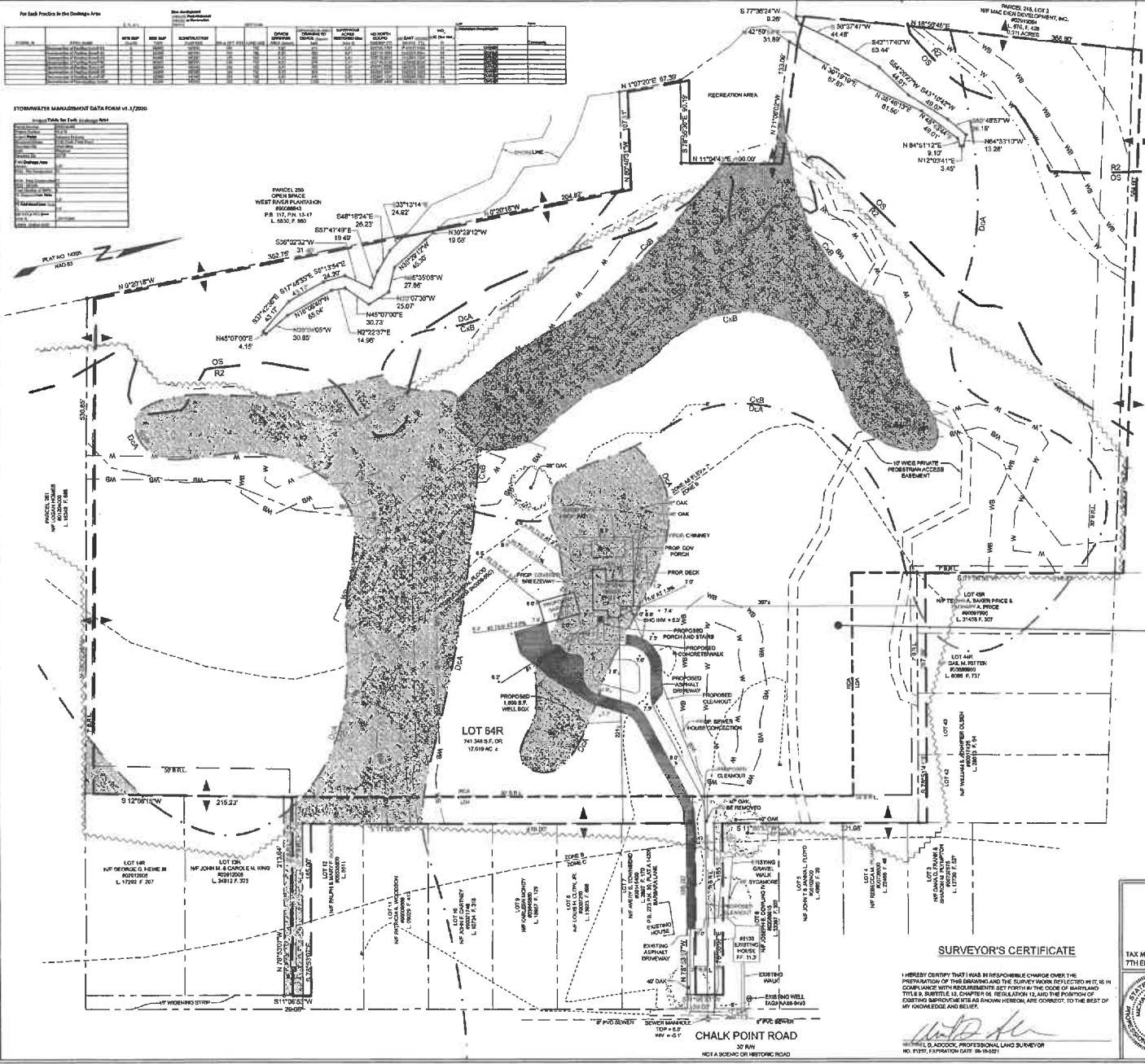
For Each Practice in the Drainage Area

Practice No.	Practice Name	Area (Ac)	Runoff Coefficient	Practice Efficiency (%)	Practice Description
1	Grass	1.2	0.3	90	Grass cover
2	Grass	1.5	0.3	90	Grass cover
3	Grass	1.8	0.3	90	Grass cover
4	Grass	2.1	0.3	90	Grass cover
5	Grass	2.4	0.3	90	Grass cover
6	Grass	2.7	0.3	90	Grass cover
7	Grass	3.0	0.3	90	Grass cover
8	Grass	3.3	0.3	90	Grass cover
9	Grass	3.6	0.3	90	Grass cover
10	Grass	3.9	0.3	90	Grass cover
11	Grass	4.2	0.3	90	Grass cover
12	Grass	4.5	0.3	90	Grass cover
13	Grass	4.8	0.3	90	Grass cover
14	Grass	5.1	0.3	90	Grass cover
15	Grass	5.4	0.3	90	Grass cover
16	Grass	5.7	0.3	90	Grass cover
17	Grass	6.0	0.3	90	Grass cover
18	Grass	6.3	0.3	90	Grass cover
19	Grass	6.6	0.3	90	Grass cover
20	Grass	6.9	0.3	90	Grass cover
21	Grass	7.2	0.3	90	Grass cover
22	Grass	7.5	0.3	90	Grass cover
23	Grass	7.8	0.3	90	Grass cover
24	Grass	8.1	0.3	90	Grass cover
25	Grass	8.4	0.3	90	Grass cover
26	Grass	8.7	0.3	90	Grass cover
27	Grass	9.0	0.3	90	Grass cover
28	Grass	9.3	0.3	90	Grass cover
29	Grass	9.6	0.3	90	Grass cover
30	Grass	9.9	0.3	90	Grass cover
31	Grass	10.2	0.3	90	Grass cover
32	Grass	10.5	0.3	90	Grass cover
33	Grass	10.8	0.3	90	Grass cover
34	Grass	11.1	0.3	90	Grass cover
35	Grass	11.4	0.3	90	Grass cover
36	Grass	11.7	0.3	90	Grass cover
37	Grass	12.0	0.3	90	Grass cover
38	Grass	12.3	0.3	90	Grass cover
39	Grass	12.6	0.3	90	Grass cover
40	Grass	12.9	0.3	90	Grass cover
41	Grass	13.2	0.3	90	Grass cover
42	Grass	13.5	0.3	90	Grass cover
43	Grass	13.8	0.3	90	Grass cover
44	Grass	14.1	0.3	90	Grass cover
45	Grass	14.4	0.3	90	Grass cover
46	Grass	14.7	0.3	90	Grass cover
47	Grass	15.0	0.3	90	Grass cover
48	Grass	15.3	0.3	90	Grass cover
