#### **GENERAL NOTES**

- SUBJECT PROPERTY ZONED R-20 IN ACCORDANCE WITH THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN. PER SECTION 108.0.G.3 THIS PROJECT WILL BE DEVELOPED UTILIZING THE R-ED REGULATIONS.
- PROPERTY ADDRESS: 8600 DOVES FLY WAY, LAUREL, MD 20723
- GROSS AREA OF PROPERTY = 8.2834 AC.±
- NET AREA OF PROJECT = 8.2834 AC.± NUMBER OF PROPOSED LOTS = 16
- NUMBER OF PROPOSED OPEN SPACE LOTS = 2
- AREA OF PROPOSED ROAD RIGHT-OF-WAY = 0.8546 AC.± RECREATIONAL OPEN SPACE REQUIRED AS PER 16.121 (a)(4)(vi): 16x 300 SF/UNIT (R-ED) =4,800 SF.
- 15. TOTAL OPEN SPACE PROVIDED: 4.4422 AC.±
- 18. PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS SITE. 19. THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY ADCOCK 8
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL, WHICH
- IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NUMBERS 46FC AND 47DB WERE USED FOR THIS PROJECT.
- THE SOILS SHOWN HAVE BEEN TAKEN FROM THE US DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, WEB SOIL SURVEY WEBSITE. 23. A WETLAND INVESTIGATION FOR THIS PROPERTY WAS COMPLETED BY ECO-SCIENCE PROFESSIONALS, INC.
- GREATER WITHIN THE PROJECT BOUNDARY.

