



HOWARD COUNTY HEALTH DEPARTMENT

71475 ^{AS}

DATE
3 / 30 / 22

Received From

Rafat Jacob Hikmat

PHONE #

443 538 9547

CASH

CHECK

NO. 188

For

Pinnell Overlook - 3 Lots

5294 Pinnell School Rd. Lots 1, 2 + 3

Follow map 20759

One thousand five hundred + eight

Dollars

\$ 1518 00

Received By

V. McKone

Maura J. Rossman, M.D., Health Officer

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

ASPH/TS

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME PINDELL OVERLOOK
 PROPERTY ADDRESS 5294 PINDELL SCHOOL RD FULTON, MD 20759
STREET TOWN ZIP
 TAX ACCOUNT # 05-345510 TAX MAP 41 GRID 13 PARCEL 66 LOT NO. _____ PROPOSED LOT SIZE (ACRES) 10.44
 ZONING CATEGORY RR-DEO TIER _____

PROPERTY OWNER(S)

STATEWIDE SPORTMAN, INC. C/O JAMES MCKENZIE
 DAYTIME PHONE _____ CELL _____ EMAIL _____
 MAILING ADDRESS 7360 HOPKINS WAY CLARKSVILLE, MD 21029
STREET CITY, STATE ZIP

APPLICANT

JACOB HIKMAT RELATIONSHIP TO OWNER: _____
 DAYTIME PHONE _____ CELL 443-5389549 EMAIL jhikmat@hotmail.com
 MAILING ADDRESS 5550 STERRETT PLACE #103 COLUMBIA, MD 21044
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

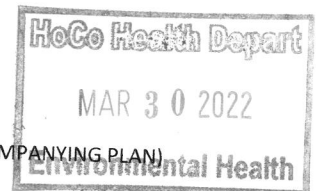
- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 3
- SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH _____ EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO



AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

[Signature]

3.30.22

SIGNATURE OF APPLICANT

DATE

RECEIPT

Howard County, MD
HOWARD COUNTY HEALTH DEPARTMENT
ASCEND ONE BUILDING
Columbia, MD 21045
8930 STANFORD BLVD

Application: WS-PT-22-00860

Application Type: EnvHealth/Well and Septic/Percolation Test/Application
Address: 5294 Pindell School RD, Fulton, md 20754

Receipt No.	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
	3360					
Payment Method	188	\$1,518.00	03/30/2022	JUKING		
Check						5294 Pindell School Rd 3 lots

Owner Info.: Jacob Hikaat

Work Description:

February 18, 2022

RE: Pindell School Road Property
Tax Map 41, Parcel 66
Howard County, MD
10.44 +/- Acres

To whom it may concern:

The purpose of this letter is to grant R. Jacob Hikmat and/or his agents permission to enter the property to perform surveying and soils tests, and to sign all applications and checklists required by Howard County or other governmental agencies for the purpose of developing the above referenced property.

Very truly yours

DocuSigned by:

A handwritten signature in black ink that reads "JAMES MCKENZIE". The signature is written in all caps and has a cursive, slightly slanted style.

3BC8D807A52C493...

James McKenzie
President
Statewide Sportmen, Inc

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, March 8, 2023 8:40 AM
To: Maya Mildenberg
Subject: RE: Perc Test Results_7594 Pindell School Road

Hi Maya:

Yes, we need field run 1' topo on the test plan.

Thanks,

Hank

From: Maya Mildenberg <maya@mba-eng.com>
Sent: Tuesday, March 7, 2023 1:44 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: Perc Test Results_7594 Pindell School Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Do you need 1' topo for test location plan? We can up-date topo at perc plat.
Please advise

Thanks

Maya Mildenberg

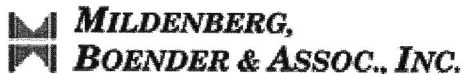
Vice president

Mildenberg, Boender & Assoc., Inc.

8318 Forrest Street – Suite 300

Ellicott City, MD 21043

(410) 997-0296



From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, March 3, 2023 2:58 PM
To: Jacob Hikmat <jhikmat@hotmail.com>
Cc: Maya Mildenberg <maya@mba-eng.com>; Samer Alomer <salomer@mba-eng.com>; Silvast, Zackary <zsilvast@howardcountymd.gov>
Subject: RE: Perc Test Results_7594 Pindell School Road

Thank you Jacob.

A sand mound test plan is similar to a regular test plan, plus it shows 1' field run topo in the proposed area. It also includes the proposed mound (with gravel beds) locations along contour meeting all of the general requirements with proposed mound test sites shown at each end of the proposed mound site. The plan should include equations for calculating the sand mound dimensions. The mounds should be placed in areas that haven't been disturbed/dug up, rolled over, or compacted with a backhoe. The slopes must be less than 12%, and avoid depressions and concave slopes (25 feet from swales). It should also show 25 foot protected area downslope of the proposed sand mound which is part of the SDA. Add a note stating that a mini track excavator is required for sand mound testing. I've attached an example of a plan showing only 2 sand mounds with a 25' buffer, but on this plan 3 sand mound locations are required for each proposed lot.

