



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: _____

Permit No.: _____

Building Address: 13280 TRIADDELPHIA MILL RD
City: CLARKSVILLE State: MD Zip Code: 21029
Suite/Apt. #: _____ SDP/WP/BA #: _____
Census Tract: _____ Subdivision: 3952
Section: _____ Area: _____ Lot: A
Tax Map: 34 Parcel: 414 Grid: _____
Zoning: _____ Map Coordinates: _____ Lot Size: 13.18 AC

Existing Use: SFD
Proposed Use: SFD
Estimated Construction Cost: \$ 20,000
Description of Work: construct 800 SF inground concrete pool w/ Auto cover AND patio (1,000 SF)
Occupant/Tenant Name: JAMES SMITH
Was tenant space previously occupied? ☐ Yes ☐ No
Contact Name: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Property Owner's Name: JAMES SMITH
Address: 13280 TRIADDELPHIA MILL RD
City: CLARKSVILLE State: MD Zip Code: 21029
Phone: _____ Fax: _____
Email: _____

Applicant's Name & Mailing Address, (If other than stated herein)

Applicant's Name: MARK SHAFER
Address: 8335 PULASKI HWY
City: ROSCDALE State: MD Zip Code: 21237
Phone: 410 808 2505 Fax: _____
Email: MARK@ELITEPOOLS.COM

Contractor Company: ELITE POOLS
Contact Person: MARK SHAFER
Address: 8335 PULASKI HWY
City: ROSCDALE State: MD Zip Code: 21237
License No.: 71753
Phone: 410 641 7942 Fax: _____
Email: MARK@ELITEPOOLS.COM

Engineer/Architect Company: _____
Responsible Design Prof.: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories:	<u>Depth</u> <u>Width</u>
Gross area, sq. ft./floor:	1 st floor:
	2 nd floor:
Area of construction (sq. ft.):	Basement:
	<input type="checkbox"/> Finished Basement
Use group:	<input type="checkbox"/> Unfinished Basement
	<input type="checkbox"/> Crawl Space
<u>Construction type:</u>	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:
<input type="checkbox"/> Structural Steel	<u>Multi-family Dwelling</u>
<input type="checkbox"/> Masonry	No. of efficiency units:
<input type="checkbox"/> Wood Frame	No. of 1 BR units:
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:
<input type="checkbox"/> Yes <input type="checkbox"/> No	Roof:
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<u>Water Supply</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Sewage Disposal</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Heating System</u>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<u>Sprinkler System:</u>	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
<u>Grading Permit Number:</u>	
<u>Building Shell Permit Number:</u>	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Mark Shafer
Email Address: MARK@ELITEPOOLS.COM
Title/Company: Project Manager