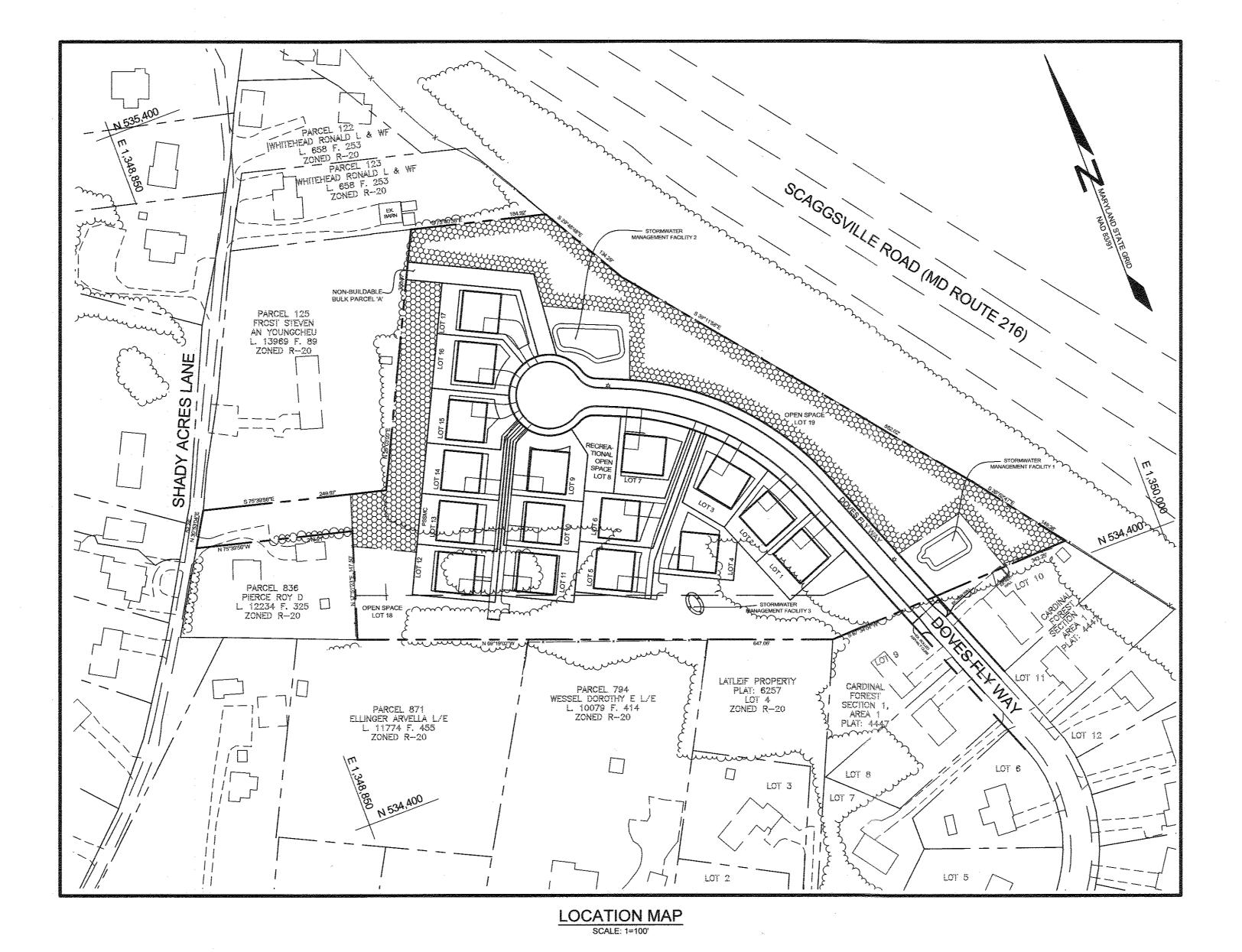
- ABLE TO BE DEVELOPED AS A RECEIVING PARCEL UNDER THE NEIGHBORHOOD PRESERVATION DENSITY BASED ON NET DENSITY IN THE R-ED DISTRICT. - BASE DENSITY: 8.28 ACRES x 2 = 16 LOTS
  - - TOTAL DENSITY: 16 LOTS + 1 LOT = 17 LOTS
- 37. COMMUNITY INPUT MEETINGS HAVE BEEN HELD ON APRIL 10, 2014 AND AUGUST 26, 2014. 38. EXISTING WELLS ON SITE TO BE PROPERLY ABANDONED AS PER HOWARD COUNTY HEALTH DEPARTMENT
- 39. A TRAFFIC STUDY WAS PREPARED BY MARS GROUP IN APRIL 2014. 40. CONSTRUCTION MATERIALS SHALL BE PROVIDED TO ENSURE THE QUALITY OF THE INDOOR NOISE LEVEL
- TO NOT TO EXCEED 45 DBA, PRE-CONSTRUCTION INDOOR-TO-OUTDOOR STC BUILDING ELEMENT RATING WILL BE IDENTIFIED AND VERIFIED IN A POST-CONSTRUCTION SOUND INSULATION TEST REPORT. 41. PRELIMINARY WATER AND SEWER CONTRACT NUMBER: 24-4874-D
- 42. A WAVER REQUEST WP-15-029 WAS SUBMITTED TO WAIVE SECTION 16.1205(A)(7) TO ALLOW REMOVAL OF UP TO 2 SPECIMEN TREES (TREES 30" IN DIAMETER OR LARGER) AND WAS APPROVED ON APRIL 16, 2015.
- 43. THE ADMINISTRATIVE ADJUSTMENT PETITION AA-15-002 TO REDUCE THE REQUIRED SETBACK FROM THE PROPERTY LINE ON THE SOUTHERN SIDE OF THE PARCEL FROM 75 FEET TO 60 FEET TO PRESERVE FORESTED AND OPEN SPACE AREAS WAS GRANTED ON APRIL 20, 2015, SUBJECT TO THE FOLLOWING
  - 1), THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND
  - 2), THE GRANTED ADMINISTRATIVE ADJUSTMENT SHALL APPLY SOLELY TO THE SINGLE FAMILY DETACHED DWELLINGS SHOWN ON PROPOSED LOTS 5, 11, AND 12, AS DEPICTED ON THE ADMINISTRATIVE ADJUSTMENT PLAN SUBMITTED BY THE PETITIONER AND NOT TO ANY OTHER
- STRUCTURE, ADDITION, BUILDING OR USE. 3). THIS DECISION AND ORDER SHALL BE MAINTAINED IN THE OWNERS' PROPERTY RECORDS AND SHALL BE TRANSFERRED TO ANY SUCCEEDING OWNER OF THE PROPERTY.
- 44. PER SECTION 108.0.G.3. OF THE HOWARD COUNTY ZONING REGULATIONS. THIS PROJECT IS DEVELOPED PURSUANT TO THE R-ED ZONING REQUIREMENTS. THIS PLAN WAS PRESENTED TO THE HOWARD COUNTY PLANNING BOARD AS PB CASE #410 AND RECEIVED APPROVAL APRIL 16, 2015, SUBJECT TO THE FOLLOWING CONDITIONS:
- 1). ALL REMAINING DRAFTING COMMENTS IN PROJECTDOX MARKUPS ARE ADDRESSED. 2). IF APPROVED, THAT THE APPLICANT SHALL UTILIZE THE SETBACK REDUCTION FROM 75' TO 60' ON
- THE SOUTHWEST SIDE OF THE PROPERTY AS PROPOSED IN AA-15-002 TO MAXIMIZE THE AMOUNT OF EXISTING FOREST TO BE RETAINED ON THE NORTHEAST SIDE OF THE PROPERTY.
- 3). THE APPLICANT SHALL INCORPORATE A MORE AGGRESSIVE PLAN TO ADDRESS RUN-OFF AND SEDIMENT EROSION CONTROL DURING CONSTRUCTION.
- 4). THE APPLICANT SHOULD WORK WITH THE DEPARTMENT OF PLANNING AND ZONING AND DEPARTMENT OF PUBLIC WORKS TO DESIGN STORMWATER MANAGEMENT FOR HIGHER INTENSITY