Please let me know if you have any questions.

Thanks,

Hank

From: Jacob Hikmat <jhikmat@hotmail.com>

Sent: Friday, March 3, 2023 10:45 AM

To: Oswald, Hank <hoswald@howardcountymd.gov>

Cc: Maya Mildenberg <maya@mba-eng.com>; Samer Alomer <salomer@mba-eng.com>

Subject: Re: Perc Test Results_7594 Pindell School Road

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Hank

Yes there was. We failed all holes due to ground water

We agreed that sand mound is the way to go

WE ARE TESTING FOR SAND MOUND

sorry about the confusion

So please, review for sand mound

Thanks

On Mar 3, 2023, at 10:32 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Jacob:

Yes, I thought there had been some discussion about sand mound testing, but I could be thinking about another project.

Thanks,

Hank

From: Jacob Hikmat <jhikmat@hotmail.com>
Sent: Wednesday, March 1, 2023 2:10 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Maya Mildenberg <maya@mba-eng.com>; Samer Alomer <salomer@mba-eng.com>
Subject: Re: Perc Test Results_7594 Pindell School Road

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Hank

I have been away from engineering for a while

You mean sand mound?

Thank you

On Mar 1, 2023, at 1:06 PM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Maya:

Thanks for the quick turnaround. I look forward to reviewing the test plan when it comes in. I have a quick question. Is this test plan meant for a future subsurface trench design?

Thanks,

Hank
Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
(410) 313 - 1786
www.hchealth.org

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From: Maya Mildenberg <maya@mba-eng.com>
Sent: Wednesday, March 1, 2023 10:00 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: jhikmat@hotmail.com; Samer Alomer <salomer@mba-eng.com>
Subject: FW: Perc Test Results_7594 Pindell School Road

Cc: jhikmat@hotmail.com; Samer Alomer
<salomer@mba-eng.com>
Subject: FW: Perc Test Results_7594 Pindell School
Road

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Good afternoon, Hank

Attached is a revised Percolation Test Plan for the above mentioned project. We want to test this for the sand mound system.

Thanks

Maya M Mildenberg
Vice President
Mildenberg, Boender & Assoc., Inc.
8318 Forrest Street, Suite 300, Ellicott City, MD
21043
410-997-0296
<image001.png>

From: Jacob Hikmat <jhikmat@hotmail.com>
Sent: Thursday, June 16, 2022 1:52 PM
To: Maya Mildenberg <maya@mba-eng.com>; Samer Alomer <salomer@mba-eng.com>
Subject: Fw: Perc Test Results_7594 Pindell School Road

R. Jacob Hikmat, P.E.
5550 Sterrett Place, Suite 103
Columbia, MD 21044
(443) 538-9547 (Cell)

From: Oswald, Hank <hoswald@howardcountymd.gov>

Sent: Wednesday, April 20, 2022 2:50 PM

To: 'Jacob Hikmat' (jhikmat@hotmail.com)
<jhikmat@hotmail.com>

Subject: Perc Test Results_7594 Pindell School Road

Hi Jacob:

Attached, please find the perc test results for 7594 Pindell School Road. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Well & Septic Program
410.313.1786
hoswald@howardcountymd.gov

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
(410) 313 - 1786
www.hchealth.org

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From: Jacob Hikmat <jhikmat@hotmail.com>
Sent: Wednesday, March 1, 2023 7:02 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Re: Perc Test Results_7594 Pindell School Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good morning Hank

Do we know when wet season will be?

Could we have some dates to test?

Thanks

On Jun 17, 2022, at 8:28 AM, Oswald, Hank
<hoswald@howardcountymd.gov> wrote:

Thanks. I will get back to you about the sand mound test plan after co-reviewing this with my supervisor Zack Silvast. I've copied him on this email, so that he is aware.

Hank

From: Maya Mildenberg <maya@mba-eng.com>
Sent: Thursday, June 16, 2022 2:00 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>

Sand mound Test Plan

- 2 test holes per mound. 6 test sites per SDA
- 60' - 70' length between test holes
- 25' no compaction zone below 3rd sys & part of SDA
- 3rd sys on all proposed beds
- Lot 2: mounds must be a little more on contours.
- track backhoe
- Add note: must leave enough area mound construction & perc testing
- 7600 - ^{whys} septic

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, March 21, 2023 3:02 PM
To: 'Maya Mildenberg'
Cc: jhikmat@hotmail.com; Samer Alomer; Silvast, Zackary
Subject: RE: Sand Mound Test Plan_7594 Pindell School Road_Wet Season Testing
Attachments: Perc Test Plan.pdf