Print Name: MARK SHAFER
Date: Aug 9, 2018

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

PLEASE WRITE NEATLY & LEGIBLY

-FOR OFFICE USE ONLY-

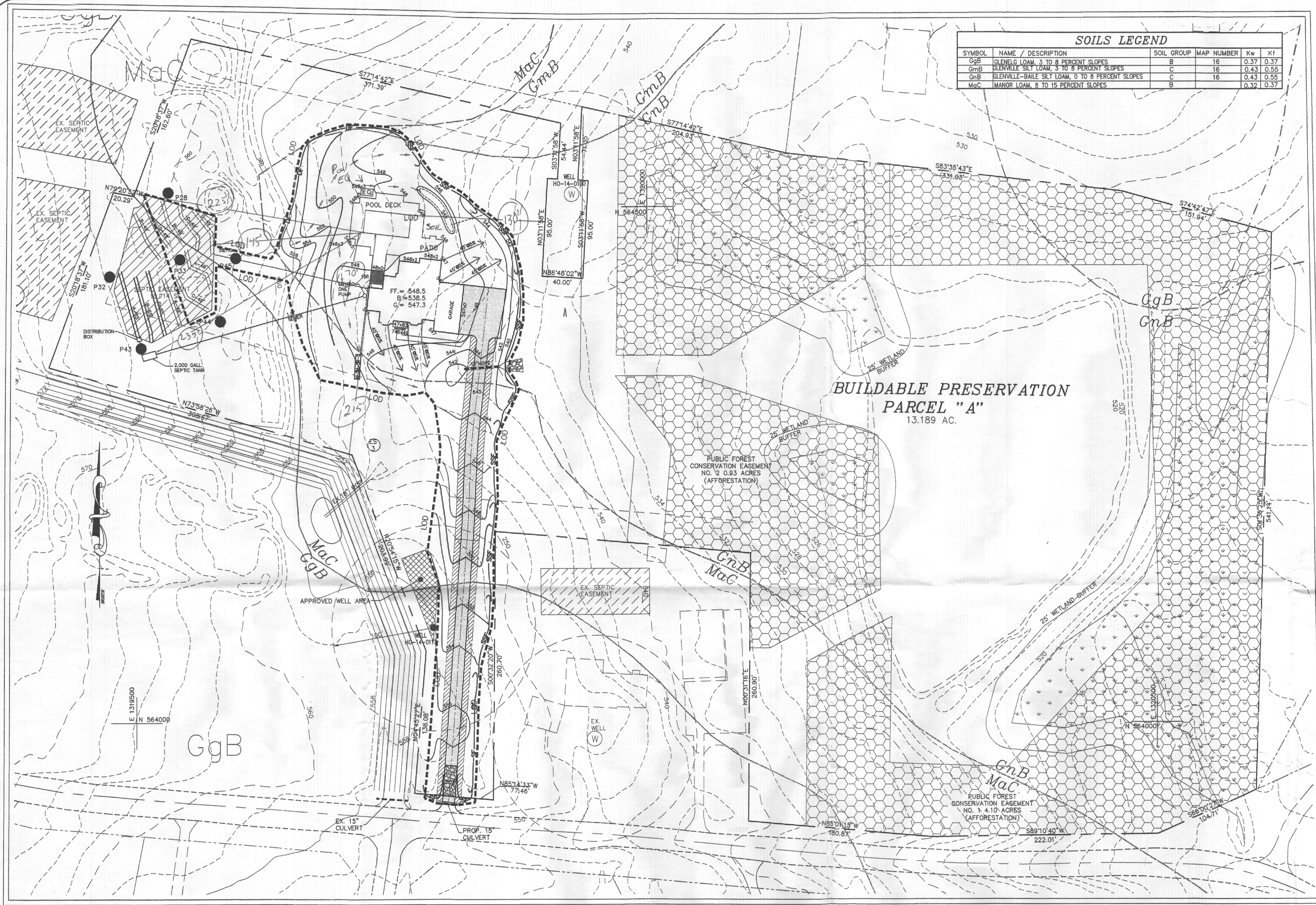
AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>8/9/2018</u>	<u>Mark Shafer</u>

Is Sediment Control approval required for issuance? ☐ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START

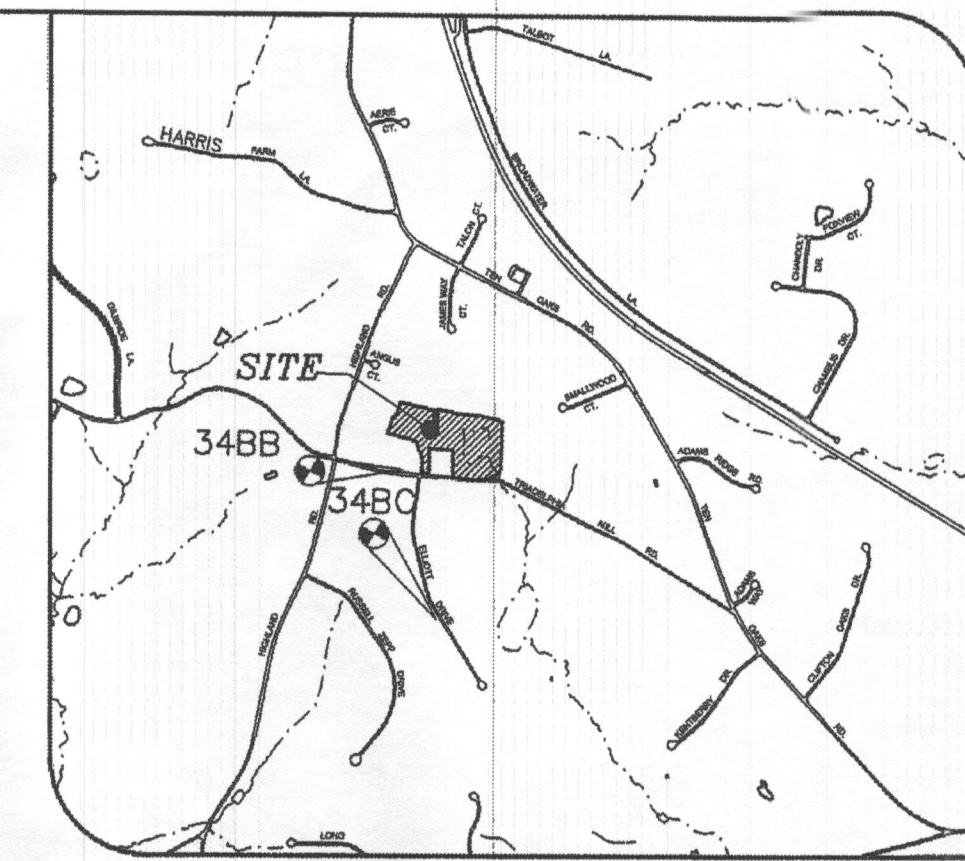
DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	#

