

C 1	48243	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		FILL IN THIS FORM COMPLETELY PLEASE TYPE		COUNTY NUMBER <u>13</u>
ST/CO USE ONLY DATE Received MM <u>01</u> DD <u>09</u> YY <u>18</u>		DATE WELL COMPLETED MM <u>11</u> DD <u>10</u> YY <u>2017</u>		PERMIT NO. FROM "PERMIT TO DRILL WELL" <u>HO-17-0301</u>
8 13		15 20		22 <u>320</u> 26 (TO NEAREST FOOT)

OWNER Connor Glenn
WELL SITE ADDRESS 3150 Jennings Chapel Road TOWN Woodbine
SUBDIVISION 2317 SECTION 1 LOT _____

WELL LOG			
Not required for driven wells			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
<u>Silt, trace mica, brown medium stiff</u>	<u>0</u>	<u>40</u>	
<u>Rock, hard gray</u>	<u>40</u>	<u>320</u>	<input checked="" type="checkbox"/>
<u>Installed 1.25" closed loop geothermal wells</u>			

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box) <input checked="" type="radio"/> Y <input type="radio"/> N	
TYPE OF GROUTING MATERIAL (Circle one) CEMENT <input checked="" type="radio"/> CM BENTONITE CLAY <input checked="" type="radio"/> BC	
NO. OF BAGS <u>18</u>	NO. OF POUNDS <u>900</u>
GALLONS OF WATER <u>378</u>	
DEPTH OF GROUT SEAL (to nearest foot) from <u>0</u> ft. to <u>320</u> ft. (enter 0 if from surface)	
CASING RECORD	
casing types insert appropriate code below	
<input checked="" type="radio"/> ST STEEL <input type="radio"/> CO CONCRETE <input type="radio"/> PL PLASTIC <input type="radio"/> OT OTHER	
MAIN CASING TYPE	Total depth of main casing (nearest foot)
60 61 63 64 66 70	
OTHER CASING (if used)	
diagram	depth (feet)
EACH CASING	inch from to
SCREEN RECORD	
screen type or open hole insert appropriate code below	
<input checked="" type="radio"/> ST STEEL <input type="radio"/> BR BRASS <input type="radio"/> HO OPEN HOLE <input type="radio"/> PL PLASTIC <input type="radio"/> OT OTHER	
DEPTH (nearest ft.)	
EACH CASING	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
DIAMETER OF SCREEN (NEAREST INCH) from _____ to _____	

PUMPING TEST		
HOURS PUMPED (nearest hour)	<u>N/A</u>	
PUMPING RATE (gal. per min.)	<u>N/A</u>	
METHOD USED TO MEASURE PUMPING RATE	<u>N/A</u>	
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	<u>60</u> ft.	
WHEN PUMPING	<u>N/A</u> ft.	
TYPE OF PUMP USED (for test)		
<input type="radio"/> A air	<input type="radio"/> P piston	<input type="radio"/> T turbine
<input type="radio"/> C centrifugal	<input type="radio"/> R rotary	<input type="radio"/> O other (describe below)
<input type="radio"/> J jet	<input type="radio"/> S submersible	

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED Y N

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MWD 567
Jefferson
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q

70 _____ 72 _____ 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____

PUMP HORSE POWER _____

PUMP COLUMN LENGTH (nearest ft.) _____

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE 3 (nearest foot)
 - below }

LATITUDE 39.170638
LONGITUDE 77.053300
(DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.

