

Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045

Main: 410-313-1771 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

August 25, 2017

To: Dennis Ream, Adcock & Associates LLC, Applicant

RE: Percolation Test Report, Deer Track, Parcel 2 (6761 Haviland Mill Road); A561461

Percolation tests were conducted, as scheduled, on Deer Track Parcel 2 on August 11, 2017. These tests were conducted to establish a sewage disposal area (SDA) in support of a demolition-rebuild proposal on the parcel. Excavations were dug near each of five (5) staked locations. Soil profiles were described and tests for percolation rate were conducted. Each of the five locations, 'P-1' thru 'P-5', PASS.

Locations of percolation tests that 'PASS' are used to define the soils that are suitable for inclusion in an SDA proposed on the Percolation Certification Plan. The results and suitable areas for wastewater discharge may be certified by the Approving Authority's signature of the Percolation Certification Plan.

Location P-1 stake is about 44 feet from the centerline of an upland drain that does not appear to be a stream. However, P-5 stake is about 82 feet from a location that appears to be an ephemeral spring. For approval of a SDA without a wet-season observation of the potential spring, a 100-foot radius must be observed from the potential spring's location.

The elevation contours must be characterized across the area of the upland drain that occurs downslope from the proposed SDA. In addition to the proposed SDA and well zone, locations of all existing wells and all septic system components on Parcel 2 must be identified on the Percolation Certification Plan. The water source for the existing mobile home on Parcel 2 must be confirmed.

A stockpile of rotted manure has been placed in the uppermost region of the area now proposed as an SDA. This stockpile must be removed from the SDA prior to approval of a construction permit for a residence that utilizes the SDA.

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,

Robert Bricker, CPSS, REHS/RS, L.E.H.S.

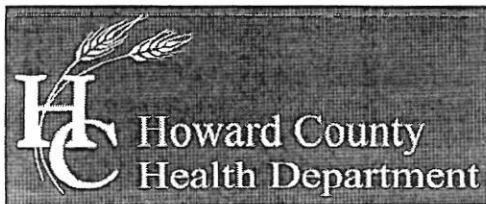
Environmental Sanitarian II

Well and Septic Program

Enclosure: Percolation Test Application and Field Worksheet

Copy: James T. Voltz, Owner

file



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100 Stanford Boulevard, Columbia, MD 21045

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Twitter: HowardCoHealthDep

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME DEER TRACK

PROPERTY ADDRESS 6761 HAVILAND MILL ROAD, CLARKSVILLE, MD 21029
STREET TOWN ZIP

TAX ACCOUNT # 05-353447 TAX MAP 34 GRID 19 PARCEL 129 LOT NO. PROPOSED LOT SIZE (ACRES) 37.1

ZONING CATEGORY RR-DEO TIER 4

PROPERTY OWNER(S) JAMES T. VOLTZ

DAYTIME PHONE CELL 443-367-1620 EMAIL JIM.VOLTZ@ACESERVING.COM

MAILING ADDRESS 6761 HAVILAND MILL ROAD, CLARKSVILLE, MD 21029
STREET CITY, STATE ZIP

APPLICANT ADCOCK & ASSOCIATES RELATIONSHIP TO OWNER: AGENT

DAYTIME PHONE 443-325-7682 CELL EMAIL DENNIS@SABLAND.COM

MAILING ADDRESS 3300 NORTH RIDGE ROAD, SUITE 160, ELWIG CITY, MD 21043
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:
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 4 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.

Dennis G. Keen

SIGNATURE OF APPLICANT

7-12-17

DATE

6761 Haviland Mill Rd

P-3

AP 561461

P-4

0.8' dk brn sl, 1/2 fsk (0)

brn L, 2 fsk

1.4' yel-red sl
thick platy
many mica

2.5' red & yel-red
ls thick platy
many mica

10' brn, pale brn
& yel-red ls
thin platy
many mica

12' dk brn & yel-red
chls, thick platy 15-20% rock
many mica c2p (dk brn)

P-5

P-1

0.2' dk. brn sl, 2 fsk
10-15% channers
common mica
many f. roots

0.9' yel-red
vchls, platy
common coarse mica
45-50% rock

11' brn, pale brn
& yel-red ls
thin platy
many mica

12' brn & yel-red
chls, thick platy
many mica
15-20% rock
C2P (dk. brn)



0.3' dk brn sl, 2 fsk
few mica 50% rock
brn stsl, 2 fsk
common mica
25-30% stones

1' yel-red & pale brn
sl, thick platy
many mica
10-15% channers

1.9' brn, pale brn
& yel-red ls
thin platy
many mica

13' brn & yel-red
chls, thick platy
many mica
15-20% channers

P-2

0.5' dk brn sl
3 fsk
yel-red L
Brn pr, 5-10% rock

1.2' brn & yel-red
chls, platy
many coarse
mica

2.3' brn, pale brn
& yel-red ls
thin platy
many mica
few channers

14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/11/17	P-4	4 1/12'	0	1.8	3.6	1.8	report
report	P-4	4 1/12'	0	1.8	4	2.2	P
8/11/17	P-5	4 1/12'	0	1.9	4.4	2.5	P
8/11/17	P-3	4 2/13'	0	2.4	4.8	2.4	P
8/11/17	P-1	4 3/13'	0	1.7	3.8	2.1	P
8/11/17	P-2	4 3/14'	0	1.7	4	2.3	P

REMARKS Potential ephemeral spring within 100' of P-5; adjust area.