49	Grass	15.6	0.3	90	Grass cover
50	Grass	15.9	0.3	90	Grass cover
51	Grass	16.2	0.3	90	Grass cover
52	Grass	16.5	0.3	90	Grass cover
53	Grass	16.8	0.3	90	Grass cover
54	Grass	17.1	0.3	90	Grass cover
55	Grass	17.4	0.3	90	Grass cover
56	Grass	17.7	0.3	90	Grass cover
57	Grass	18.0	0.3	90	Grass cover
58	Grass	18.3	0.3	90	Grass cover
59	Grass	18.6	0.3	90	Grass cover
60	Grass	18.9	0.3	90	Grass cover
61	Grass	19.2	0.3	90	Grass cover
62	Grass	19.5	0.3	90	Grass cover
63	Grass	19.8	0.3	90	Grass cover
64	Grass	20.1	0.3	90	Grass cover
65	Grass	20.4	0.3	90	Grass cover
66	Grass	20.7	0.3	90	Grass cover
67	Grass	21.0	0.3	90	Grass cover
68	Grass	21.3	0.3	90	Grass cover
69	Grass	21.6	0.3	90	Grass cover
70	Grass	21.9	0.3	90	Grass cover
71	Grass	22.2	0.3	90	Grass cover
72	Grass	22.5	0.3	90	Grass cover
73	Grass	22.8	0.3	90	Grass cover
74	Grass	23.1	0.3	90	Grass cover
75	Grass	23.4	0.3	90	Grass cover
76	Grass	23.7	0.3	90	Grass cover
77	Grass	24.0	0.3	90	Grass cover
78	Grass	24.3	0.3	90	Grass cover
79	Grass	24.6	0.3	90	Grass cover
80	Grass	24.9	0.3	90	Grass cover
81	Grass	25.2	0.3	90	Grass cover
82	Grass	25.5	0.3	90	Grass cover
83	Grass	25.8	0.3	90	Grass cover
84	Grass	26.1	0.3	90	Grass cover
85	Grass	26.4	0.3	90	Grass cover
86	Grass	26.7	0.3	90	Grass cover
87	Grass	27.0	0.3	90	Grass cover
88	Grass	27.3	0.3	90	Grass cover
89	Grass	27.6	0.3	90	Grass cover
90	Grass	27.9	0.3	90	Grass cover
91	Grass	28.2	0.3	90	Grass cover
92	Grass	28.5	0.3	90	Grass cover
93	Grass	28.8	0.3	90	Grass cover
94	Grass	29.1	0.3	90	Grass cover
95	Grass	29.4	0.3	90	Grass cover
96	Grass	29.7	0.3	90	Grass cover
97	Grass	30.0	0.3	90	Grass cover
98	Grass	30.3	0.3	90	Grass cover
99	Grass	30.6	0.3	90	Grass cover
100	Grass	30.9	0.3	90	Grass cover