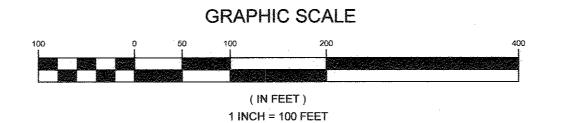
#### STORMWATER MANAGEMENT NOTES & DESIGN NARRATIVE

- STORMWATER MANAGEMENT OBLIGATIONS WILL BE TREATED BY ONE MICRO BIORETENTION FACILITY, TWO BIORETENTION
- THE SITE'S NATURAL RESOURCES ARE PROTECTED AND ENHANCED BY FOREST CONSERVATION EASEMENTS BEING PLACED
- OVER THEM WHERE FEASIBLE. TO THE GREATEST EXTENT PRACTICABLE THE NATURAL FLOW PATTERNS OF THE SITE HAVE BEEN MAINTAINED BY DIRECTING STORM DRAIN, BIO-RETENTION AND SHEET FLOW RUNOFF TO LOCATIONS WITHIN THE NATURAL DRAINAGE DIVIDES. IMPERVIOUS AREAS HAVE BEEN REDUCED BY THE USE OF THE SMALLEST ROAD SECTION ALLOWABLE AND BY UTILIZING
- PERVIOUS AREAS FOR TREATMENT. THERE IS ONE ON-SITE FOREST CONSERVATION/AFFORESTATION AREA CREATED TO SATISFY THE FOREST CONSERVATION REQUIREMENTS FOR THIS DEVELOPMENT.
- THE SITE PE HAS BEEN CALCULATED TO BE 1.8", BASED ON THE AREAS BEING ENGINEERED FOR STORMWATER MANAGEMENT
- THE FULL 1.8" PE OBLIGATION HAS BEEN MET AND IS THE MAXIMUM EXTENT PRACTICABLE OF ENVIRONMENTAL SITE DESIGN. SEDIMENT CONTROL WILL BE PROVIDED BY SILT FENCE, SUPER SILT FENCE, CHANNEL STABILIZATION MATTING AND A

# ENVIRONMENTAL CONCEPT PLAN DOVESFLY

HOWARD COUNTY, MARYLAND





#### **LEGEND**

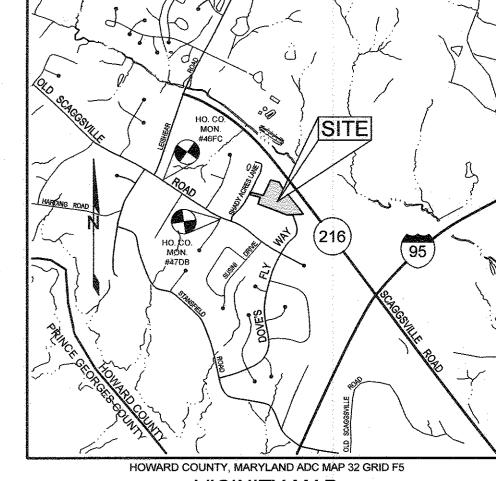
**EXISTING CONTOUR** PROPOSED CONTOUR

PROPOSED SPOT ELEVATION DIRECTION OF FLOW EXISTING TREELINE

**EXISTING SPECIMEN TREE** 

**EXISTING FENCE** 

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**VICINITY MAP** 

BENCHMARKS							
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION			
46FC	535145.93	1346954.79	403.70	20.5' SE OF G&E POLE #840720, 175' SE OF © OF MAC DRIVE			
47DB	534316.90	1348131.23	398.49	3' SW OF END OF CURB ON FELSVIEW DR., 2,603.7' SE FROM © OF LEISHEAR RD.			