SANITARIAN R Bricker BACKHOE Fagel's OTHERS James Voltz

TEST HOLES USED IN SDA Ricky, Josh AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

APPLICATION

PERCOLATION TESTING

A 50433

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT 5th

DATE Dec 6th

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Bushrod W. and Mary S. HOPKINS

ADDRESS 6761 Haviland Mill Road Clarksville Md 21029 PHONE 301-596-9158

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 21029
6761 Haviland Mill Road Clarksville Maryland

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT 37 acres TYPE BLDG. Farm Shop and Recreation Building
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING for certified plat & water well site. CHS
12/27/94
vs.

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

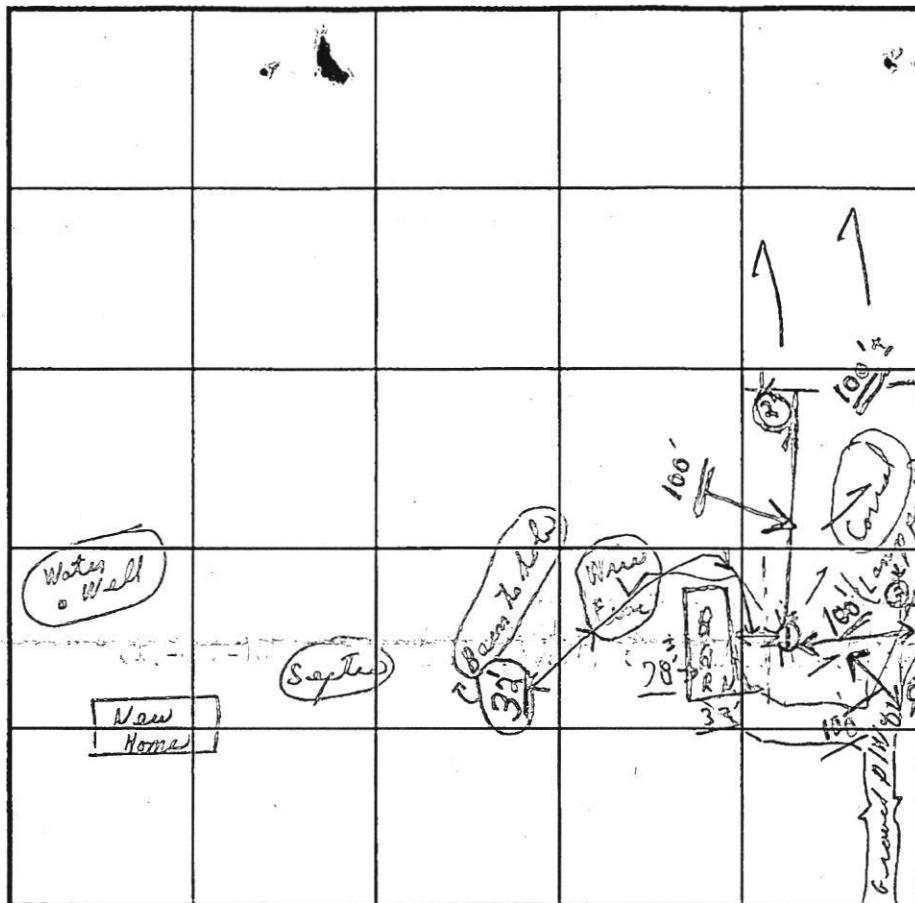
A50433

COUNTY #
(37 acres)
SOIL PROFILE
Hole ①0'-4'
CLAY
4'-
SANDY
LOAM
DRY
12'
Bottom

Hole ②

0'-5'
CLAY
5'-
LOAM
12'
Bottom

Hole ③

0'-5'-9"
CLAY
5'-9" to
Loam
12'
BottomSOIL PROFILE
Hole ①0'-4'-9"
CLAY
4'-9" to
LOAM
Bottom
11 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Haverland Mill Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/27/94	①	4'	10:50	10:53	10:53	11:00	7m
	①	12'		DRY	Some Mixed Loam		=
	②	5'-9"	10:58	11:01	11:01	11:04	3m
	②	12'		DRY	Some Mixed Loam		=
	③	5'-9"	11:20	11:23	11:23	11:28	5m
	③	12'		DRY	Loam	Some small stones	=
	④	4'-9"	11:05	11:07	11:07	11:11	4m
	④	11 1/2'		DRY	Some Mixed Loam		=
	⑤	(Not done)					
	⑥	(Not needed)					

REMARKS 12/27 Tests in nature tests per holes as shown
 TYPE OF SOIL near existing block Not Trees + fences in area of
 TESTED BY C. B. I. ALSO PRESENT (Mr. Cassel) plus
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7m TRENCH WIDTH 3'
 INLET DEPTH 4 1/2' MAXIMUM BOTTOM DEPTH 6 1/2-7' SQ. FT./BEDROOM 210

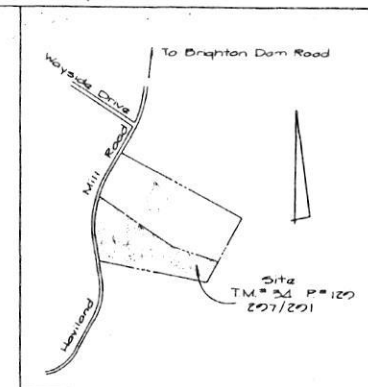
Deer Track

SP93-24

or

F-941-73

no well

WELL SITE OK
3/11/15
CarterVicinity Map
Scale: 1"=1200'

NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
3. SUBJECT PROPERTY ZONED "R" PER 10/3/77 COMPREHENSIVE ZONING PLAN.
4. PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS WILL BE SHOWN WHERE PERTINENT.
Predominate Soil Types: MIB2 & MIC2

- LEGEND
- DENOTES LOCATION OF DWELLING
 - DENOTES PROPOSED WELL
 - DENOTES FIELD LOCATION OF PERC HOLES

APPROVED FOR PRIVATE WATER AND PRIVATE
SEWERAGE SYSTEMS HOWARD COUNTY HEALTH
DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____