Hi Maya:

Good afternoon. The sand mound plan for 7594 Pindell School Road has been reviewed with the following comments:

1. Show a test hole on the ends of each proposed sand mound system, and space them approximately 60 apart to allow for changes to the length of the mound.
2. Show a 25 foot no compaction zone below the 3rd system, and make it part of the SDA.
3. Calculation #6: Absorption Bed Width should be $625/45 = 13.89$ or 14.
4. Adjust the SDAs according to the markups on the plan (see attached).
5. Add a note stating that a mini track excavator is required for the sand mound tests.
6. Space things out to allow enough room for each perc tests, and sand mound construction (if possible).
7. Show the septic system on 7600 Pindell School Road.

Should you have any questions, please don't hesitate to ask.

Regards,

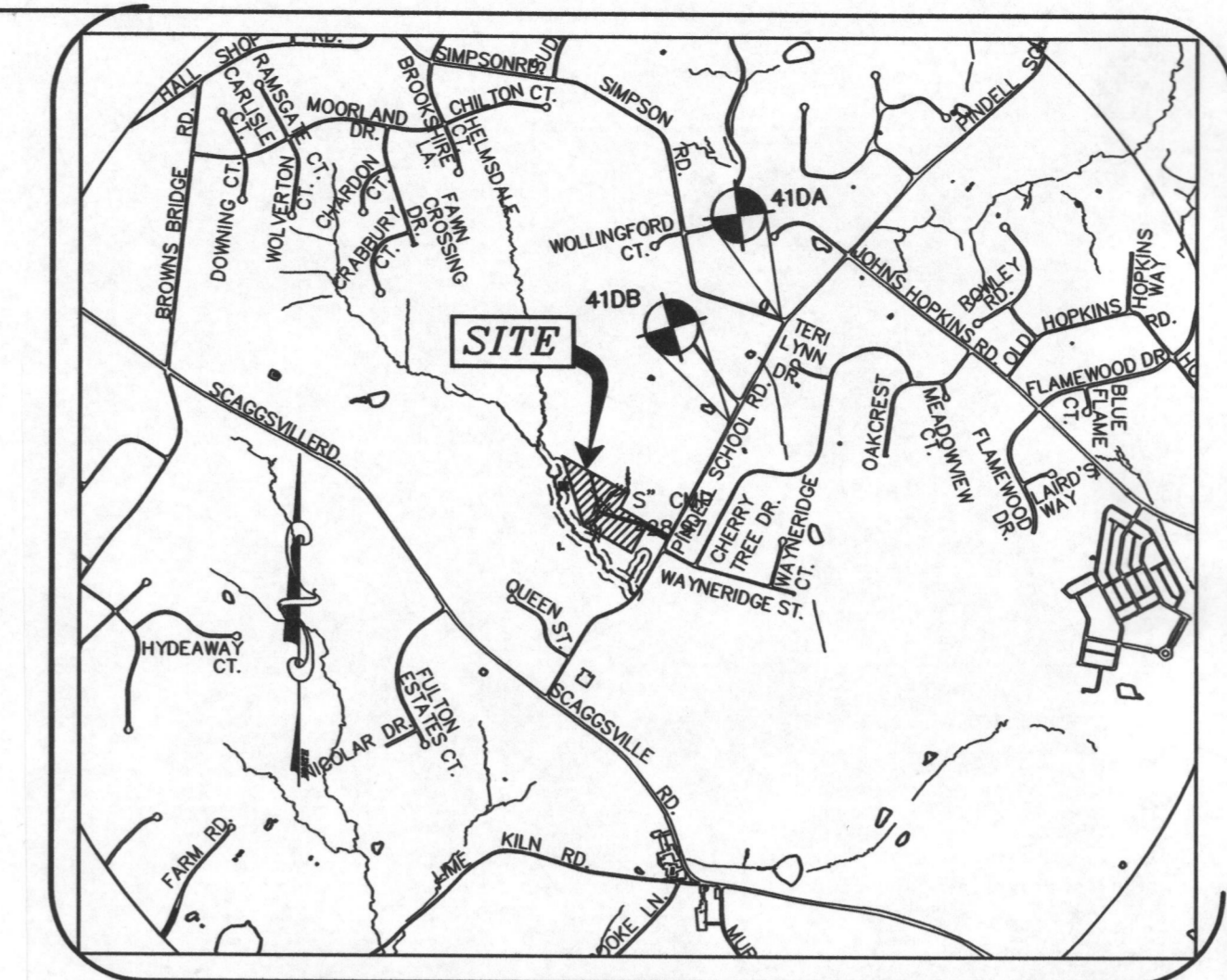
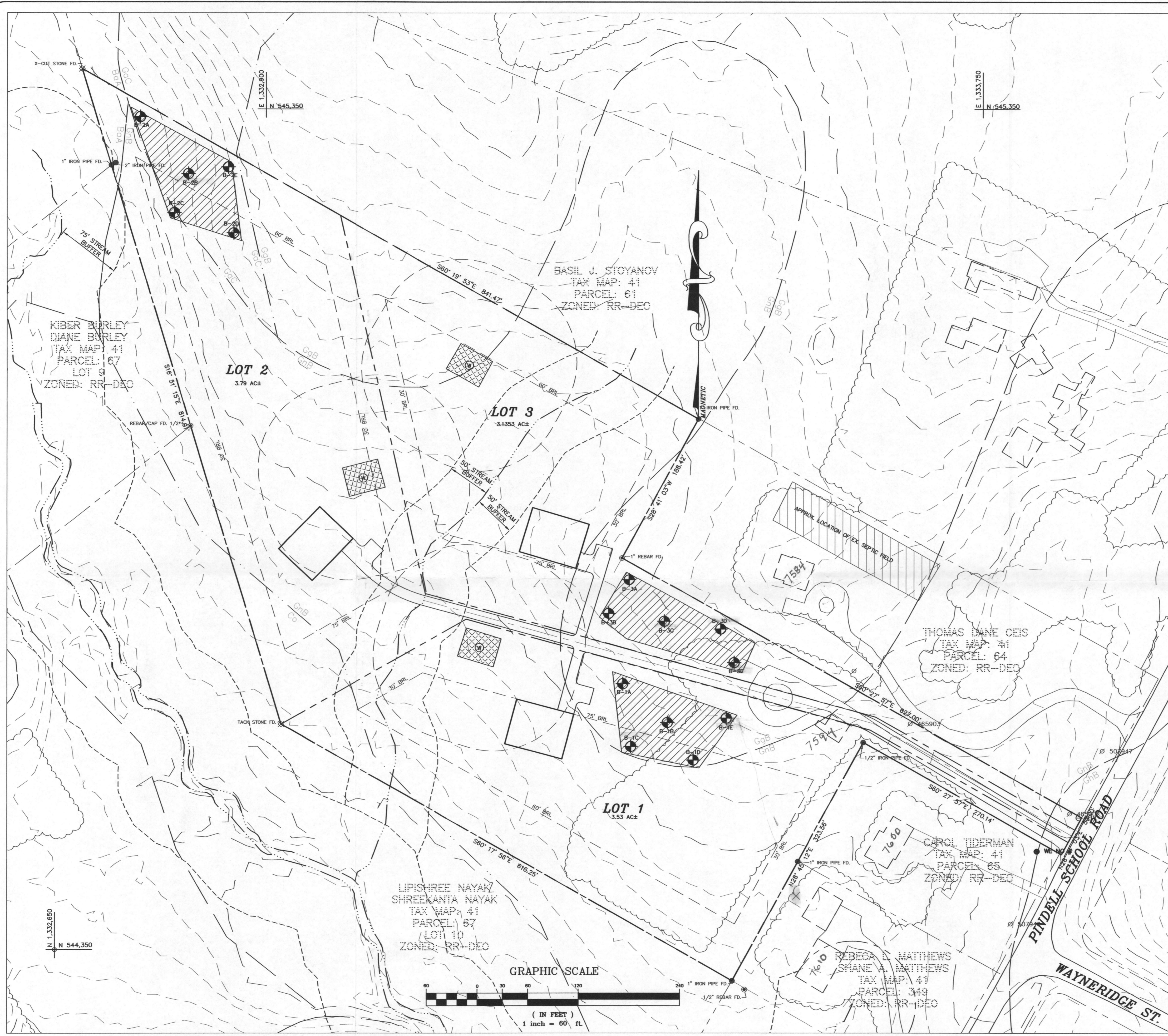
Hank

Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
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From: Maya Mildenberg <maya@mba-eng.com>
Sent: Thursday, March 16, 2023 10:18 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: jhikmat@hotmail.com; Samer Alomer <salomer@mba-eng.com>
Subject: RE: Sand Mound Test Plan_7594 Pindell School Road_Wet Season Testing

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VICINITY MAP
SCALE : 1" = 200'

GENERAL NOTES:

1. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
2. **PARCEL BACKGROUND:**
TAX MAP : 41 , PARCEL : 66 , GRID : 13
ELECTION DISTRICT : FIFTH.
AREA : 10.44 ACRES
3. COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 41DB & 41DA.
STA. No. 41DA N 546,930.845 ELEV. 488.388
 E 1,335,137.992
STA. No. 41DB N 545,635.037 ELEV. 471.413
 E 1,334,512.039
4. TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY PERFORMED BY MILDENBERG BOENDER & ASSOCIATES, INC. AND WAS FIELD VERIFIED IN MARCH 2022.
5. SOILS LOCATION AND CLASSIFICATION BASED ON HOWARD COUNTY GIS SOIL SURVEY DATA.
6. THIS AREA DESIGNATES A SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
7. THIS AREA DESIGNATES AN EXISTING SEWAGE DISPOSAL AREA
8. THIS SYMBOL DESIGNATES POTABLE WATER WELL ZONES
9. TO THE BEST OF OUR KNOWLEDGE, ALL ADJACENT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
10. THE LOTS SHOWN HEREON COMPLY WITH MINIMUM OWNERSHIP LOT WIDTH AND AREA.
11. THIS SYMBOL DESIGNATES A PROPOSED TEST PIT.
12. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENTAL DELAY" IF THE WELL DRILLING HOLDS UP SIGNATURE OF THE RECORD PLAT.
13. ANY CHANGES TO A PRIVATE SEWERAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
14. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR
BoA	(C/D)	BAILE SILT LOAM, 0-3% SLOPES	.49
Co	(C)	CODORUS & HATBORO SILT LOAM 0-3% SLOPES	.55
GaC	(B)	GAILA LOAM, 8-15% SLOPES	.55
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.37
GnB	(C)	GLENVILLE SILT LOAM, 3-8% SLOPES	.49

APPLICANT
JACOB HIKMAT
5550 STERRETT PLACE #103
COLUMBIA, MD.21044
443-538-9547

project	date	approval
22-006	MAR. 2022	SAA
illustration	engineering	
TNB	MM	
scale	1"=60'	

description	date

PINDELL OVERLOOK
5294 PINDELL SCHOOL ROAD, FULTON MD 20759
TAX MAP : 41 - GRID : 13 - PARCEL : 66
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
PERCOLATION LOCATION PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
8318 Forrest Street, Suite 300, Ellicott City, Maryland 21043
(410) 997-0296 Tel. (410) 997-0296 Fax.

NA\2022\22-006 PINDELL OVERLOOK\DWG\22-006 perc plat.dwg, 3/29/2022 2:48:06 PM, MMT

MOUND TEST DATA SHEETS

Property I.D. 7594 Pindell School Rd Lot # 1

Date 4/3/23

Sanitarian H. Oswald / Z. Silva Landscape Position _____

% Slope _____ Soil Type _____ Contractor SEA Construction

HOLE # 1ER DEPTH OF TEST 14 START TIME 10:14

3" Top Soil
 6" Tan sl
 10" Tan gel
 soil friable
 tight
 tan br cl
 heavy
 18" tan gel
 soil
 24" w/ gravel sticky
 soil
 30" gray tan
 w/ small gravel

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7	10:29	2/16		
	10:44	1/16		
	11:05	0/16	(FAIL)	

No movement

HOLE # 1BR DEPTH OF TEST 17" START TIME 11:07

3" Top Soil
 7" Tan gray
 soil friable
 tight
 7" Tan gel
 cl
 sticky
 16" Tan gel gray
 soil
 w/ rock
 24"

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	11:07			
	11:22	4/16		
	11:37	3/16		
	11:52	3/16		
	12:07	3/16		
	12:22	2/16		
re-pour 7"	12:37	3/16	(FAIL)	
	12:58	3/16		
	1:07	3/16		

MOUND TEST DATA SHEETS

Property I.D. 7594 Pinnacle School Rd Lot # 1

Date 4/3/23

Sanitarian H. Oswald / Z. S. West Landscape Position _____

% Slope _____ Soil Type _____ Contractor J&A Construction

HOLE # IDR DEPTH OF TEST 14" START TIME 11:26

3" Top Soil
 Tan soil
 sticky friable
 9" scl-cl
 tight compact
 15" Tan yel cl
 20" gray tan soil
 26" w/ 75% gravel at 24"

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	11:26			
	11:41	2/16		
	11:56	2/16		
	12:11	2/16		
	12:26	1 1/16		
	12:39	1/16		
			(FAIL)	

HOLE # Z4 DEPTH OF TEST 15" START TIME 11:47

4" Top soil
 Tan soil
 11" scl-cl
 16" Tan yel cl
 21" scl
 27"

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	11:47			
	11:57	14/16	10 min	
7" repair	↓			
59/16	12:12	17/16		
			(PASS)	

MOUND TEST DATA SHEETS

Property I.D. 7594 Pindell school Lot # 3 Date 4/3/23

Sanitarian H. Oswald, Z. Silvest Landscape Position _____

% Slope 2% Soil Type _____ Contractor J & A Construction

HOLE # 3E-R DEPTH OF TEST 16" START TIME 1:54pm

0-4" top soil Br.
4"-10" Br. / Tan
Silty CL/R
10"-30" Tan
Yellow LL
(thick/angular)

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	1:54pm	Start time		
6 14/16"	2:14pm	2/16"		
6 14/16"	2:29pm	None	FAIL	