SITE ANALYSIS [	DATA SHEE
ENVIRONMENTAL AREA	SIZE OR USE
TOTAL PROJECT AREA	8.28 ACRES±
LIMIT OF DISTURBANCE	5.68 ACRES±
GREEN OPEN AREA (LAWN)	2.04 ACRES±
IMPERVIOUS AREA	1.91 ACRES±
PROPOSED SITE USES	RESIDENTIAL
WETLANDS	0.00 ACRES±
WETLAND BUFFERS	0.00 ACRES±
FLOODPLAINS	0.00 ACRES±
FLOODPLAIN BUFFERS	0.00 ACRES±
EXISTING FOREST	4.33 ACRES±
SLOPES GREATER THAN 15%	0.16 ACRES±
HIGHLY ERODIBLE SOILS	0.32 ACRES± (1)

NOTE: (1) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER

107	CDOCC	PIPESTEM	MINIMUM LO
LOT NUMBER	GROSS AREA (SF)	AREA (SF)	SIZE (SF)
INUMBER	1		
4	9,181 ±	780 ±	8,401 ±
5	8,567 ±	1,359 ±	7,208 ±
6	8,339 ±	804 ±	7,469 ±
10	7,493 ±	386 ±	7,107 ±
. 11	8,000 ±	671 ±	7,329 ±
12	8,516 ±	719 ±	7,797 ±
13	7,975 ±	454 ±	7,521 ±
14	7,435 ±	190 ±	7,245 ±

	SHEET INDEX	
SHEET NO.	DESCRIPTION	
1	COVER SHEET	
2	ENVIRONMENTAL CONCEPT PLAN	
3	STORMWATER MANAGEMENT DRAINAGE AREA MAP	
4	BORING LOGS	
5	FOREST STAND DELINEATION	