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA



SOILS LEGEND					
SYMBOL	NAME / DESCRIPTION	SOIL GROUP	MAP NUMBER	Kw	Kf
GgB	GLENNVILLE LOAM, 3 TO 8 PERCENT SLOPES	B	16	0.37	0.37
GmB	GLENNVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	16	0.43	0.55
GnB	GLENNVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES	C	16	0.43	0.55
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	16	0.32	0.37



- GENERAL NOTES:**
- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
 - PARCEL BACKGROUND:**
TAX MAP : 34
PARCEL : 414
LOT: BUILDABLE PRESERVATION PARCEL "A"
DEED REFERENCE: LIBER 17637 FOLIO 74
ELECTION DISTRICT: FIFTH
ZONING: RR-DEO
AREA: 13.19 AC.
 - 2' TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON FIELD RUN SURVEY PERFORMED BY MILDENBERG, BOENDER & ASSOC., INC. ON OR ABOUT DECEMBER 2016.
 - PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
 - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 MODIFIED EASEMENT SHALL NOT BE NECESSARY.
 - ANY CHANGES TO THE LOCATION OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED PLAN MAY BE REQUIRED.
 - THE MAXIMUM EARTH COVER OVER THE TANK IS THREE (3) FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - WELL TAG# HO-14-0117 HAS BEEN SHOWN AS PER THE APPROVED PERCOLATION CERTIFICATION REVISION PLAN.
 - ANY WELLS OR SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
 - COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS
STA. No. 34BB N 563,899.232 E 1,319,560.973 ELEV. 559.29
STA. No. 34BC N 562,546.600 E 1,319,851.319 ELEV. 529.57
 - THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS (COUNCIL BILL 45-2003). DEVELOPMENT OR CONSTRUCTION OF THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION OR BUILDING/GRADING PERMIT.
 - WETLANDS OR STREAMS EXIST ON SITE.
 - FOREST STAND DELINEATION AND ENVIRONMENTAL STUDIES HAVE BEEN PROVIDED UNDER F-08-041.
 - THERE ARE NO EXISTING STRUCTURES ON SITE.
 - NO AREAS OF STEEP SLOPES 25% OR GREATER ARE LOCATED WITHIN THE PROPOSED AREA OF DISTURBANCE.
 - FOREST CONSERVATION OBLIGATIONS HAVE BEEN MET UNDER F-08--101.