B 1	SEQUENCE NO. (MDE USE ONLY) 57962	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 561541	STATE PERMIT NUMBER 40-17-0201 <small>fill in this form completely</small>
Date Received (APA) 09/28/17 <small>8 MM DD YY 13</small>	OWNER INFORMATION		B 3 LOCATION OF WELL
15 Last Name Connor Glenn Owner 36 Street or RFD 8241 Rippling Branch Road 57 Town Laurel MO State 20723 Zip 76	8 COUNTY Howard County 23 SUBDIVISION 2317 SECTION 44 45 LOT 48 50 52 NEAREST TOWN Woodbine 71		
DRILLER INFORMATION Driller's Name Jeff Corron License No. M WD 5167 Firm Name Chesapeake Geosystems, Inc. Address 6720 Fort Smallwood Rd Balt 21226 Signature Jeff Corron Date 9/26/17		B 4 SOURCES OF DRILLING WATER 1. municipal 2. 10/20/17 well #3 - 20 bags of grout - all wells topped off. (RD) ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH DISTANCE FROM ROAD 300 FT ENTER FT OR MI 38 39 TAX MAP: 13 BLK: 22 PARCEL 87	
B 2	WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) N/A AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME Howard COUNTY NO. 13 STATE SIGNATURE [Signature] INSERT S → DATE ISSUED 10/16/17 CO SIGNATURE [Signature] EXP. DATE 10/16/18 <small>43 MM DD YY 48</small>
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL		APPROXIMATE DEPTH OF WELL 320 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST	
METHOD OF DRILLING (circle one) BORED (or Augered) AIR-ROTARY JETTED Jetted & DRIVEN AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY DRIVE-POINT other _____		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL 	
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____		PERMIT No. 40-17-0201 <small>70 71 72 73 74 75 76 77 78 79</small>	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER G SPECIAL CONDITIONS Grout bottom to top.			

39.285097 - 77.092900

STATE OF MARYLAND WELL INSPECTION SHEET

DATE: 10/18/2017

COUNTY: Howard

WELL TAG #: HO-17-0201

ONSITE START TIME:

END OF INSPECTION TIME:

LATITUDE/LONGITUDE:

COPY OF PERMIT ONSITE: Y N

WELL DRILLING PERSONNEL:

Chesapeake (2)
Lance & Luke

GOVERNMENT PERSONNEL:

Cabating

OTHERS:

CONSTRUCTION

LOCATION CONSISTENT WITH PLAN: N

CHLORINE PRESENT IN MAKE UP WATER: Y N N

BIT/STABILIZER SIZE: N

PENETRATION RATE: N

NOTES: 10/18/17 N

Geothermal Loop spec (QTY 3)

Oil Creek Plastics Geothermal Pipe

DR 11 1-1/4" x 650

U-Bend @ 325'

~ 200' down ~~bone~~ ^{first} Bone N

CASING/SCREEN

LENGTH/SIZE/ASTM# OF CASING SET:

LENGTH/SIZE/ASTM# OF LINER:

SCREEN LENGTH/SLOT SIZE/ASTM#:

DEPTH SET:

NOTES:

GROUTING

TREMI LENGTH: TREMI DIAMETER: PRODUCT USED: B C BAG WEIGHT:
MAKE UP WATER pH: THERMALLY ENHANCED: Y N TYPE/WEIGHT OF ADDITIVE:
GALLONS OF WATER USED PER BAG: MUD WEIGHT AT START:
MUD WEIGHT AT END: NUMBER OF BAGS USED:

NOTES: 3 bags 07121622 13:38 B

WELL DEVELOPMENT/YIELD/REWORKING

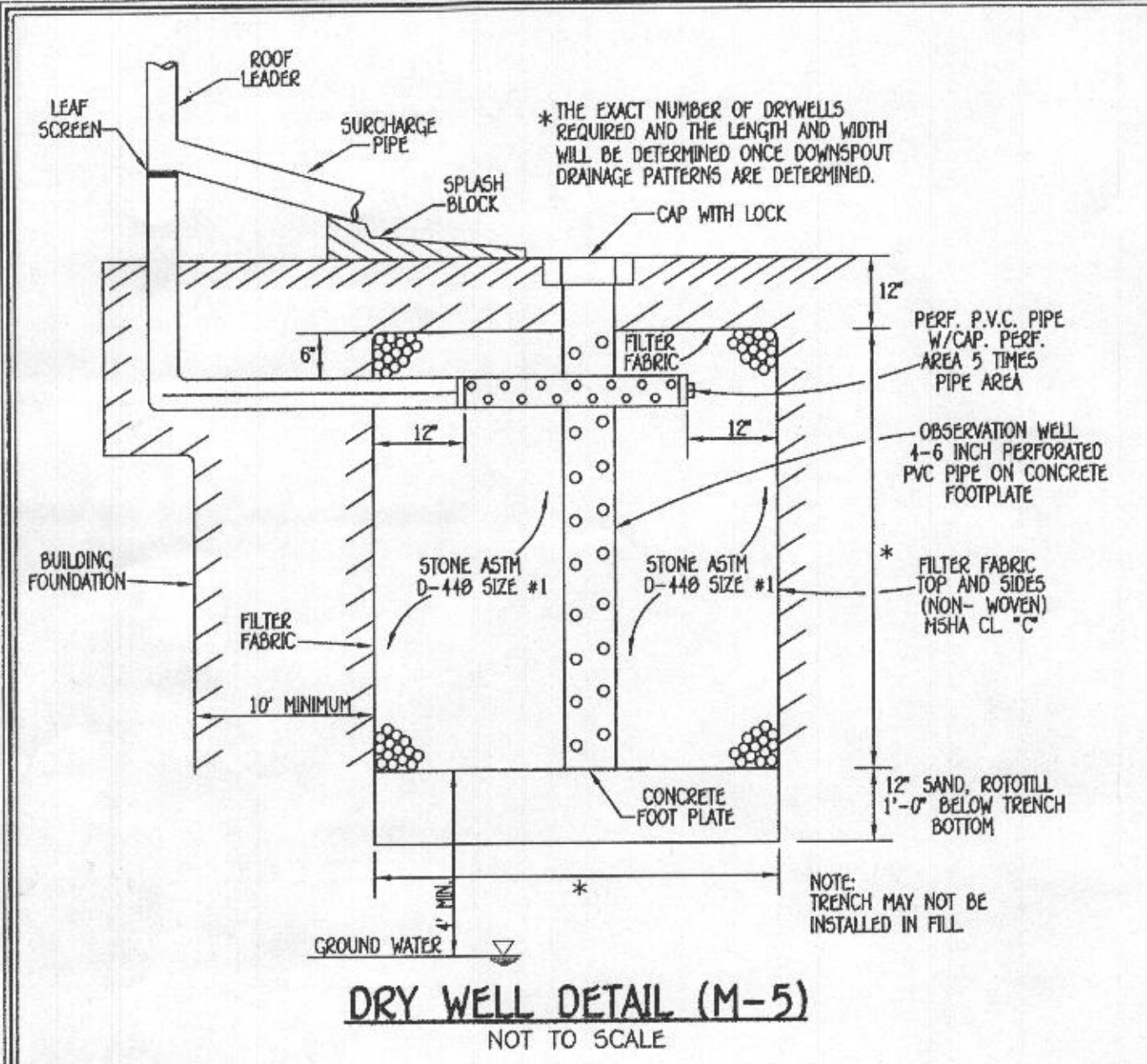
METHODS USED: S SB J OP C DURATION: FINAL STATIC & YIELD:
HYDROFRACTURED: Y N SINGLE OR ZONE PACKER: S Z DEPTH OF PACKER SETS:
TOTAL GALLONS OF WATER USED: ESTIMATED YIELD OF FLOW BACK:
DEVELOPMENT NOTES:

UPPER TERMINAL/PUMP INSTALLATION

GROUT PRESENT IN ANNULAR SPACE: Y N PUMP IDENTIFICATION:
DROP PIPE DESCRIPTION: DEPTH/LOCATION OF CHECK VALVES:
PITLESS, CONDUIT PIPE & WATER SERVICE LINE DEPTH: SAFETY ROPE: Y N
ELECTRICAL CABLE DESCRIPTION: PROPER CAP & STICK UP: Y N
STATIC WATER LEVEL: PUMP SET DEPTH: TAG ON WELL: Y N

GENERAL NOTES





STORMWATER MANAGEMENT NOTES

1. STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER MANAGEMENT DESIGN HANDBOOK, EFFECTIVE MAY 4, 2010.
2. MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 1,000 SQ. FT. OR LESS.
3. DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 5% SLOPE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
4. FINAL GRADING IS SHOWN ON THE SITE DEVELOPMENT PLAN.

OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

- A. THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- B. THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- C. THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- D. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN WITHIN A SEVENTY-TWO (72) HOUR PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- E. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- F. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

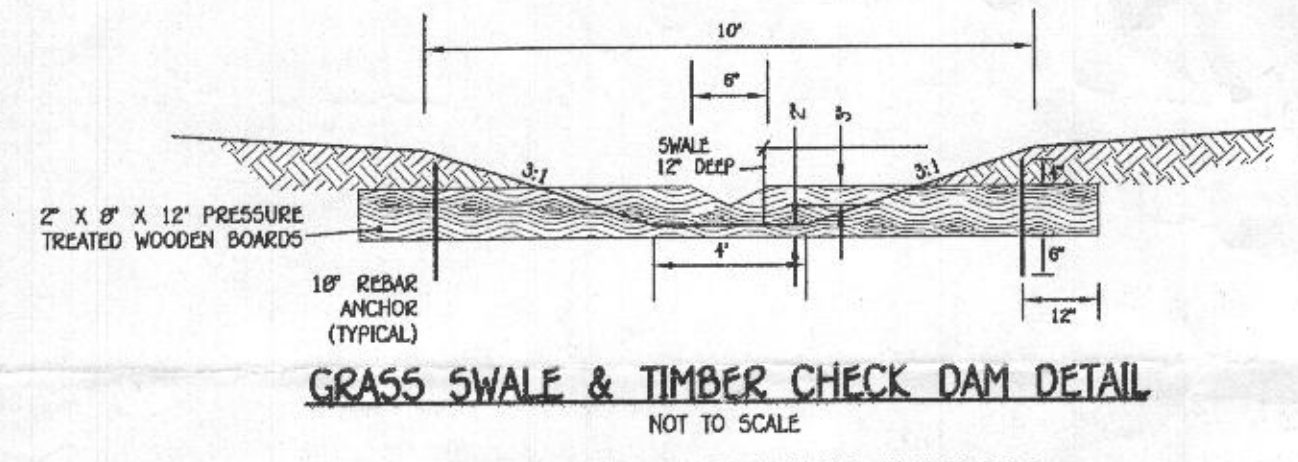
DRY WELL CHART

DRYWELL NO.	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT	L	W	D
DW1	518 SQ. FT.	50 C.F.	128 C.F.	100%*	8'	8'	5'
DW2	845 SQ. FT.	81 C.F.	200 C.F.	100%*	10'	10'	5'
DW3	940 SQ. FT.	91 C.F.	200 C.F.	100%*	10'	10'	5'
DW4	910 SQ. FT.	88 C.F.	200 C.F.	100%*	10'	10'	5'
DW5	880 SQ. FT.	85 C.F.	200 C.F.	100%*	10'	10'	5'
DW6	812 SQ. FT.	78 C.F.	200 C.F.	100%*	10'	10'	5'

* AREA OF TREATMENT EXCEEDS THAT REQUIRED.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED OPEN CHANNEL SYSTEMS GRASS SWALES (M-8)

1. THE OPEN CHANNEL SYSTEM SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHALL BE PERFORMED DURING WET WEATHER TO DETERMINE IF THE FACILITY IS FUNCTIONING PROPERLY.
2. THE OPEN CHANNEL SHALL BE MOWED A MINIMUM OF AS NEEDED DURING THE GROWING SEASON TO MAINTAIN A MAXIMUM GRASS HEIGHT OF LESS THAN 6 INCHES.
3. DEBRIS AND LITTER SHALL BE REMOVED DURING REGULAR MOWING OPERATIONS AND AS NEEDED.
4. VISIBLE SIGNS OF EROSION IN THE OPEN CHANNEL SYSTEM SHALL BE REPAIRED AS SOON AS IT IS NOTICED.
5. REMOVE SILT IN THE OPEN CHANNEL SYSTEM WHEN IT EXCEEDS 25% OF THE ORIGINAL WOV.
6. INSPECT CHECK DAMS TWICE A YEAR FOR STRUCTURAL INTEGRITY. RESTORE CHECK DAMS TO ORIGINAL CONDITION AS APPLICABLE.



STORMWATER MANAGEMENT SUMMARY

AREA ID.	ESDY REQUIRED CU.FT.	ESDY PROVIDED CU.FT.	REMARKS
SITE	1,309	1,554	DRYWELLS (M-5), GRASS SWALE (M-8) & NON-ROOFTOP DISCONNECTION (N-2)
TOTAL	1,309	1,554	

GROSS AREA = 3.00 ACRES
LOD = 1.36 ACRES (SITE)
RCN = 55
TARGET Pe = 1.2"

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. 38396, EXPIRATION DATE: 01/12/2018.