HOLE # 3C-R DEPTH OF TEST 19" START TIME 2:12

0-4" top soil Br.
4"-1" Br. / Tan
Silty clay
clay lean
heavy
thick angular
@ 30"
Sandy Tan
clay lean
lean with
gravel

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	2:12pm	Start time		
6 5/16"	2:27pm	11/16"	0.9	
REPAIR ↓	2:43pm	10/16"	0.75	
7"	2:46pm			
	3:01pm	7/16"	0.75	
	3:16pm	7/16"	0.75	
			PASS	

MOUND TEST DATA SHEETS

Property I.D. 7594 P. noll School Rd Lot # 3 Date 4/4/23

Sanitarian H. Oswald / 2. S. 1 vast Landscape Position

% Slope _____ Soil Type _____ Contractor J&A Construction

HOLE # 3FR DEPTH OF TEST 19" START TIME 1147

4" Top Soil
 9" Tan gray soil tight mainly tan
 22" Tan cl heavy w/ blocky
 40" Tan yel cl

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	11:47 am			
6 14/16"	12:04 pm	2/16"		
6 13/16"	12:19 pm	1/16"		
6 13/16"	12:34 pm	0/16"	No movement, pulled	
			FAILED	

HOLE # 3DR DEPTH OF TEST 18" START TIME 12:09

4" Top Soil
 7" Tan Br soil
 30" Tan yel cl heavy
 36" Tan yel cl
 tan yel red soil tight

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	12:09 pm	Start time		
6 15/16"	12:24 pm	1/16"		
6 14/16"	12:39 pm	1/16"	Failed	

Stakes were labeled "2" instead of "3"
 3FR + 3DR

MOUND TEST DATA SHEETS

Property I.D. 7594 Pindell School Rd Lot # _____ Date 4/4/23

Sanitarian H. Oswald / Z. Silvest Landscape Position Lot 1

% Slope _____ Soil Type _____ Contractor _____

HOLE # ZH3 DEPTH OF TEST 18" START TIME 1:11pm

0-4" Topsoil
3" Lean
4-10" Br. Tan
Sandy clay
Loam friable
10-18" Tan/br
clay loam
leaves
angular
18-24"
Tan/yellow
thick clay
24"-30"
tan/yellow
Sandy clay loam
thick

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	1:11pm	Start time		
6 13/16"	1:26pm	1/16"		
6 14/16"	1:42pm	1/16"		
6 13/16"	1:59pm	1/16"		FAIL