SWM CALCULATIONS
ESD REQUIRED
LOT AREA = 13,189 AC
DEVELOPABLE AREA: 4.870 AC (212,022 S.F.)
HOUSE AREA = 4,580 SF
DRIVEWAY AREA = 4,720 SF
WALK AREA = 390 SF
PATIO AND POOL DECK AREA = 4,420 S.F.
TOTAL IMPERVIOUS AREA = 14,110 SF
IMPERVIOUS RATIO = 6.6%
SOIL TYPE: B AND C
REQUIRED $P_e = 1.0'$ [TABLE 5.3]
ESDv PROVIDED: $(14,110)(0.95)/12 = 1,117$ C.F.
DRIVEWAY AND WALKWAY:
NON-ROOFTOP DISCONNECTIONS AT 1:1 RATIO OF CONTRIBUTING IMPERVIOUS LENGTH TO DISCONNECTION LENGTH AND PERVIOUS LENGTH RATIO TO DISCONNECTION LENGTH OF MORE THAN 0.5:1 (N-1) OF THE MDE DESIGN MANUAL
AREA OF N-1 NON-ROOFTOP DISCONNECTION = 5,110 SF
ESDv PROVIDED: $(5,110)(0.95)/12 = 405$
ESDv PROVIDED 405 CF
HOUSE:
SEVEN (7) ROOFTOP DISCONNECTIONS AT A MINIMUM OF 45' EACH WITH AN AVERAGE SLOPE OF LESS THAN 5% AND CONTRIBUTION AREA OF LESS THAN 500 S.F. FOR EACH DISCONNECTION, (N-1) OF THE MDE DESIGN MANUAL
ESDv PROVIDED: $(7)(500)(0.6)(0.95)/12$
ESDv PROVIDED 166 CF
THREE (3) MOD. DRYWELLS, STORM-TECH CHAMBERS (SC-750) AT 75 CF EACH OF STORAGE, (M-5) OF THE MDE DESIGN MANUAL
ESDv PROVIDED: $(3)(75) = 225$
ESDv PROVIDED 225 CF
PATIO AND POOL DECK:
MICRO-BIORETENTION
ESDv REQUIRED: $(4,420)(0.95)/12 = 350$ C.F.
DA=10,200 S.F.
MIN. SURFACE AREA REQUIRED (2% DA)=204 S.F.
SURFACE AREA PROVIDED=270 S.F.
PONDING AREA PROVIDED=500 S.F.
PONDING DEPTH=12
SITE SLOPE=2:1
VOLUME IN PONDING REQUIRED (75%):=263 C.F.
VOLUME IN PONDING PROVIDED:330 C.F.
GRAVEL DEPTH=12"
VOLUME IN GRAVEL PROVIDED:=108 C.F.
ESDv PROVIDED 408 C.F.
TOTAL ESDv PROVIDED
 $405+166+225+408 = 1,204$ C.F.

DEVELOPERS CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY 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. HOWARD SOIL CONSERVATION DISTRICT IS AUTHORIZED TO PERIODIC ON-SITE INSPECTION.

SIGNATURE OF DEVELOPER _____ DATE _____
PRINTED NAME OF DEVELOPER _____

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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 NATURAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF ENGINEER _____ DATE _____
R. JACOB HIKMAT, P.E.
PRINTED NAME OF ENGINEER _____