Plan to Accompany Application
for Percolation Test

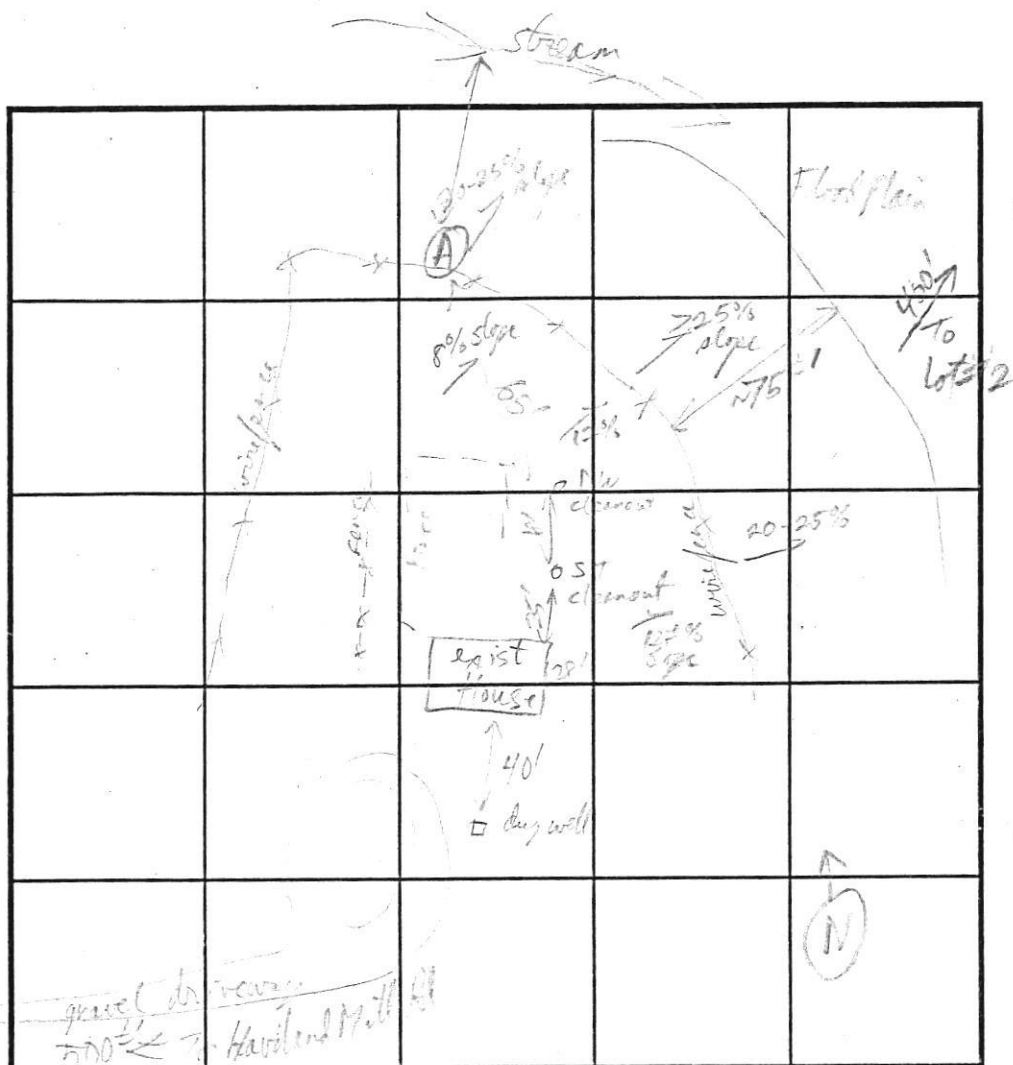
Bushrod W. Hopkins
5th Election District Howard County, Md.
TN# 24 P# 120
January 22, 1985 Scale: 1"=200'

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

COUNTY #

0'