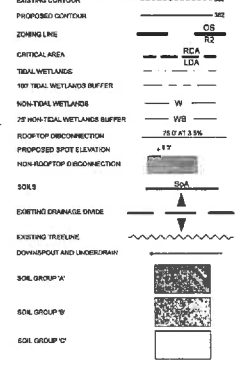
STORMWATER MANAGEMENT DATA FORM v.1/2000

Table for Each Subcatchment

Subcatchment No.	Area (Ac)	Runoff Coefficient	Practice Efficiency (%)	Practice Description
1	1.2	0.3	90	Grass
2	1.5	0.3	90	Grass
3	1.8	0.3	90	Grass
4	2.1	0.3	90	Grass
5	2.4	0.3	90	Grass
6	2.7	0.3	90	Grass
7	3.0	0.3	90	Grass
8	3.3	0.3	90	Grass
9	3.6	0.3	90	Grass
10	3.9	0.3	90	Grass
11	4.2	0.3	90	Grass
12	4.5	0.3	90	Grass
13	4.8	0.3	90	Grass
14	5.1	0.3	90	Grass
15	5.4	0.3	90	Grass
16	5.7	0.3	90	Grass
17	6.0	0.3	90	Grass
18	6.3	0.3	90	Grass
19	6.6	0.3	90	Grass
20	6.9	0.3	90	Grass
21	7.2	0.3	90	Grass
22	7.5	0.3	90	Grass
23	7.8	0.3	90	Grass
24	8.1	0.3	90	Grass
25	8.4	0.3	90	Grass
26	8.7	0.3	90	Grass
27	9.0	0.3	90	Grass
28	9.3	0.3	90	Grass
29	9.6	0.3	90	Grass
30	9.9	0.3	90	Grass
31	10.2	0.3	90	Grass
32	10.5	0.3	90	Grass
33	10.8	0.3	90	Grass
34	11.1	0.3	90	Grass
35	11.4	0.3	90	Grass
36	11.7	0.3	90	Grass
37	12.0	0.3	90	Grass
38	12.3	0.3	90	Grass
39	12.6	0.3	90	Grass
40	12.9	0.3	90	Grass
41	13.2	0.3	90	Grass
42	13.5	0.3	90	Grass
43	13.8	0.3	90	Grass
44	14.1	0.3	90	Grass
45	14.4	0.3	90	Grass
46	14.7	0.3	90	Grass
47	15.0	0.3	90	Grass
48	15.3	0.3	90	Grass
49	15.6	0.3	90	Grass
50	15.9	0.3	90	Grass
51	16.2	0.3	90	Grass
52	16.5	0.3	90	Grass
53	16.8	0.3	90	Grass
54	17.1	0.3	90	Grass
55	17.4	0.3	90	Grass
56	17.7	0.3	90	Grass
57	18.0	0.3	90	Grass
58	18.3	0.3	90	Grass
59	18.6	0.3	90	Grass
60	18.9	0.3	90	Grass
61	19.2	0.3	90	Grass
62	19.5	0.3	90	Grass
63	19.8	0.3	90	Grass
64	20.1	0.3	90	Grass
65	20.4	0.3	90	Grass
66	20.7	0.3	90	Grass
67	21.0	0.3	90	Grass
68	21.3	0.3	90	Grass
69	21.6	0.3	90	Grass
70	21.9	0.3	90	Grass
71	22.2	0.3	90	Grass
