



# 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: 13560 Broccoli line way  
 City: Clarksville State: \_\_\_\_\_ Zip Code: 21029  
 Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
 Census Tract: \_\_\_\_\_ Subdivision: Brighton Mill  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: 5  
 Tax Map: 34 Parcel: 2 Grid: 2  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: 43,328

Existing Use: SFD  
 Proposed Use: Retaining Wall  
 Estimated Construction Cost: \$ 5,000.00  
 Description of Work: 50' of Retaining wall 4' tall

Occupant or Tenant: \_\_\_\_\_  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Property Owner's Name: Muhamad Maghari  
 Address: 13560 Broccoli line way  
 City: Clarksville State: MD Zip Code: 21029  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Applicant's Name & Mailing Address, (If other than stated herein)  
 Applicant's Name: Karen Rowley  
 Address: 293 Southland Ct.  
 City: Dunkirk State: MD Zip Code: 20754  
 Phone: 410-507-7705 Fax: \_\_\_\_\_  
 Email: Khkpermits05@yahoo.com

Contractor Company: Anthony & Sylvan Pools  
 Contact Person: Alan Walker  
 Address: 8260 Preston Ct.  
 City: Jessup State: MD Zip Code: 20794  
 License No.: 958782  
 Phone: 410-984-6405 Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

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:	Depth	Width
Gross area, sq. ft./floor:	1 <sup>st</sup> floor:	
	2 <sup>nd</sup> floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
<b>Construction type:</b>	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:	
<input type="checkbox"/> Structural Steel	<b>Multi-family Dwelling</b>	
<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:	
<b>Roadside Tree Project Permit</b>	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
<b>Roadside Tree Project Permit #</b>	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

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

I/HE 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.

Karen Rowley  
 Applicant's Signature  
 \_\_\_\_\_  
 Email Address  
Anthony & Sylvan Pools  
 Title/Company

Karen Rowley  
 Print Name  
 \_\_\_\_\_  
11/12/15  
 Date

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>11/12/15</u>	<u>[Signature]</u>