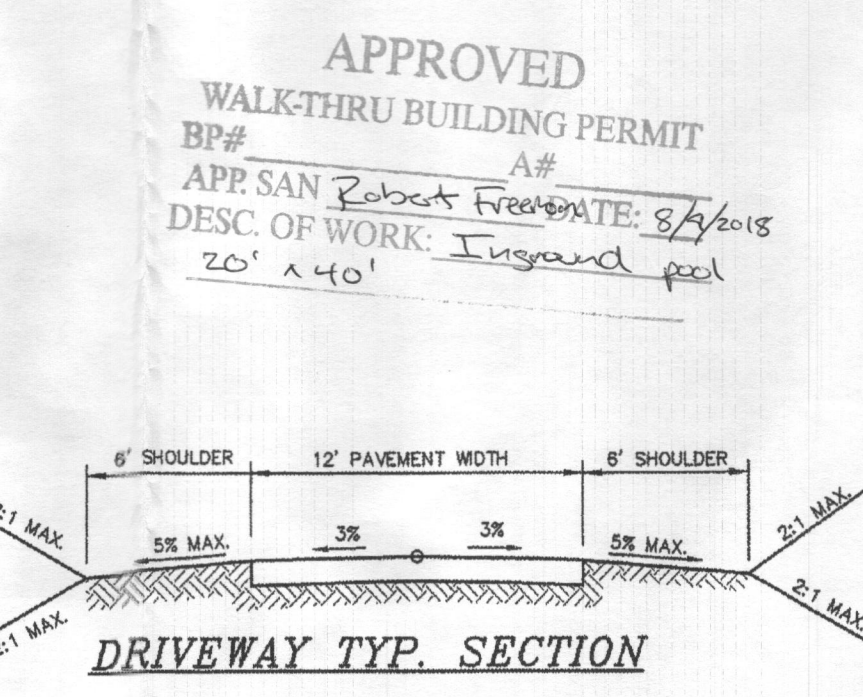
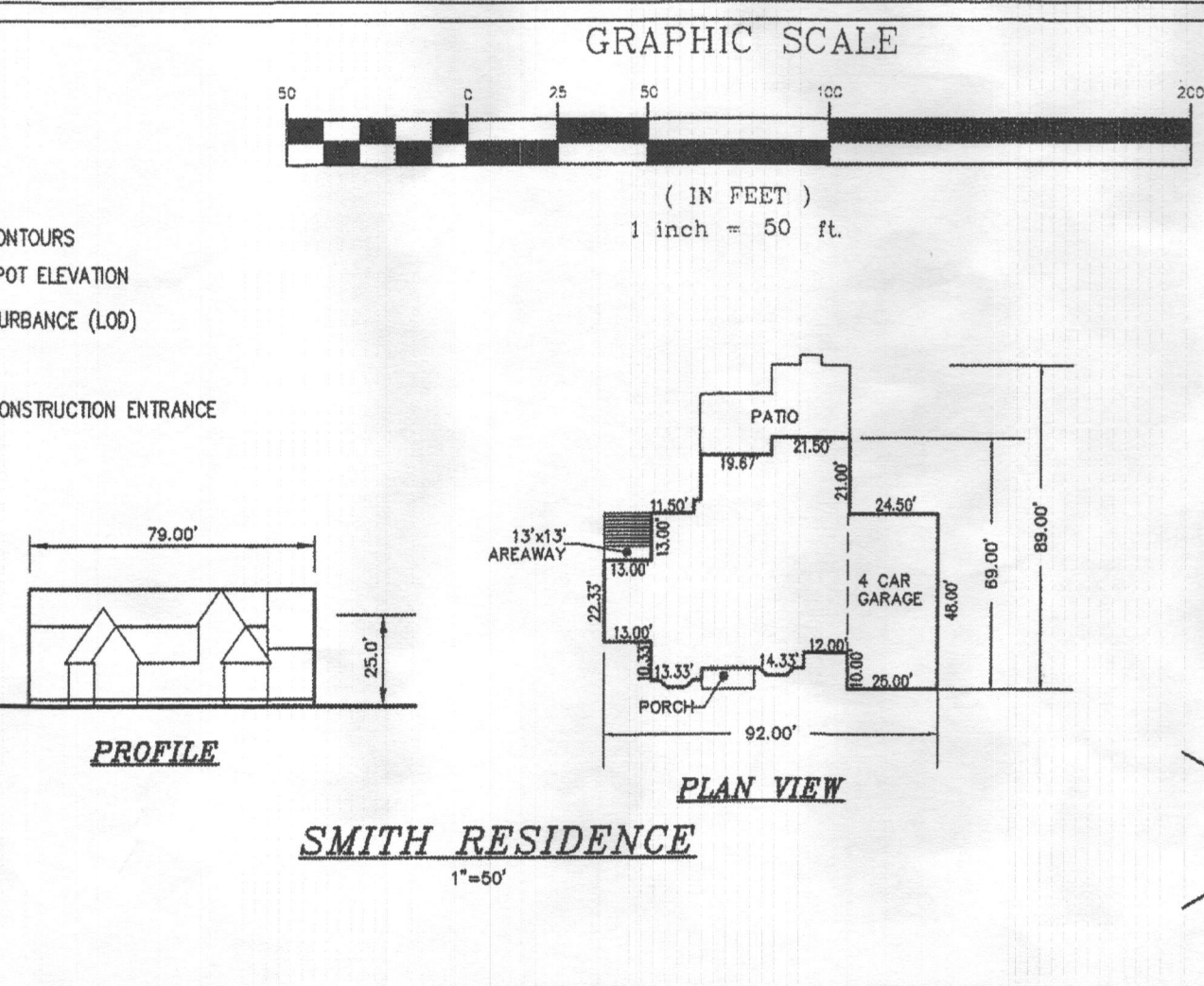
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT _____ DATE _____

DEVELOPER
ZANDER HOMES
10829 FALLS ROAD
LUTHERVILLE, MD. 21092
443-421-2800

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. 17942, EXP. DATE 9/03/18.

R. JACOB HIKMAT, P.E. _____ DATE _____



Project date: OCT 2017
Illustration: 17-014
Scale: MAM
Description: MAM
Revisions: R/H

Project date: 17-014
Illustration: MAM
Scale: MAM
Description: MAM
Revisions: R/H

JACK'S LANDING
BUILDABLE PRESERVATION PARCEL "A"
TAX MAP 34, PARCEL 414, PLAT 23962-55
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ONSITE SEWAGE DISPOSAL SYSTEM PLAN (PLOT PLAN)

MILDENBERG, ASSOC., INC.
Boender & Assoc., Inc.
Engineers Planners Surveyors
7350-B Grace Drive, Columbia, Maryland 21044
(410) 997-0236 Tel. (410) 997-0238 Fax.

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