72	22.5	0.3	90	Grass
73	22.8	0.3	90	Grass
74	23.1	0.3	90	Grass
75	23.4	0.3	90	Grass
76	23.7	0.3	90	Grass
77	24.0	0.3	90	Grass
78	24.3	0.3	90	Grass
79	24.6	0.3	90	Grass
80	24.9	0.3	90	Grass
81	25.2	0.3	90	Grass
82	25.5	0.3	90	Grass
83	25.8	0.3	90	Grass
84	26.1	0.3	90	Grass
85	26.4	0.3	90	Grass
86	26.7	0.3	90	Grass
87	27.0	0.3	90	Grass
88	27.3	0.3	90	Grass
89	27.6	0.3	90	Grass
90	27.9	0.3	90	Grass
91	28.2	0.3	90	Grass
92	28.5	0.3	90	Grass
93	28.8	0.3	90	Grass
94	29.1	0.3	90	Grass
95	29.4	0.3	90	Grass
96	29.7	0.3	90	Grass
97	30.0	0.3	90	Grass
98	30.3	0.3	90	Grass
99	30.6	0.3	90	Grass
100	30.9	0.3	90	Grass



LEGEND



GEORGES LANE
100' WIDE UTILITY EASEMENT

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K _f FACTOR
CS	COLEMANSTONE CLAYLOESS COMPLEX 3 TO 1 PERCENT SCLOPS	CS	37
CS	SCALE 80% SANDY SILT CLAY 3 TO 1 PERCENT SCLOPS	CS	43
MA	MARBLEHEAD AND TRANSCENDING SOILS 3 TO 1 PERCENT SCLOPS	MA	1
CS	SCALE 80% SANDY SILT CLAY 3 TO 1 PERCENT SCLOPS	CS	37

NOTES:
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE'S NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.
2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 1% PERCENT OR THOSE SOILS WITH A K_f CRODIBILITY FACTOR "K" GREATER THAN 3 AND WITH A SLOPE GREATER THAN 3 PERCENT.

STORMWATER MANAGEMENT SUMMARY TABLE

D.A.	% REQUIRED		% PROVIDED		CHANNEL PROTECTION		Q _P	Q _F
	PROPOSED	REQUIRED	PROPOSED	REQUIRED	REQUIRED	PROVIDED		
CS	1.0%	1.0%	2.33%	2.33%	NA	NA	NA	NA
CS	1.0%	1.0%	4.33%	4.33%	NA	NA	NA	NA

NOTES:
TREATMENT FOR THE ENVIRONMENTAL SITE DESIGN VOLUMES REMOVED SHALL BE PROVIDED FOR AS FOLLOWS: DRAINAGE AREAS 2 AND 3: ROOF TOP DISCONNECTION AND NON ROOF TOP DISCONNECTION