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	#

COUNTY REGULATIONS MAY REQUIRE  
SEPARATE AND DISTINCT DOOR ALARMS  
ON ANY DOOR OPENING INTO THE POOL AREA

APPROVED

WALK-THRU BUILDING PERMIT

BP#

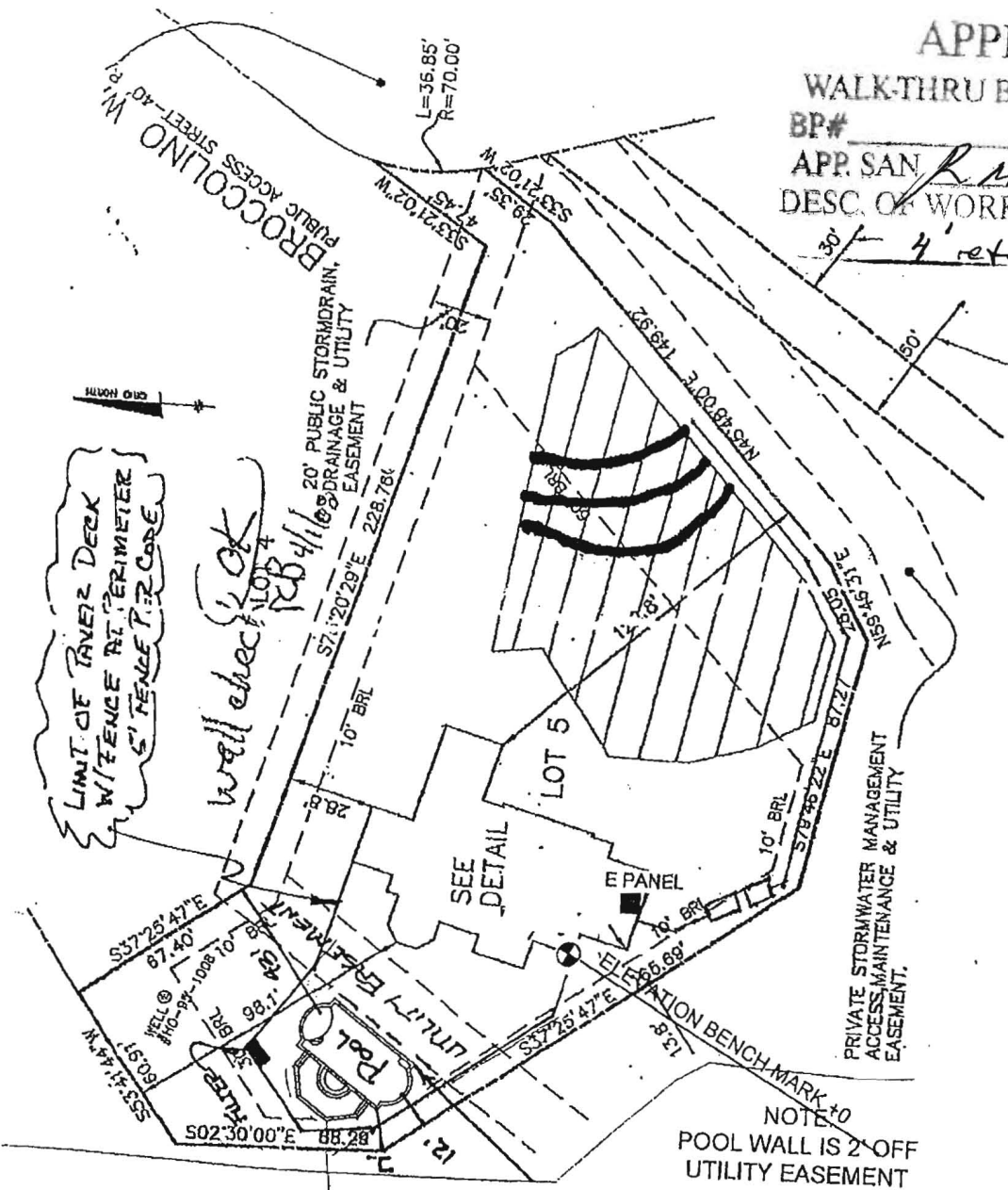
A#

APP. SAN *R. M. M.*

DATE: 11-12-2015

DESC. OF WORK:

4' retaining wall approved as shown



LIMIT OF RAVERZ DECK  
W/FENCE AT PERIMETER  
5' FENCE PER CORE

well checked  
LO#4  
12B4/1

SEE  
DETAIL

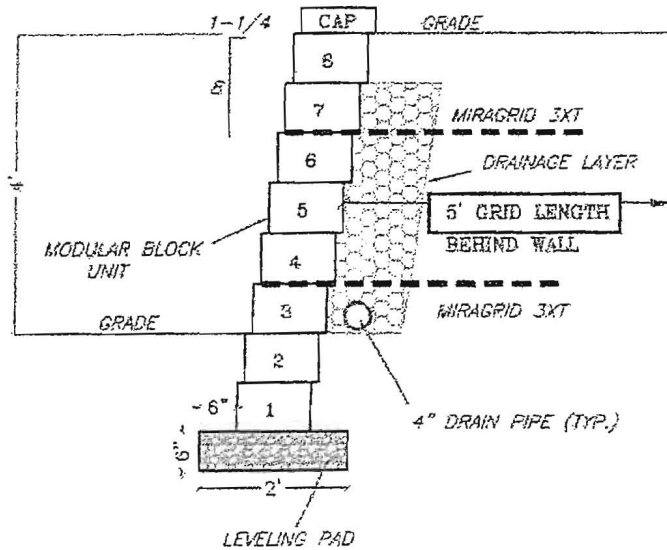
E PANEL

PRIVATE STORMWATER MANAGEMENT  
ACCESS MAINTENANCE & UTILITY  
EASEMENT.

NOTE  
POOL WALL IS 2' OFF  
UTILITY EASEMENT

retaining wall

Scale 1"=60'



TYPICAL REINFORCED SECTION (8 COURSES OR LESS)

SCALE: 3/8" = 1'

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. 27189, EXPIRATION DATE: 3/28/18.

SIGNED: \_\_\_\_\_

DATE: 11/9/15



**GROUND TEK ENGINEERING, LLC**  
 GEOTECHNICAL ENGINEERING & CONSTRUCTION INSPECTION  
 P.O. BOX 782, BEL AIR, MD 21014  
 PHONE: 410-878-8189, FAX: 410-836-0119

**RETAINING WALL SECTION**

13560 Broccolino Way  
 Howard County, Maryland

## SEGMENTAL RETAINING WALL DESIGN

Project: 1356 BROCCOLINE WAY
Retaining Wall

<u>INPUT VALUES</u>		
$\gamma =$	125	pcf
$\phi =$	26	deg.
$h =$	5.33	ft.
$q =$	0	lb.
$F_{act} S_{afe} =$	1.8	
$Z =$	2	ft.

<u>RESULTANT VALUES</u>	
$K_a = \tan^2((45 - (\phi/2))) =$	0.39
$EFP @ h = K_a(q + \gamma h) =$	260.15 lb.
$F = qhK_a + \gamma K_a h^2 / 2 =$	693.29 lb.
Grid length (L) beyond active zone = zone = $(F * FS) / (2\gamma h (\tan \phi / 2)) =$	4.06 ft.
Min grid length = $h * \tan(45 - \phi / 2)$	3.33 ft.
Grid Tension = $EFP @ h * Z =$	520.29 lb.
$M_{overturn} = F * h / 2 =$	1,847.61 ft.-lb.
$M_{resist} = (Lh\gamma + qL) * (L/2) =$	5,481.70 ft.-lb.
$FS_{overturn} = M_{res} / M_{ov} =$	2.97
$FS_{slt} = 0.4(\gamma H + q) / F$	1.56

Z = VERT. SPACING BETWEEN GRIDS

### LONG TERM DESIGN STRENGTH

3XT	=	1328
5XT	=	1733
7XT	=	2157
8XT	=	3089
10XT	=	4116
STRATA20	=	1919
STRATA35	=	2666