14



0

4/19/92 exp
dry well with
line approx 14' below
ground level

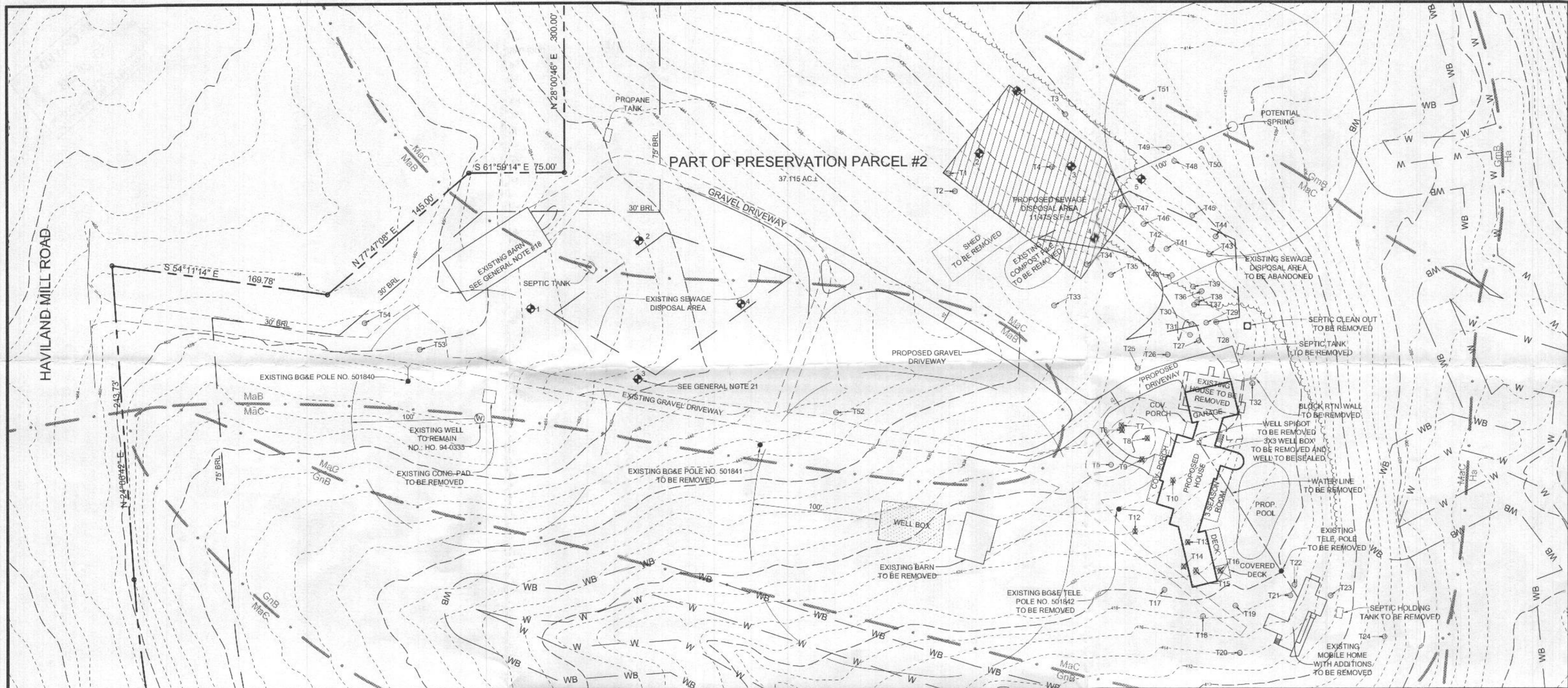
500^{1/2} Le Harland Mill

[illegible]