## OWNER/DEVELOPER

WILLIAMSBURG GROUP 5485 HARPERS FARM ROAD, SUITE 200 COLUMBIA, MARYLAND 21044 410.997.8800

# **COVER SHEET**

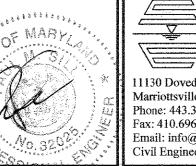
### **DOVES FLY**

LOTS 1 THRU 7 AND LOTS 9 TO 17 AND **OPEN SPACES LOT 8 AND LOT 18** 

TAX MAP 47 GRID 7 **6TH ELECTION DISTRICT** 

> ENGINEERING GROUP, LLC

LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2017



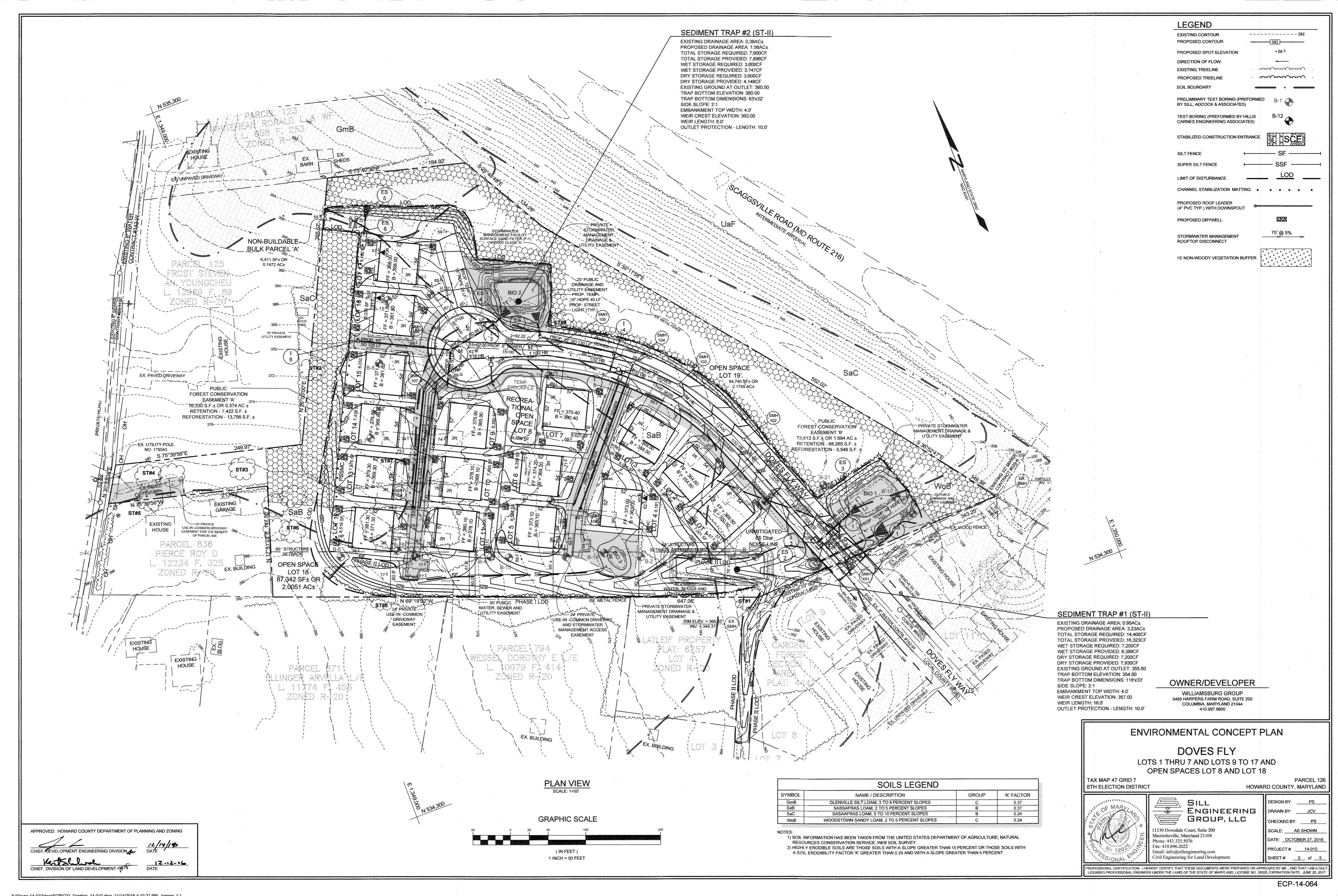
11130 Dovedale Court, Suite 200 Marriottsville, Maryland 21104 Phone: 443.325.5076 Fax: 410.696.2022 Email: info@sillengineering.com Civil Engineering for Land Development