Signature of Professional Engineer DATE: 7/6/17



Owner
GLENN L. CONNOR
ELIZABETH S. CONNOR
2841 RIPPLING BRANCH RD.
LAUREL, MARYLAND 20723

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: _____
HOWARD SOIL CONSERVATION DISTRICT DATE: _____

DEVELOPER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer: _____ DATE: _____

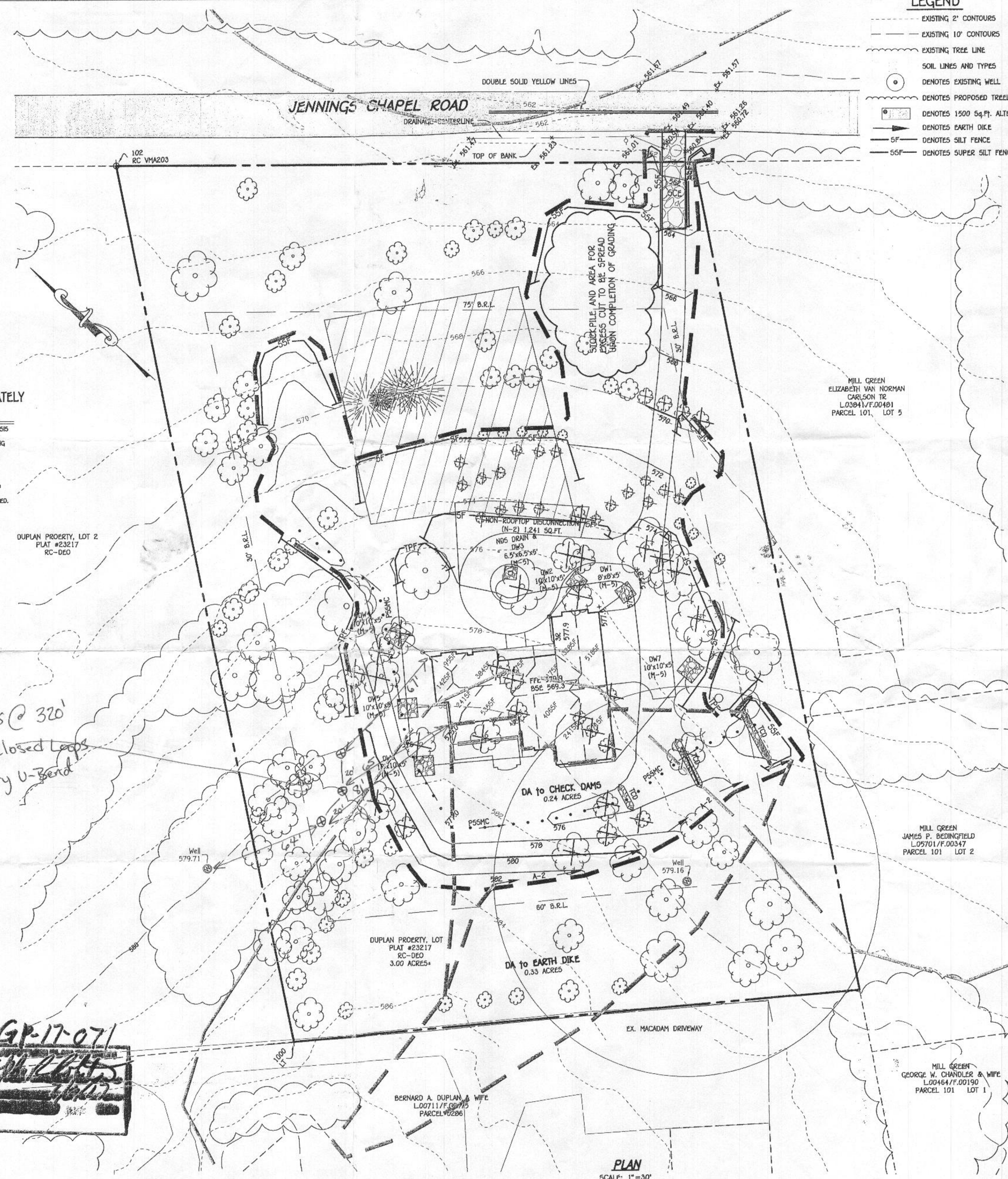
ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: *Glenn L. Connor* DATE: 7/6/17