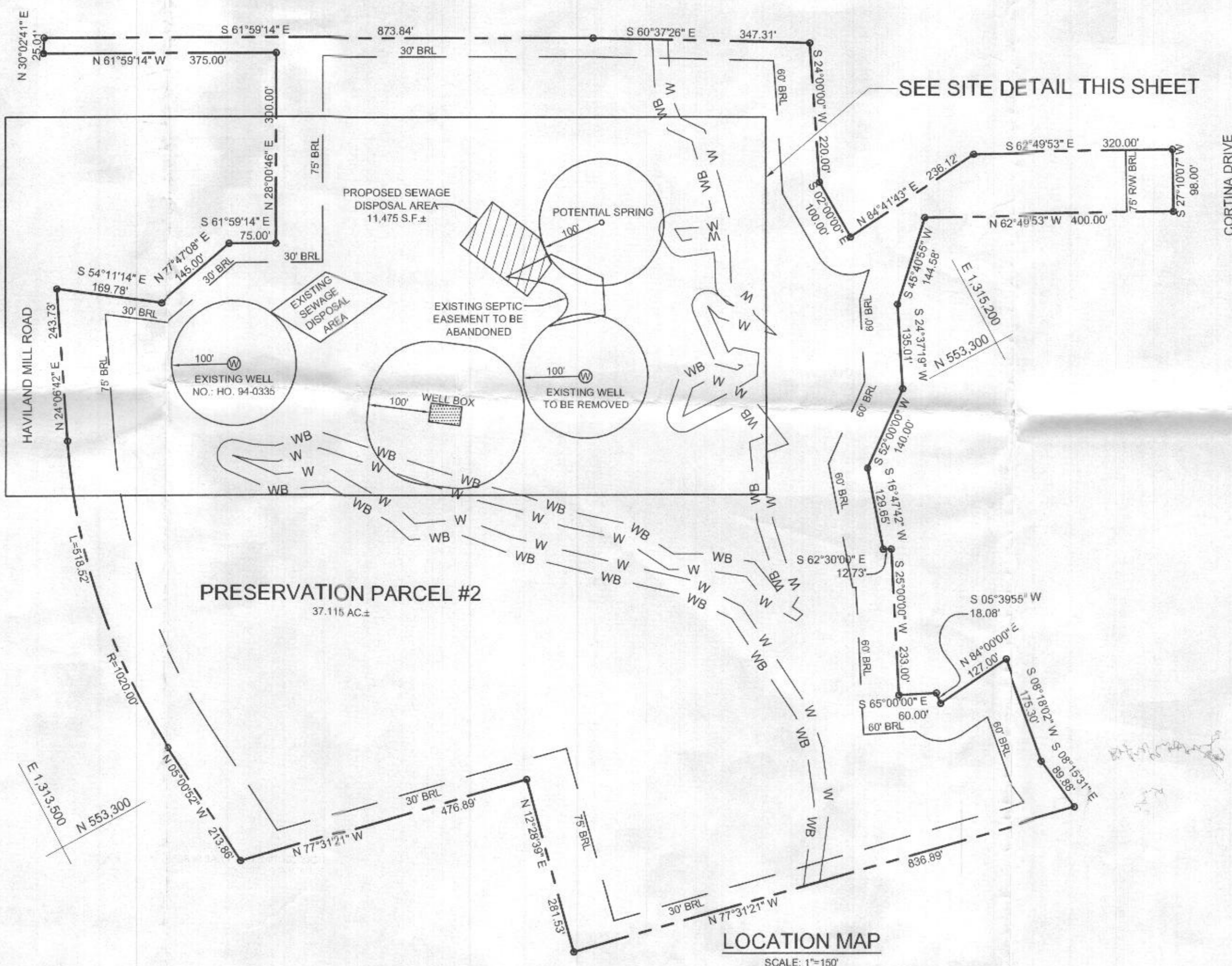
TYPE OF SOIL Moist loam

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

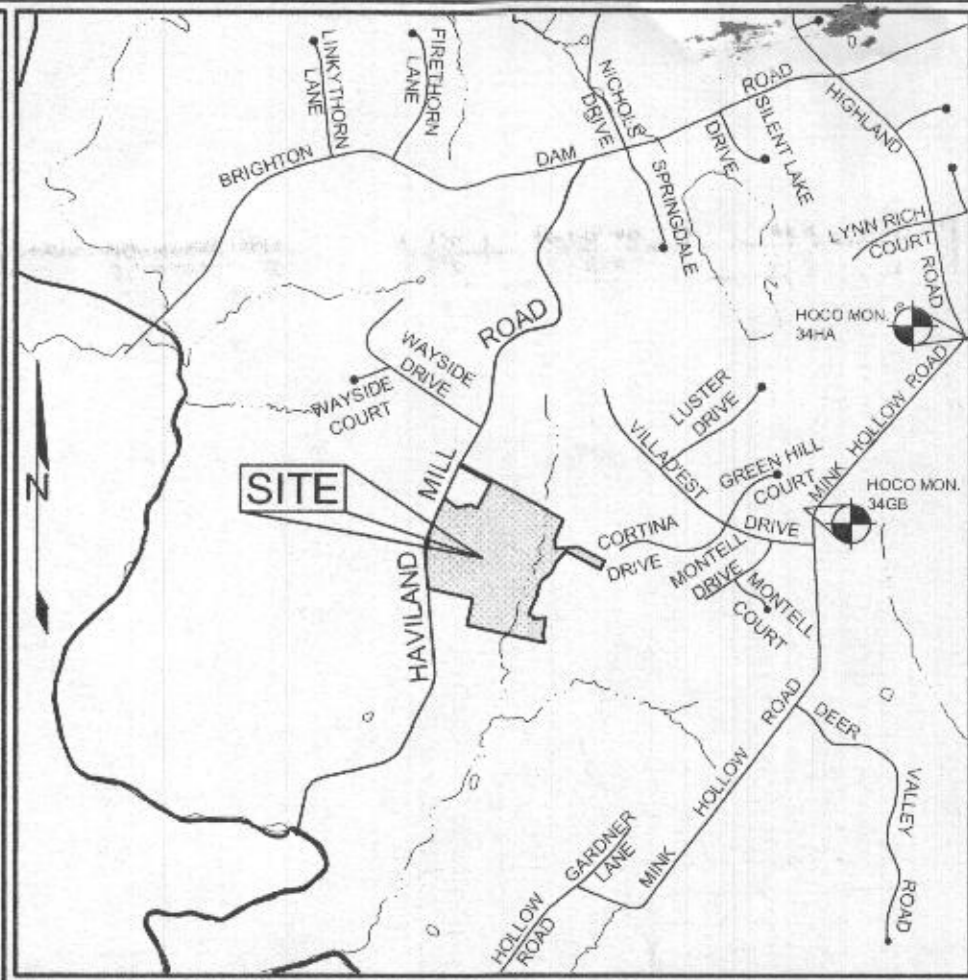


SITE DETAIL
SCALE: 1"=50'



LEGEND

- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- EXISTING TREELINE
- BOUNDARY
- ADJOINING BOUNDARY
- SOIL BOUNDARY
- WETLANDS
- WETLAND BUFFER
- SANITARY CLEANOUT
- UTILITY POLE
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING WELL
- PERCOLATION TEST LOCATION - PASSED
- PROPOSED 1,500 S.F. WELL BOX



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

- SUBJECT PROPERTY IS ZONED RR-DC PER THE 10/06/13 COMPREHENSIVE ZONING PLAN.
- THE +/- SETBACK ACCURACY IS 1 FOOT.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- PROPERTY ADDRESS: 6761 HAYLAND MILL ROAD
- DEED REFERENCE: LIBER 2641, FOLIO 126
- ELEVATIONS WERE DETERMINED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 34GB AND 34HA. STATION 34GB ELEV: +955.08 STATION 34HA ELEV: +335.16
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED AND ARE ACCURATELY SHOWN.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY SILL, ADCOCK & ASSOCIATES, LLC ON 09/02/11.
- THE TOPOGRAPHY SHOWN HEREON HAS BEEN FIELD RUN BY SILL, ADCOCK & ASSOCIATES, LLC ON 06/02/11 AND BY ADCKOCK & ASSOCIATES, LLC ON 06/28/2017.
- THE SOILS SHOWN HAVE BEEN TAKEN FROM THE NRCS WEB SOIL SURVEY WEBSITE.
- THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES WITHIN THE PROJECT BOUNDARY.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAYING OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE EXISTING BARN IS BEING USED AS A TEMPORARY RESIDENCE UNTIL THE NEW HOME IS CONSTRUCTED. THIS WAS REQUIRED BY THE OLD RANCH HOME THAT IS TO BE REMOVED DID NOT HAVE FUNCTIONAL WELL WATER OR SEPTIC. AFTER THE NEW HOME IS CONSTRUCTED THE EXISTING BARN WILL BE USED AS THE OFFICE FOR THE FIRM, HONEY PROCESSING, WORKSHOP AND TRACTOR STORAGE.
- ANY WELLS TO BE ABANDONED MUST BE SEALED BY A LICENSED WELL DRILLER AND THE WELL ABANDONMENT REPORT RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO DEMOLITION OF THE STRUCTURE TO WHICH THE WELL IS CONNECTED OR PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR THE NEW RESIDENCE, WHICHEVER COMES FIRST.
- FOR ANY STRUCTURE TO BE REMOVED, THE ASSOCIATED SEPTIC SYSTEM MUST BE ABANDONED AND THE REQUIRED DOCUMENTATION SUBMITTED TO THE HEALTH DEPARTMENT PRIOR TO DEMOLITION OR REMOVAL OF THE STRUCTURE TO WHICH THE SEPTIC SYSTEM IS CONNECTED OR PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR THE NEW RESIDENCE, WHICHEVER COMES FIRST.
- THE PERCOLATION TEST LOCATIONS SHOWN TO THE SOUTH OF THE EXISTING BARN ARE APPROXIMATE LOCATIONS TAKEN FROM THE HOWARD COUNTY ENVIRONMENTAL HEALTH BUREAU'S RECORDS.

