

C1 1933  
 SEQUENCE NO. (MDE USE ONLY)  
 1 2 3 6  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

**STATE OF MARYLAND**  
**WELL COMPLETION REPORT**  
 FILL IN THIS FORM COMPLETELY  
 PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER

ST/CO USE ONLY  
 DATE Received  
 MM DD YY  
 8 11 26 13

DATE WELL COMPLETED  
 MM DD YY  
 10 10 13

Depth of Well  
 22 375 26  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
 HD-95 2585  
 28 29 30 31 32 33 34 35 36 37

OWNER Suddard Jonathan  
 WELL SITE ADDRESS 1413 TOWN \_\_\_\_\_  
 SUBDIVISION \_\_\_\_\_ SECTION \_\_\_\_\_ LOT 5

**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	
Top Soil	0	5	
Brn Weathered Rock	5	60	
Drk Brn Weathered Rock	60	75	
Grey Rock	75	375	
4 closed loops			
39.2574749 / 77.005113 #1			
39.245737 / 77.005121 #2			
39.245737 / 77.005730 #3			
39.245714 / 77.005148 #4			

**GROUTING RECORD** yes no  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
 TYPE OF GROUTING MATERIAL (Circle one)  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS 60 NO. OF POUNDS 1500  
 GALLONS OF WATER \_\_\_\_\_  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
 ST STEEL  
 PL PLASTIC  
 OT OTHER  
 MAIN CASING TYPE \_\_\_\_\_ Nominal diameter top (main) casing (nearest inch) \_\_\_\_\_ Total depth of main casing (nearest foot) \_\_\_\_\_  
 60 61 63 64 66 70

**OTHER CASING (if used)**  
 EACH CASING diameter inch \_\_\_\_\_ depth (feet) from \_\_\_\_\_ to \_\_\_\_\_

**SCREEN RECORD**  
 screen type or open hole  ST  BR  HO  
 PL PLASTIC  OT OTHER  
 (insert appropriate code below)

**DEPTH (nearest ft.)**  
 1 2  
 E 8 9 11 15 17 21  
 A 23 24 26 30 32 36  
 C 38 39 41 45 47 51  
 R  
 E  
 E  
 N  
 SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_  
 DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH)  
 from \_\_\_\_\_ to \_\_\_\_\_

**PUMPING TEST**

HOURS PUMPED (nearest hour) \_\_\_\_\_  
 PUMPING RATE (gal. per min.) \_\_\_\_\_  
 METHOD USED TO MEASURE PUMPING RATE \_\_\_\_\_  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING \_\_\_\_\_ ft.  
 WHEN PUMPING \_\_\_\_\_ ft.  
 TYPE OF PUMP USED (for test)  
 A air  P piston  T turbine  
 C centrifugal  R rotary  O other (describe below)  
 J jet  submersible

**PUMP INSTALLED**

DRILLER INSTALLED PUMP YES NO  
 (CIRCLE) (YES or 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) \_\_\_\_\_  
 31 35  
 PUMP HORSE POWER \_\_\_\_\_  
 37 41  
 PUMP COLUMN LENGTH (nearest ft.) \_\_\_\_\_  
 43 47  
 CASING HEIGHT (circle appropriate box and enter casing height)  
 + above } LAND SURFACE  
 - below } (nearest foot)  
 49 50 51

NUMBER OF UNSUCCESSFUL WELLS: \_\_\_\_\_  
 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

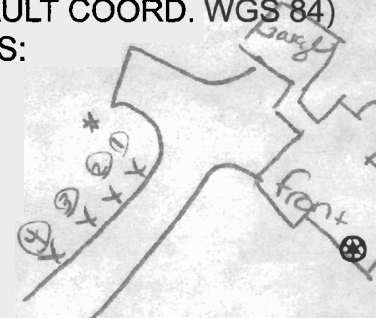
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MWD 553  
 DRILLERS SIGNATURE \_\_\_\_\_  
 (MUST MATCH SIGNATURE ON APPLICATION)  
 LIC. NO. 144