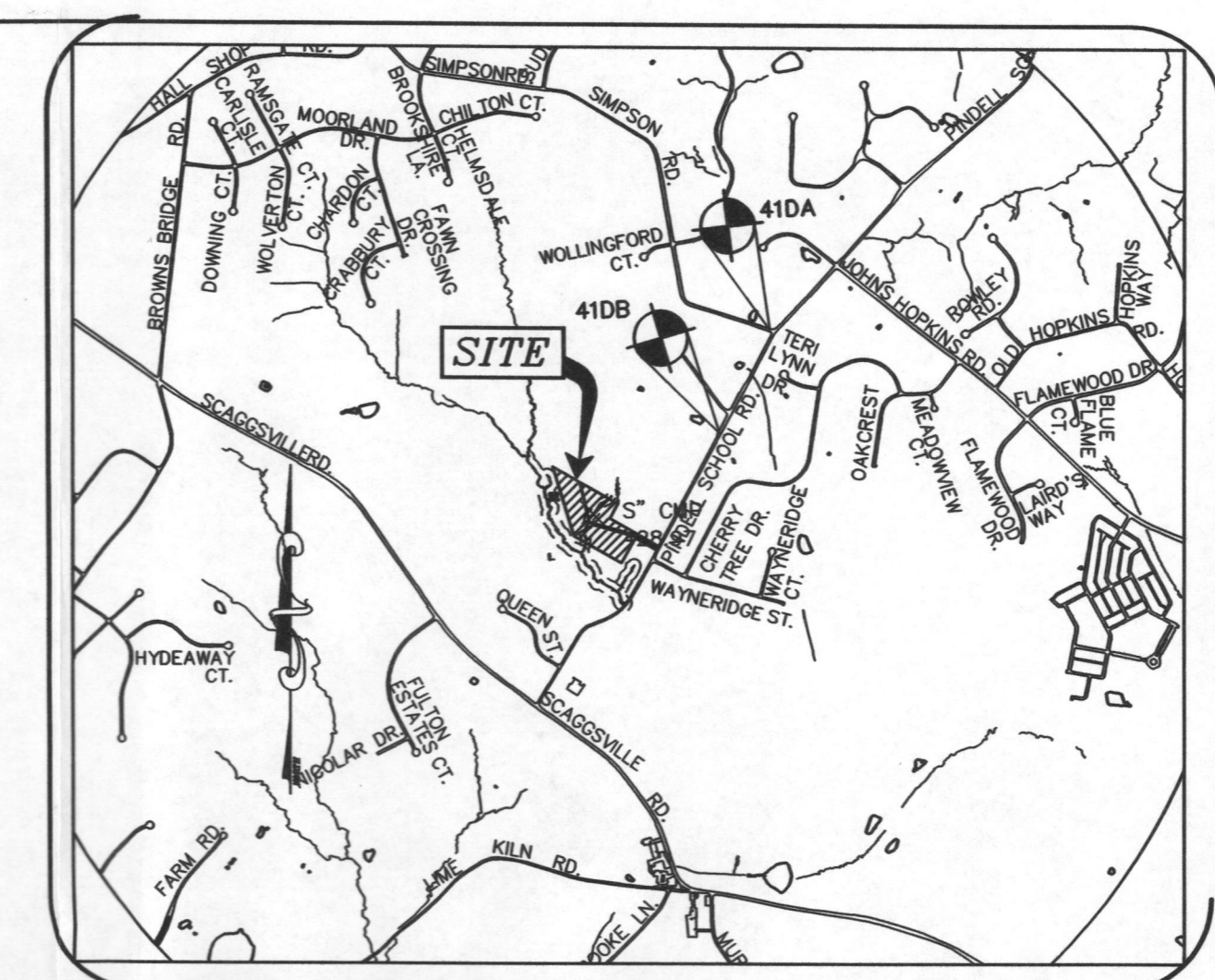
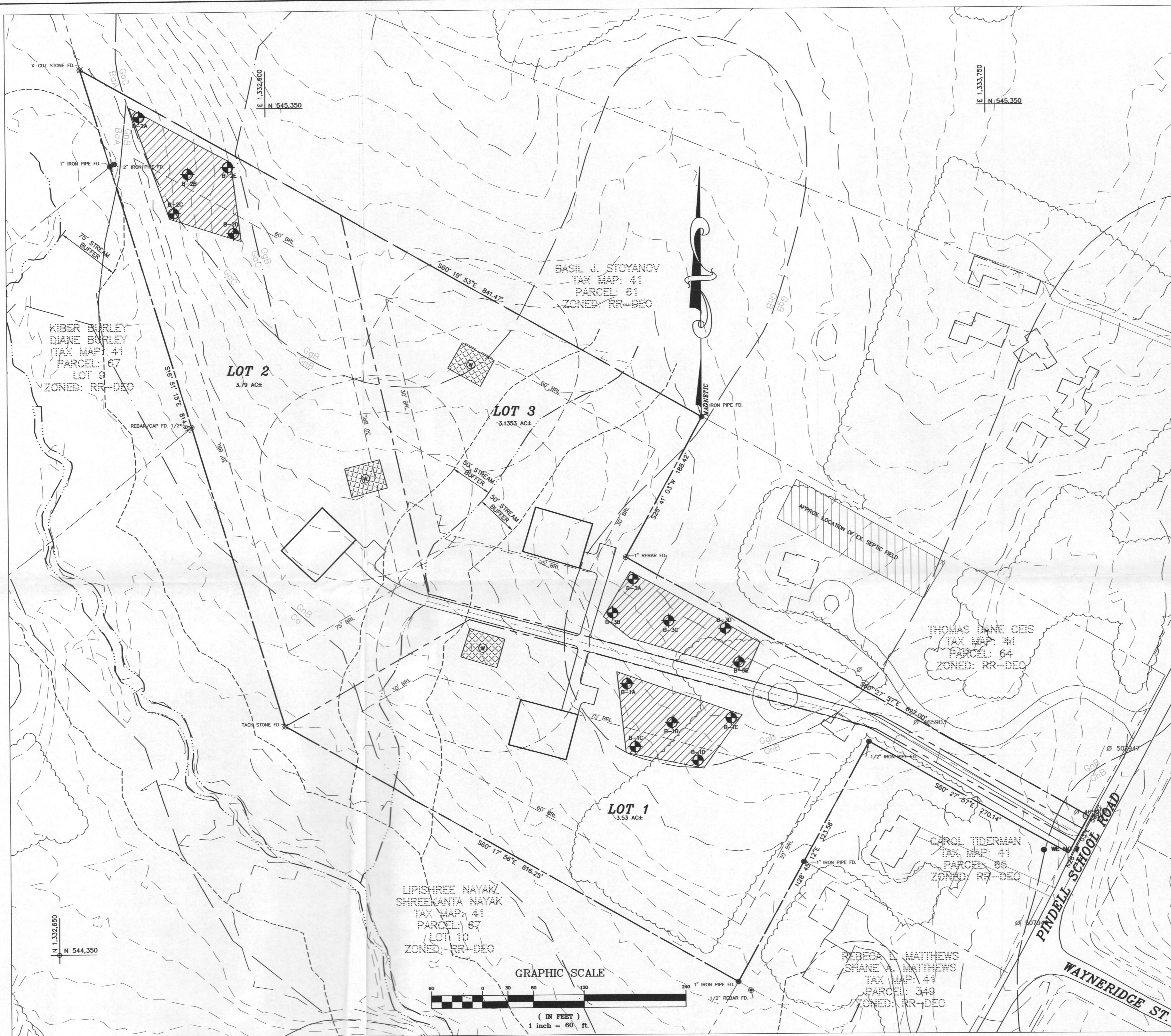
HOLE # ZH4 DEPTH OF TEST 17" START TIME 1:32pm