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K FACTOR
GnB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.37
GnB	GLENVILLE BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.37
Ha	HATBORO-CODORUS SILT LOAMS, 0 TO 3 PERCENT SLOPES	D	0.37
MbB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MbC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	0.24

- NOTES:
- SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.
 - HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

PURPOSE STATEMENT

THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW ALL EXISTING PASSED AND FAILED PERCOLATION TEST PITS, TO RE-DEFINE A NEW SEWAGE DISPOSAL AREA OF 11,475 S.F., AND TO PROPOSE A NEW WELL LOCATION FOR THE PROPOSED HOUSE.

OWNER/DEVELOPER

JAMES THOMAS VOLTZ
6761 HAYLAND MILL ROAD
CLARKSVILLE, MD, 21033
JIM.VOLTZ@ACESERVING.COM
443.367.1620

PERCOLATION CERTIFICATION PLAN

DEER TRACK

PARCEL 2

TAX MAP 34 GRID 19
5TH ELECTION DISTRICT

PARCEL 129
HOWARD COUNTY, MARYLAND



Adcock & Associates · LLC
Engineers · Surveyors · Planners
5389 Enterprise Street, Suites B-C
Sykesville Maryland, 21784
Phone: 443.325.7662
Email: info@saalund.com

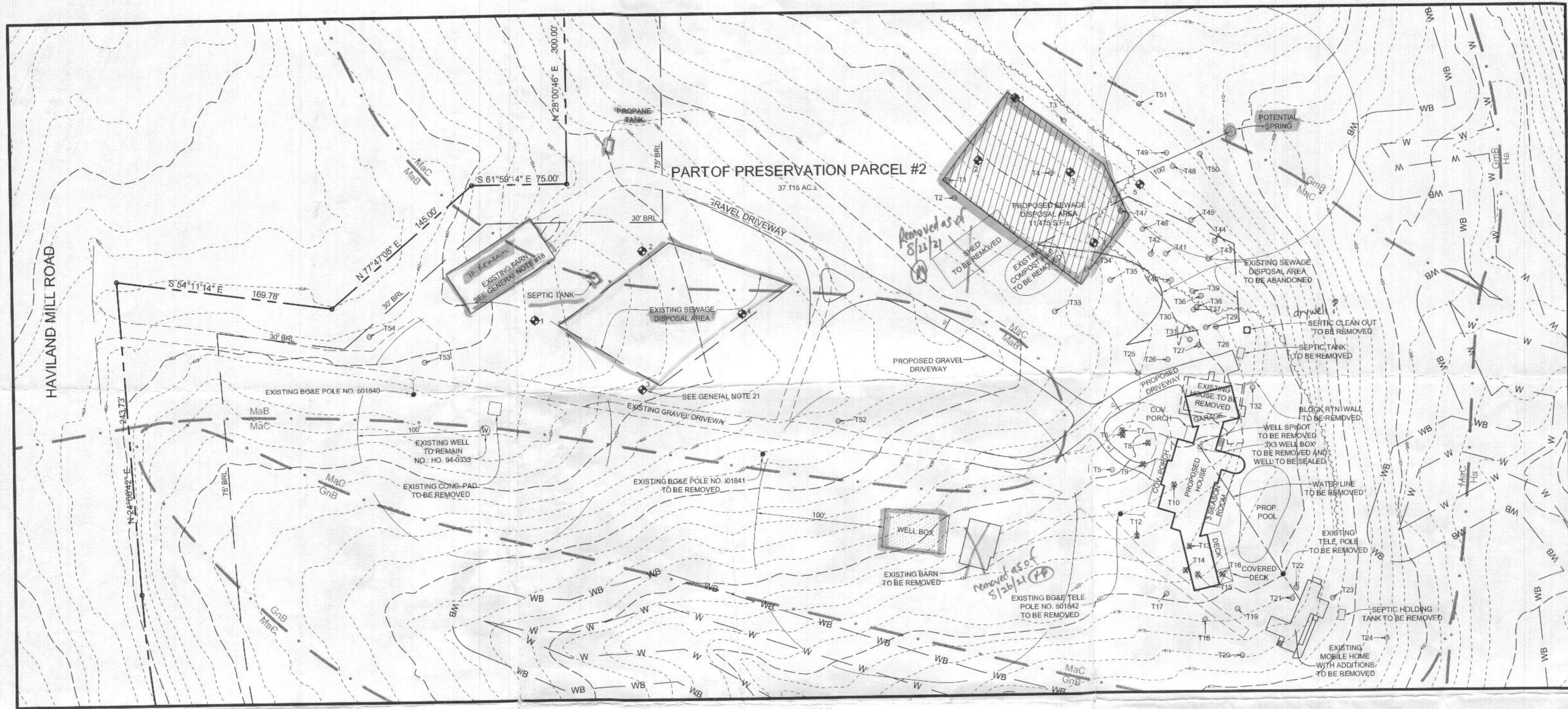
PLAT NO.
11407.11410
DRAWN BY: JUT
CHECKED BY: MA/DR
SCALE: 1"=500'
DATE: SEPTEMBER 25, 2018
PROJECT #: 11-052
SHEET #: 1 of 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