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

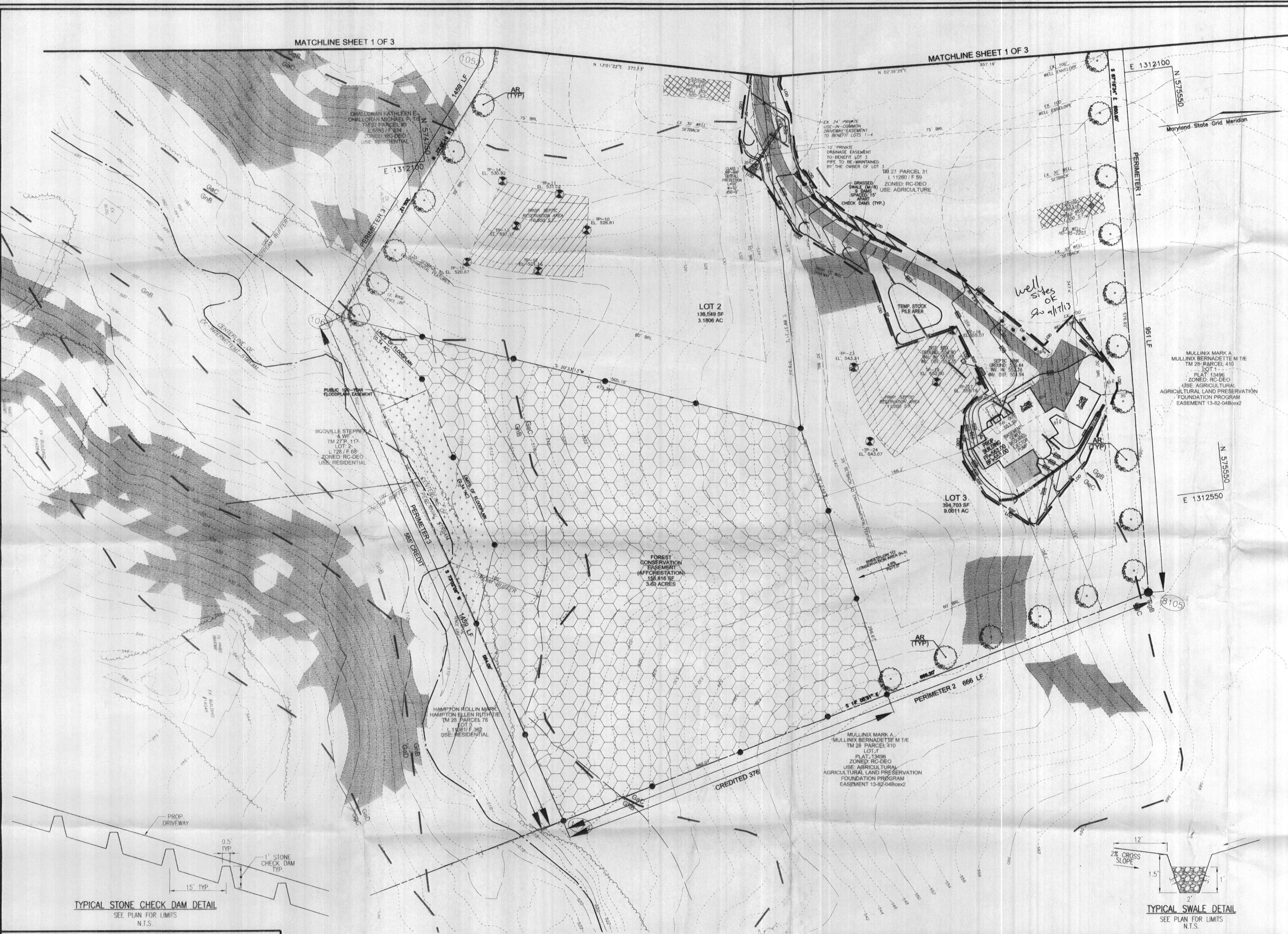
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 \_\_\_\_\_

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

LATITUDE 39.2574749  
 LONGITUDE 77.005113  
 (DEFAULT COORD. WGS 84)  
 NOTES:  


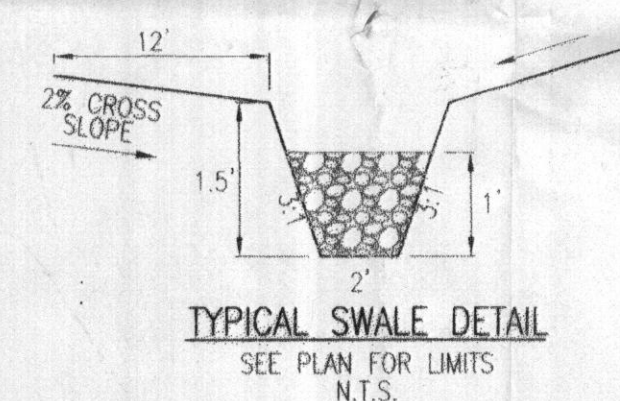
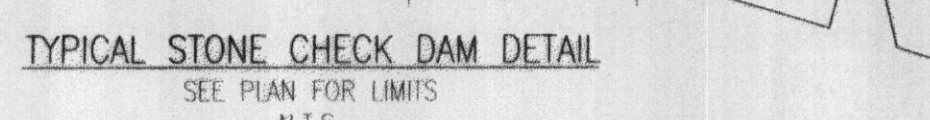
MATCHLINE SHEET 1 OF 3