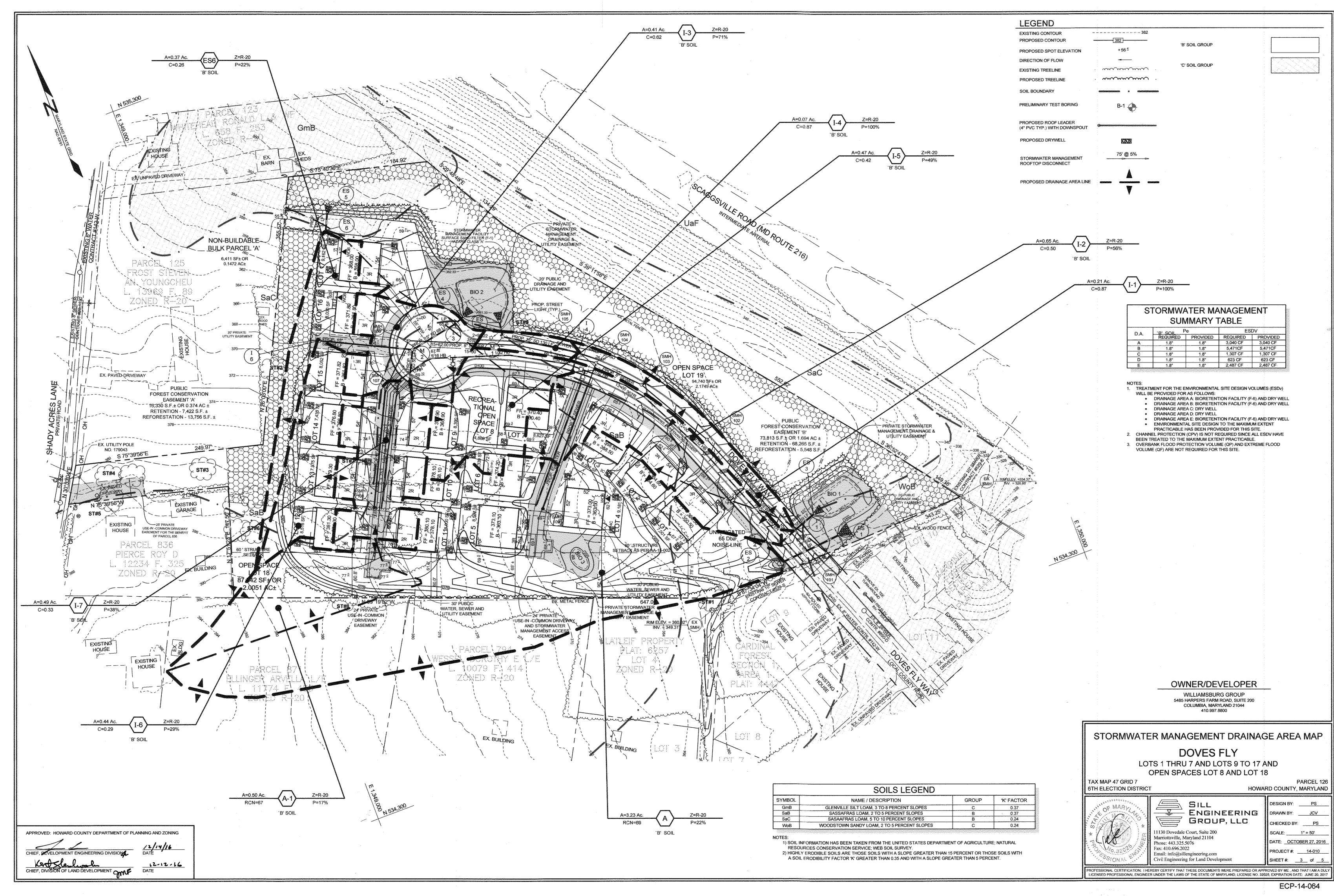
CHECKED BY: PS SCALE: 1"=50" DATE: OCTOBER 27, 2016 PROJECT#: 14-010 FESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME , AND THAT I AM A DUI