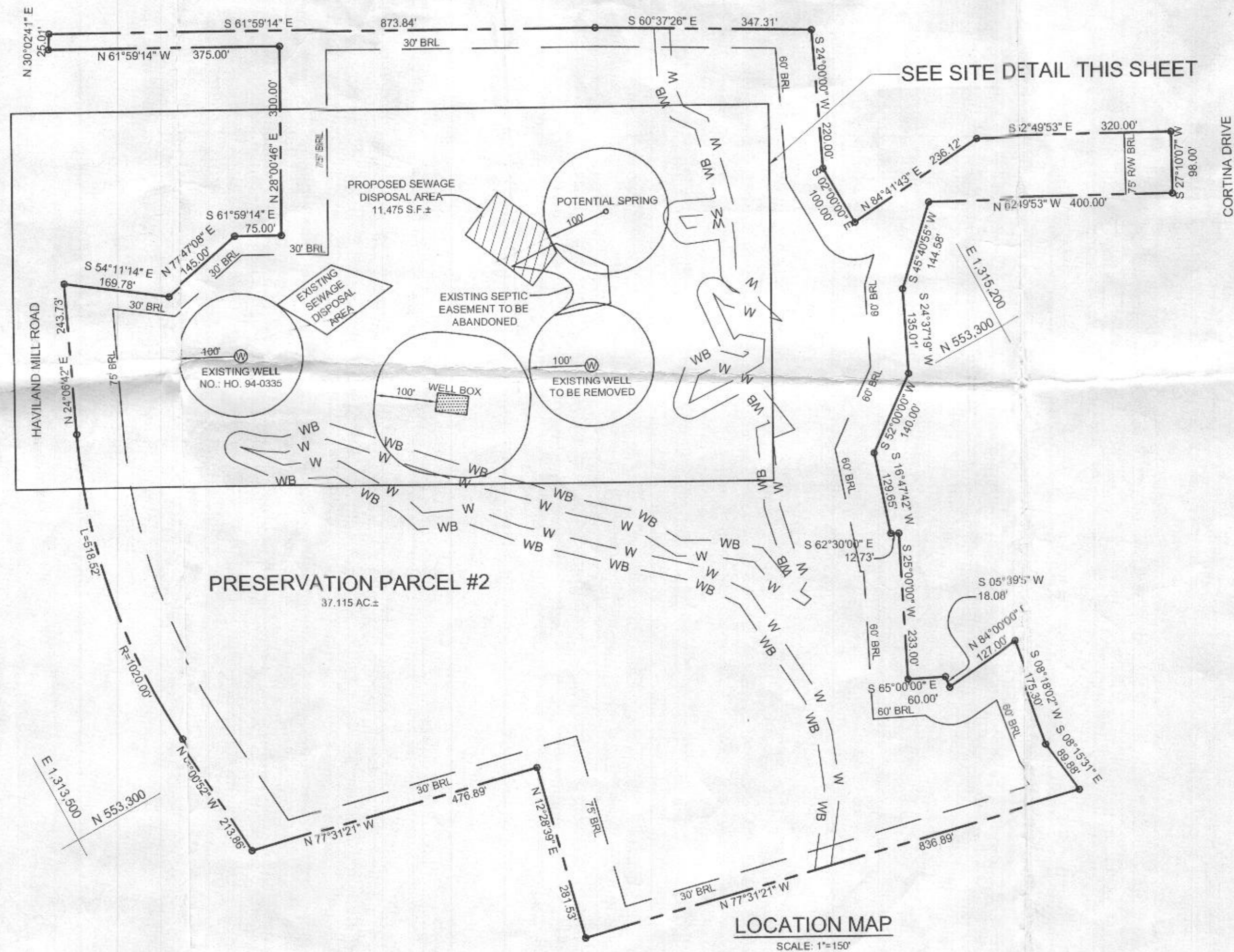
APPROVED: *Matthew Rozman* 10/11/2018
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

CERTIFICATION
I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED IN IT, AND IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLES, SUBTITLE 15, CHAPTER 06, REGULATION 12.