0-3" top soil
3"-6" Br. Tan
SCL (friable/
crumbly)
6"-1' Tan/gray/yellow
SCL (medium
CL/thick)
1'-2 1/2' Tan/Yellow CL
thick, blocky

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
7"	1:32pm	Start time		
6 14/16"	1:47pm	2/16"		
6 13/16"	2:02pm	1/16"		
6 12/16"	2:17pm	1/16"		FAIL

* went back to lot 1 where we had the only real success, but did not find desired results per concept. *

MA:202212-006 PINDELL OVERLOOK.DWG:32-006 perc plat.dwg, 3/29/2022 2:48:06 PM, MMT



VICINITY MAP
SCALE: 1" = 2000'

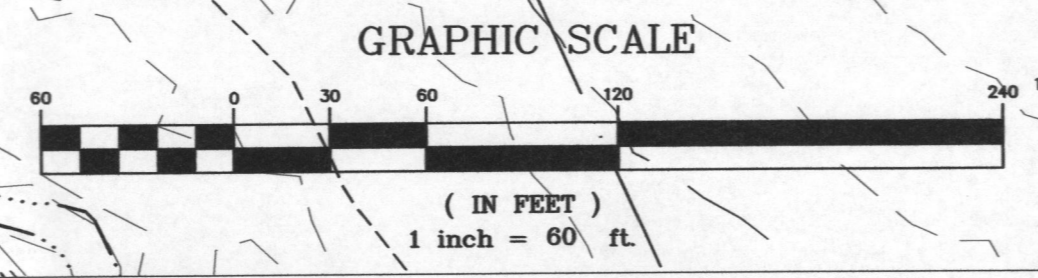
GENERAL NOTES:

1. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
2. **PARCEL BACKGROUND:**
TAX MAP : 41 , PARCEL : 66 , GRID : 13
ELECTION DISTRICT : FIFTH.
AREA : 10.44 ACRES
3. COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 41DB & 41DB.

STA. No. 41DA	N 546,930.845	ELEV. 488.388
	E 1,335,137.992	
STA. No. 41DB	N 545,635.037	ELEV. 471.413
	E 1,334,512.039	
4. TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY PERFORMED BY MILDENBERG BOENDER & ASSOCIATES, INC. AND WAS FIELD VERIFIED IN MARCH 2022.
5. SOILS LOCATION AND CLASSIFICATION BASED ON HOWARD COUNTY GIS SOIL SURVEY DATA.
6. THIS AREA DESIGNATES A SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
7. THIS AREA DESIGNATES AN EXISTING SEWAGE DISPOSAL AREA
8. THIS SYMBOL DESIGNATES POTABLE WATER WELL ZONES
9. TO THE BEST OF OUR KNOWLEDGE, ALL ADJACENT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
10. THE LOTS SHOWN HEREON COMPLY WITH MINIMUM OWNERSHIP LOT WIDTH AND AREA.
11. THIS SYMBOL DESIGNATES A PROPOSED TEST PIT.
12. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENTAL DELAY" IF THE WELL DRILLING HOLDS UP SIGNATURE OF THE RECORD PLAT.
13. ANY CHANGES TO A PRIVATE SEWERAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
14. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR
BaA	(C/D)	BAILE SILT LOAM, 0-3% SLOPES	.49
Co	(C)	CODORUS & HATBORO SILT LOAM 0-3% SLOPES	.55
GgC	(B)	GAILA LOAM, 8-15% SLOPES	.55
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.37
GnB	(C)	GLENVILLE SILT LOAM, 3-8% SLOPES	.49



APPLICANT
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project	date	description	no.
22-006	MAR. 2022	engineering	
MM	MM	approval	
TWB	MM	approval	
		scale	1"=80'

	date

PINDELL OVERLOOK
5294 PINDELL SCHOOL ROAD, FULTON MD 20759
TAX MAP: 41 - GRID: 13 - PARCEL: 66
FIFTH ELECTION DISTRICT - HOWARD COUNTY, MARYLAND
PERCOLATION LOCATION PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Planners Surveyors
Engineers
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