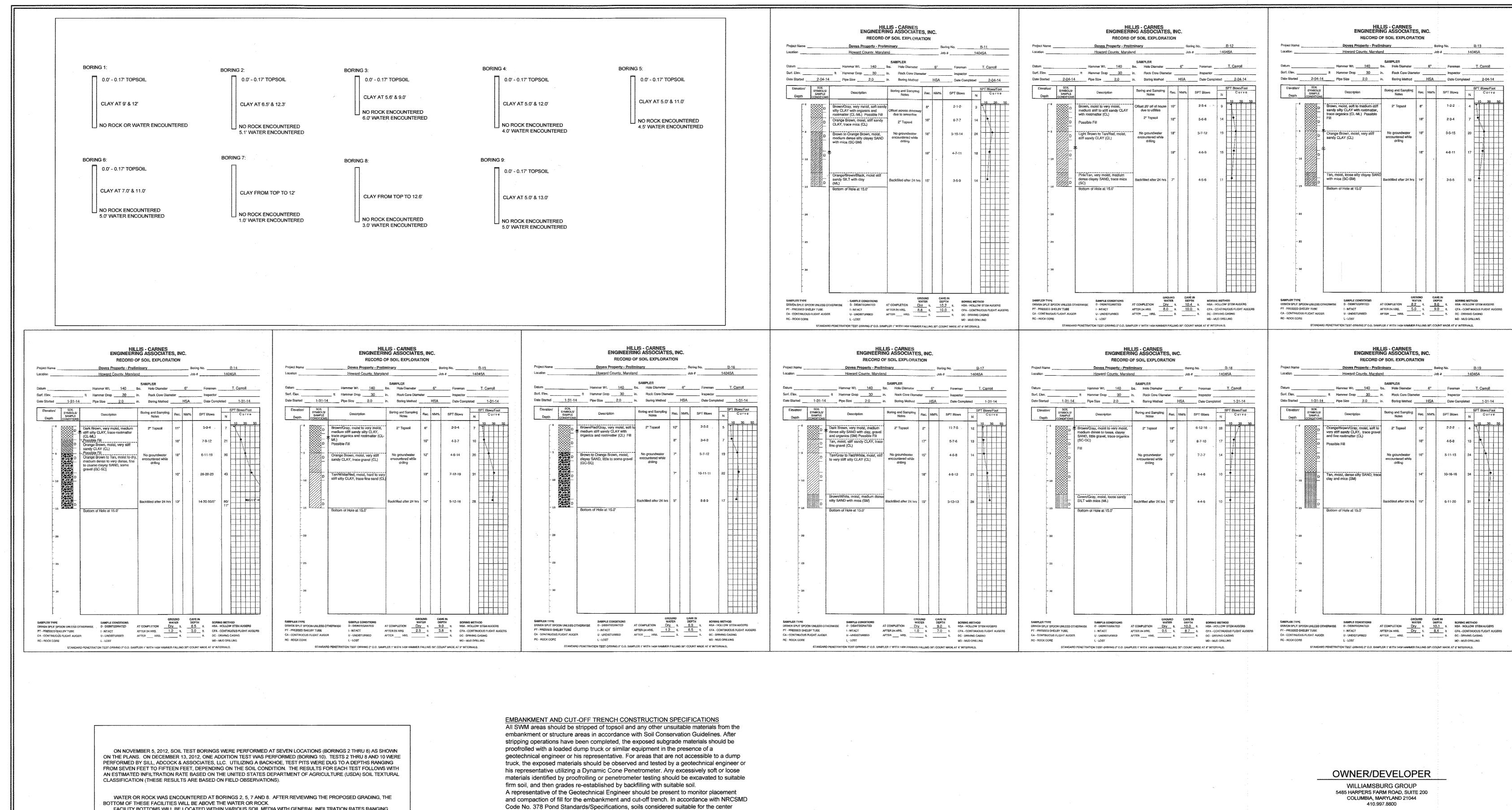
HOWARD COUNTY, MARYLAND

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

PARCEL 126







FACILITY BOTTOMS WILL BE LOCATED WITHIN VARIOUS SOIL MEDIA WITH GENERAL INFILTRATION RATES RANGING FROM 0.27 INCHES/HOUR TO 1.02 INCHES/HOUR. ALL MICRO-BIORETENTION FACILITIES PROPOSED AT THESE BORING LOCATIONS WILL UTILIZE UNDERDRAINS AND THEREFORE DO NOT NEED TO MEET THE MINIMUM INFILTRATION RATE OF 1.02

OUR CONCLUSION FROM THESE SOIL TEST BORINGS IS THAT ALL AREAS SHOWN ON THE ATTACHED PLANS ARE SUITABLE FOR MICRO-BIORETENTION FACILITIES AS LONG AS UNDERDRAINS ARE PROVIDED.

**APPROVED** NG BOARD OF HOW APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DATE 12-12-16 DATE

Y:\Doves 14-010\dwa\ECP\C04 Borings 14-010.dwg, 11/14/2016 2:55:50 PM, Joanne, 1:1

of embankment and cut-off trench shall conform to Unified Soil Classification GC, SC, CH, or CL and must have at least 30% passing the #200 sieve.

It is our professional opinion that in addition to the soil materials described above a finegrained soil, including Silt (ML) with a plasticity index of 10 or more can be utilized for the center of the embankment and core trench. All fill materials must be placed and compacted in accordance with NRCS-MD Code No. 378 specifications.

(See pages 3-4 of Hillis-Carnes Geotechnical Report)

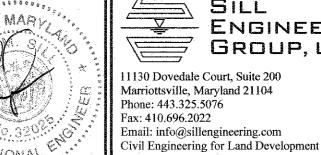
### **BORING LOGS**

# **DOVES FLY**

LOTS 1 THRU 7 AND LOTS 9 TO 17 AND OPEN SPACES LOT 8 AND LOT 18

TAX MAP 47 GRID 7 **6TH ELECTION DISTRICT** 

> ENGINEERING GROUP, LLC



1130 Dovedale Court, Suite 200 Marriottsville, Maryland 21104

LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2017

SCALE: DATE: OCTOBER 27, 2016 PROJECT#: 14-010 SHEET#: 4 of 5

PARCEL 126

HOWARD COUNTY, MARYLAND

DESIGN BY: PS

CHECKED BY: PS

DRAWN BY: \_\_\_\_JCV\_\_

ECP-14-064