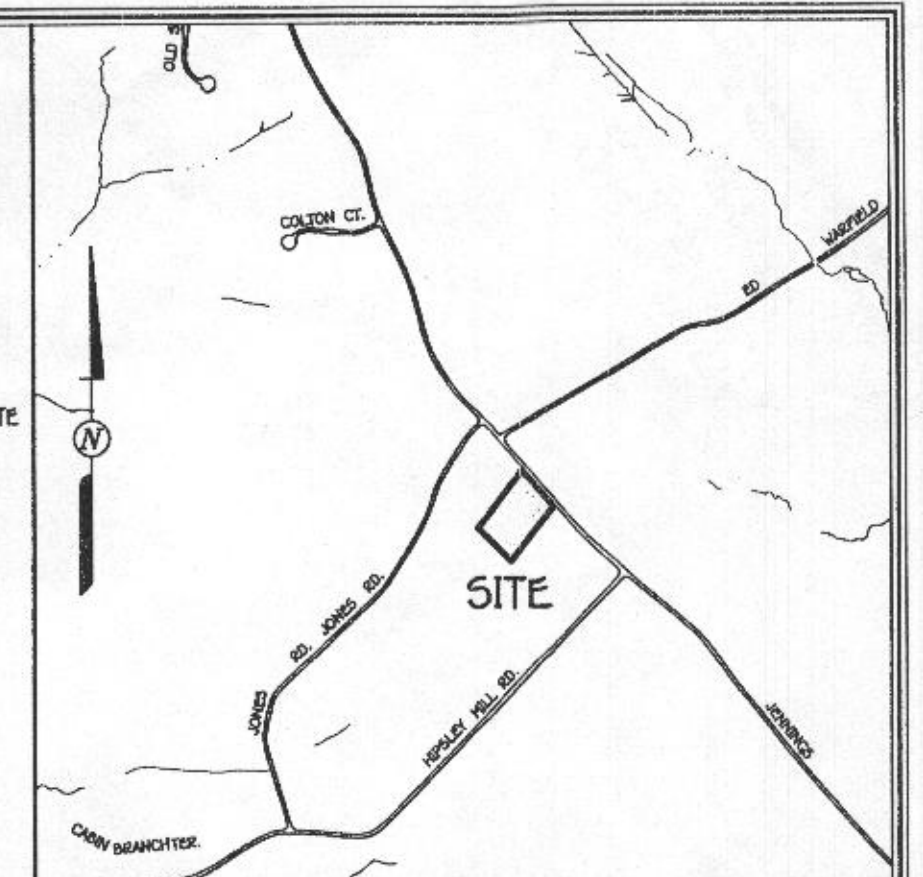
SOILS LEGEND

SOIL	NAME	CLASS	K FACTOR
GgA	Glenelg loam, 0 to 3 percent slopes	B	.37
GgB	Glenelg loam, 3 to 8 percent slopes	B	.37
GmA	Glenville silt loam, 0 to 3 percent slopes	C	.43



LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES EXISTING WELL
- DENOTES PROPOSED TREELINE
- DENOTES 1500 SQ.FT. ALTERNATE WELL SITE
- DENOTES EARTH DIKE
- DENOTES SILT FENCE
- DENOTES SUPER SILT FENCE