MATCHLINE SHEET 1 OF 3



**LEGEND:**

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJACENT PROPERTY LINE
	EXISTING CURB AND GUTTER
	EXISTING UTILITY POLE
	EXISTING LIGHT POLE
	EXISTING MAILBOX
	EXISTING SIGN
	EXISTING SANITARY MANHOLE
	EXISTING SANITARY LINE
	EXISTING CLEANOUT
	EXISTING FIRE HYDRANT
	EXISTING WATER LINE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	SOILS
	EXISTING TREE LINE
	EXISTING TREES
	PROPOSED TREES
	EXISTING 15' WIDE RIGHT OF WAY L:11260/F:59-L:300/F:315
	EX. 24' PRIVATE USE-IN-COMMON DRIVEWAY EASEMENT
	EXISTING FENCE
	CENTERLINE OF EXISTING STREAM
	PROPOSED STORMDRAIN
	PROPOSED TREE LINE
	PROPOSED 10' CONTOUR
	PROPOSED 2' CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED SILT FENCE
	PROPOSED SUPER SILT FENCE
	PROPOSED DIVISION FENCE
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED EROSION CONTROL MATTING
	MODERATE SLOPES
	PROPOSED PAVEMENT
	NON-ROOF TOP DISCONNECTS (N-2)
	PERC TEST
	EXISTING WELL
	EX. PRIVATE WELL AREA ECP-11-005
	EXISTING 50' WIDE RIGHT OF WAY L:11260/F:59-L:424/F:552 L:436/F:280
	EXISTING FOREST CONSERVATION EASEMENT (AFFORESTATION)
	EXISTING FLOODPLAIN



**DEVELOPER'S CERTIFICATE**

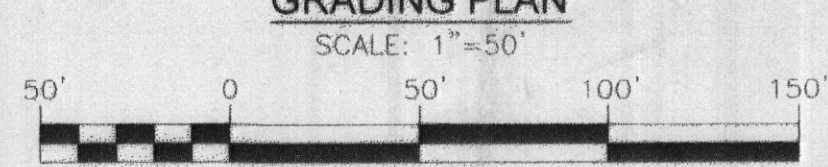
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

*Jonathan Studdard*  
SIGNATURE OF DEVELOPER

**SOILS LEGEND**

SYMBOL	NAME / DESCRIPTION	GROUP
GcC	GAILA LOAM, 8 TO 15 PERCENT SLOPES	B
GcD	GAILA LOAM, 15 TO 25 PERCENT SLOPES	B
GcB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B
GcC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C
GmB	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C
LmB	LEGORE-MONTALTO SILT LOAMS, 3 TO 8 PERCENT SLOPES	C

**GRADING PLAN**



**ENGINEER'S CERTIFICATE**

"I HEREBY CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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."

*John R. Studdard*  
SIGNATURE OF ENGINEER  
DATE: 11/25/12

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

*John R. Studdard*  
HOWARD SCD  
DATE: 11/25/12

**OWNER/DEVELOPER**  
JONATHAN STUDDARD  
AMY B. STUDDARD  
14118 HOWARD ROAD  
DAYTON MD, 21036  
443-364-8075

NO.	REVISION	DATE

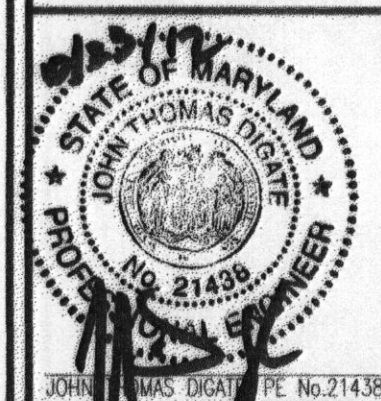
**GRADING PLAN**

STUDDARD PROPERTY  
LOT 3

TAX MAP 27 BLOCK 6  
5TH ELECTION DISTRICT  
DPZ REF'S: ECP-11-005, WP-10-016

L. 11260/F. 59  
PARCEL 31, ZONED RC-DEO  
HOWARD COUNTY, MARYLAND

**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET  
ELLICOTT CITY, MD 21043  
TEL: 410.461.7666  
FAX: 410.461.8961



**PROFESSIONAL CERTIFICATE**  
DESIGN BY: JTD  
DRAWN BY: JMR  
CHECKED BY: JTD  
DATE: OCTOBER 2012  
SCALE: AS SHOWN  
W.O. NO.: 08-50

2 SHEET OF 3