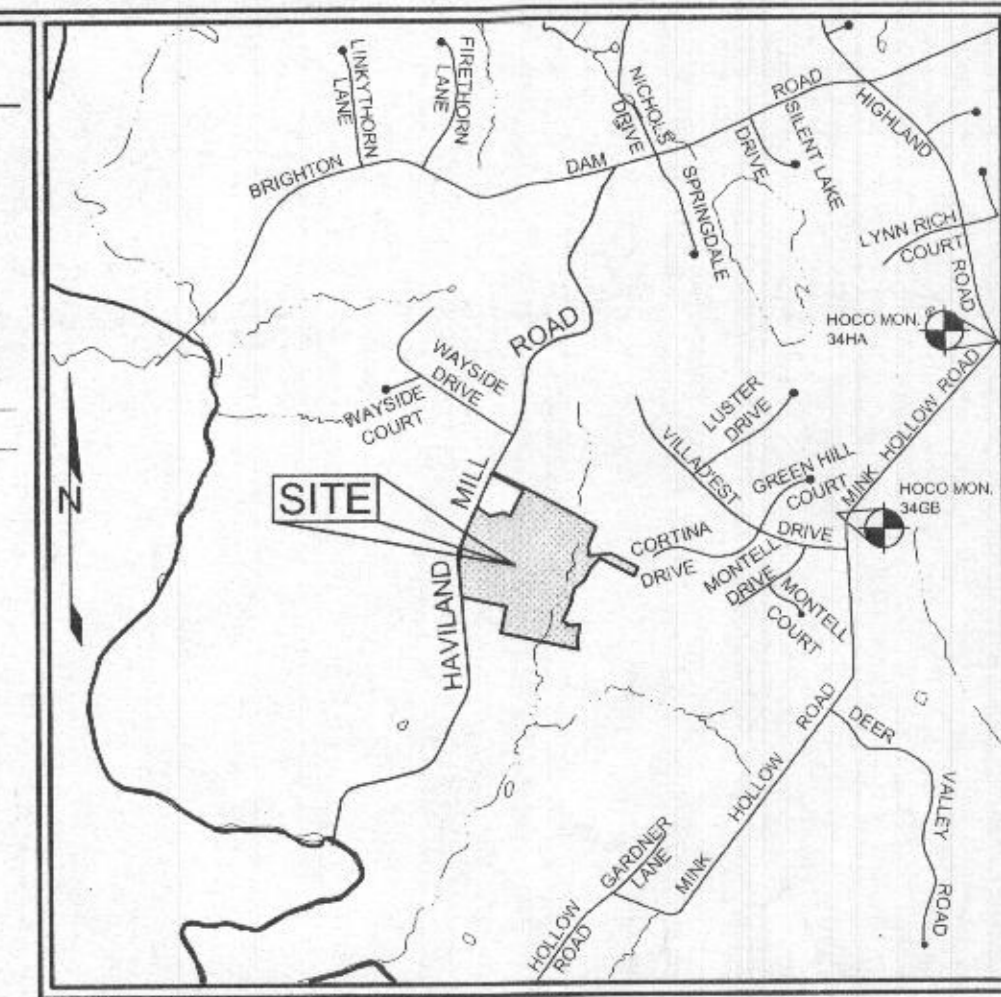
MICHAEL D. ADCKOCK
PROFESSIONAL LAND SURVEYOR
NO. 21297, EXPIRATION DATE: 06-16-2019



SITE DETAIL
SCALE: 1"=50'



LEGEND



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

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- THE "X" SETBACK ACCURACY IS 1 FOOT.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA RECONSTRUCTION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- PROPERTY ADDRESS: 6761 HAYLAND MILL ROAD
- DEED REFERENCE: LIBER 2644, FOLIO 129
- ELEVATIONS WERE DETERMINED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 34GB AND 34HA. DENOTES APPROXIMATE CONTROL STATION LOCATION (SEE VICINITY MAP).
- STATION 34GB ELEV: -505.08'
STATION 34HA ELEV: -535.16'
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
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- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-1111 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE EXISTING BARN IS BEING USED AS A TEMPORARY RESIDENCE UNTIL THE NEW HOME IS CONSTRUCTED. THIS WAS REQUIRED AS THE OLD RANCH HOME THAT IS TO BE REMOVED DID NOT HAVE FUNCTIONAL WELL WATER OR SEPTIC AFTER THE NEW HOME IS CONSTRUCTED THE EXISTING BARN WILL BE USED AS THE OFFICE FOR THE FARM, HONEY PROCESSING, WORKSHOP AND TRACTOR STORAGE.
- ANY WELLS TO BE ABANDONED MUST BE SEALED BY A LICENSED WELL DRILLER AND THE WELL ABANDONMENT REPORT RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO DEMOLITION OF THE STRUCTURE TO WHICH THE WELL IS CONNECTED OR PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR THE NEW RESIDENCE, WHICHEVER COMES FIRST.
- FOR ANY STRUCTURE TO BE REMOVED, THE ASSOCIATED SEPTIC SYSTEM MUST BE ABANDONED AND THE REQUIRED DOCUMENTATION SUBMITTED TO THE HEALTH DEPARTMENT PRIOR TO DEMOLITION OR REMOVAL OF THE STRUCTURE TO WHICH THE SEPTIC SYSTEM IS CONNECTED OR PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR THE NEW RESIDENCE, WHICHEVER COMES FIRST.
- THE PERCOLATION TEST LOCATIONS SHOWN TO THE SOUTH OF THE EXISTING BARN ARE APPROXIMATE LOCATIONS TAKEN FROM THE HOWARD COUNTY ENVIRONMENTAL HEALTH BUREAU'S RECORDS.

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K FACTOR
GmB	GLENNVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.37
GmB	GLENNVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	C	0.37
Hs	HATBORO-CODRUS SILT LOAMS, 0 TO 3 PERCENT SLOPES	D	0.37
MmB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MmC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	0.24

- NOTES:
- SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE: NATURAL RESOURCES CONSERVATION SERVICE: WEB SOIL SURVEY.
 - HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

PURPOSE STATEMENT

THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW ALL EXISTING PASSED AND FAILED PERCOLATION TEST PITS, TO RE-DEFINE A NEW SEWAGE DISPOSAL AREA OF 11,475 S.F., AND TO PROPOSE A NEW WELL LOCATION FOR THE PROPOSED HOUSE.

OWNER/DEVELOPER

JAMES THOMAS VOLTZ
6761 HAYLAND MILL ROAD
CLARKSVILLE MD, 21029
JIM.VOLTZ@GAGESERVINC.COM
443.367.1620

PERCOLATION CERTIFICATION PLAN

DEER TRACK

PARCEL 2

TAX MAP 34 GRID 19
5TH ELECTION DISTRICT

PARCEL 129
HOWARD COUNTY, MARYLAND



Adcock & Associates, LLC
Engineers · Surveyors · Planners

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REF. NO. 11407-11410
DRAWN BY: JUT
CHECKED BY: MVD/R
SCALE: 1"=30'
DATE: SEPTEMBER 25, 2018
PROJECT #: 11-052
SHEET #: 1 of 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Kristen M. Moore
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 10/14/2018