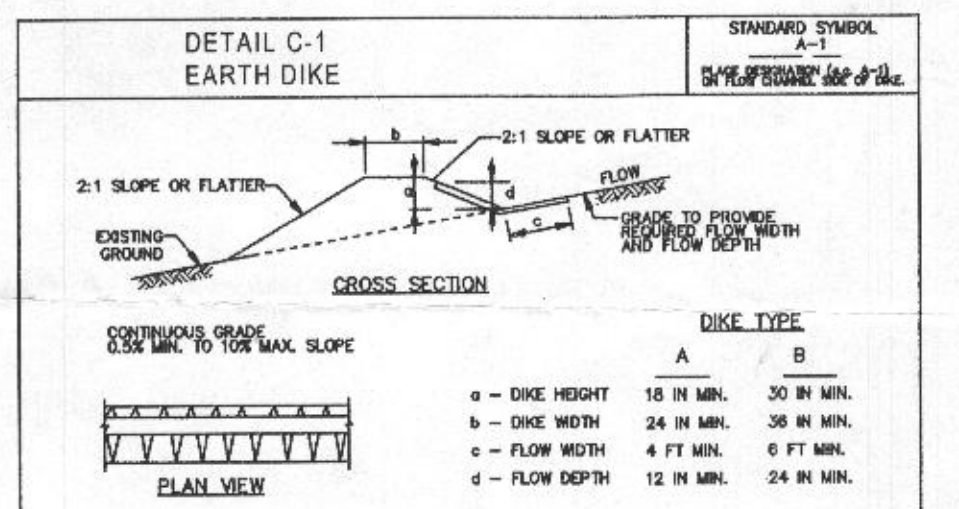


GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A PRIVATE SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC CASINGMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLEES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROSPECTIVE HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
5. TOPOGRAPHY SHOWN IN THE AREA OF THE LOT BEING DISTURBED IS BASED ON A TOPOGRAPHIC SURVEY BY FISHER, COLLINS & CARTER, INC. IN FEBRUARY, 2017 AND SUPERSEDED WITH HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
6. BOUNDARY OF LOT BASED ON FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED OCTOBER, 2016.
7. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
8. DEED REFERENCE: LIBER 17399 FOLIO 276.
9. LIMIT OF DISTURBANCE: 50,148 SQ.FT. OR 1.36 ACRES.
10. SUBSET PROPERTY ZONED: RC-300.
11. TOTAL AREA OF PROPERTY: 3.00 AC.
12. SWALS SHOWN HEREON ARE BASED ON WICES NET SOIL SURVEY AND HOWARD COUNTY SOILS MAP. THIS PLAN COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BY FILING A DECLARATION OF INTENT FOR CLEARING LESS THAN 20,000 SQ.FT. OF FOREST.

SWALE DETAIL (BEHIND HOUSE)
NOT TO SCALE

- NOTE:
- CHECK DAM SPACING = 0.75 FT / 0.02 FT/FT = 37.5 FT MIN.
 - CHECK DAMS SPACED 37.5 FT APART WITH WEIR HEIGHT OF 0.75 FT. WEIR 4 FT WIDE.



- FLOW CHANNEL STABILIZATION**
- A-1 SEED WITH STRAW MULCH AND TACK (NOT ALLOWED FOR CLEAR WATER DIVERSION).
 - A-2/B-2 SEED WITH SOIL STABILIZATION MATTING OR LIME WITH SOOD.
 - A-3/B-3 12" X 18" STONE OR EQUIVALENT RECTANGULAR CONCRETE PRESSED INTO SOIL A MINIMUM OF 7 INCHES AND FLUSH WITH GROUND.
- CONSTRUCTION SPECIFICATIONS**
1. REMOVE AND DISPOSE OF ALL TREES, BRUSH, STAMPS, OBSTRUCTIONS, AND OTHER OBSTRUCTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF EARTHDIKE.
 2. EXCAVATE AND SHAPE EARTH DIKE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
 3. COMPACT FILL.
 4. CONSTRUCT FLOW CHANNEL ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
 5. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
 6. STABILIZE EARTH DIKE WITHIN THREE DAYS OF INSTALLATION. STABILIZE FLOW CHANNEL FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
 7. MINIMUM LINE GRADE AND CROSS SECTION REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP EARTH DIKE AND POINT OF DISCHARGE FREE OF EROSION AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.
 8. UPON REMOVAL OF EARTH DIKE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL, STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

GRADING AND EROSION & SEDIMENT CONTROL PLAN
DUPLAN PROPERTY, LOT 1
3150 JENNINGS CHAPEL ROAD
ZONING: RC-DEO
TAX MAP NO. 13 GRD NO. 22 PARCEL NO. 87
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=30' DATE: JULY, 2017
SHEET 1 OF 2