



**Bureau of Environmental Health**  
 8930 Stanford Boulevard, Columbia, MD 21045  
 Main: 410-313-2640 | Fax: 410-313-2648  
 TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 5/15/19 **ONSITE SEWAGE DISPOSAL SYSTEM** P 565491

APPROVAL DATE: 5-15-19 **PERMIT: CONSTRUCTION** A \_\_\_\_\_  
*05101019*

PROPERTY ADDRESS: 5042 GAITHER'S CHANCE DRIVE, CLARKSVILLE, MD 21029

SUBDIVISION: GAITHER'S CHANCE LOT: 6 TAX ID: 05-598952

CONTRACTOR: SOUTH CARROLL BACKHOE EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:  MDE  MANUFACTURER:

PROPERTY OWNER: NVR, INC. EMAIL: ccagle@nvrinc.com

OWNER ADDRESS: 9720 PATUXENT WOODS DRIVE, COLUMBIA, MD 21046 PHONE: (410)379-5956

BAT UNIT MODEL: HOOT 600 BNR PUMP SIZE: 0.5 PUMP TANK CAPACITY: 1500

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: \_\_\_\_\_ DATE RECORDED: \_\_\_\_\_

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

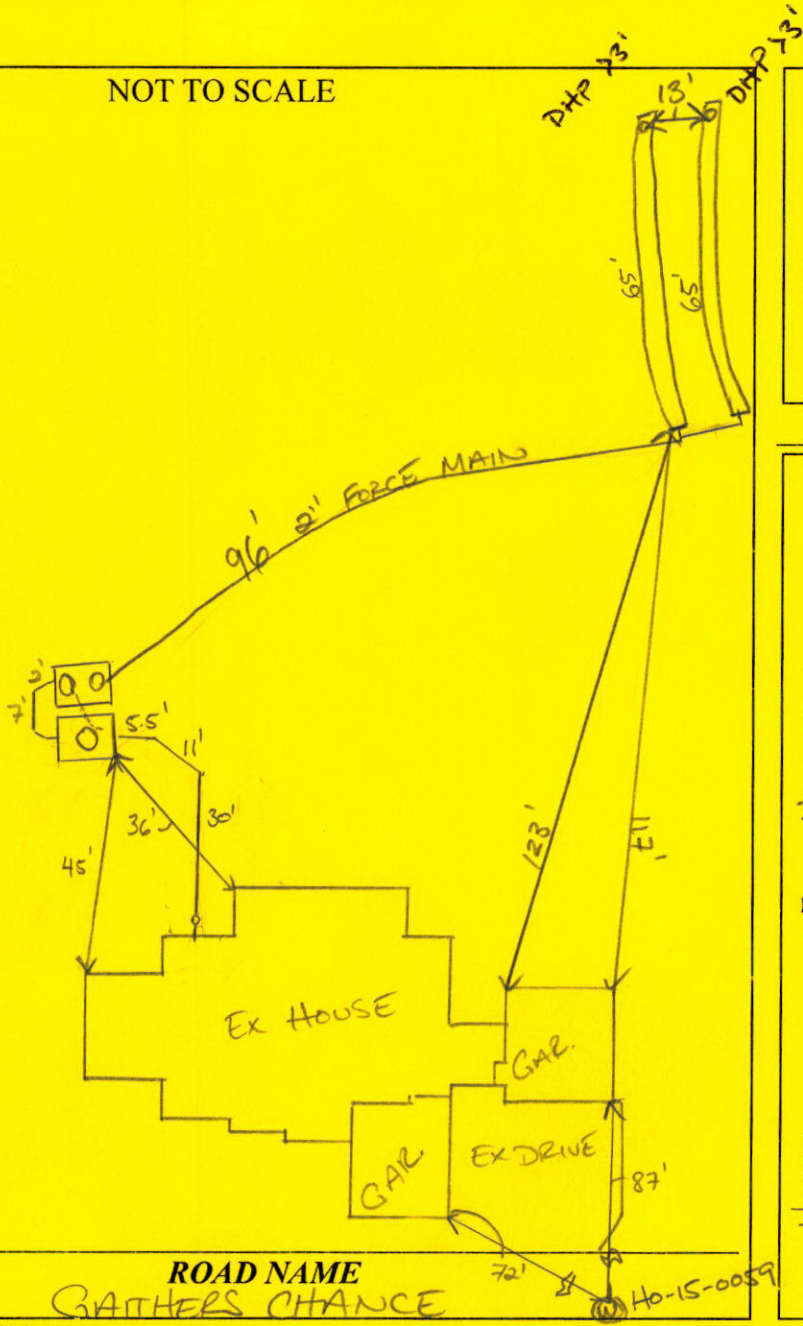
TRENCHES:	LINEAR FEET REQUIRED: <u>125</u>	INLET DEPTH: <u>2.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Goulds WE0511H (0.5 hp) pump, or performance equivalent	

ISSUED BY: R BRICKER ISSUE DATE: 5-15-19 EXPIRATION DATE: 5-15-20

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRAIDENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM  
 ELECTRICAL PERMIT ISSUED E 19002555
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.  
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	2'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		130 F
ABSORPTION AREA		390 SF
DISTRIBUTION BOX LEVEL		-(LPD)
DISTRIBUTION BOX BAFFLE		-
DISTRIBUTION BOX PORT		-

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	MAYER BROS
CAPACITY	600 BUR GAL
SEAM LOC	TOP
TANK LID DEPTH	3'
BAFFLES	YES
BAFFLE FILTER	TRASH COMP.
MANHOLE LOC	MID
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	-
DATE ON LID	NON COMPLIANT
PUMP/SEPTIC TANK LEVEL	YES
MANUFACTURER	MAYER BROS
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	3'
BAFFLES	-
BAFFLE FILTER	RECIRC.
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	-
DATE ON LID	NON COMPLIANT

ROAD NAME

GATHERS CHANCE

**PRE-CONSTRUCTION:**

5/31/2019 CONFIRM TANK, SDA, TRENCHES STAKED ON CONTOUR. LATERAL HOLE DIAMETER WAS REDLINED TO 1/4" (3/15/19). CONFIRMED HOUSE CUT WAS INSTALLED BELOW FOOTER. ENGINEER/BUILDER MUST DESIGN NEW TANK LOCATION OR RAISE HOUSE CUT (P)

INSTALLATION: 6/3/2019 CONSTRUCTION ON UPPER TRENCH. @ 6/4/2019 LPD DRAINFIELD TRENCHES COMPLETE. HOLES PACING ON LATERALS CONFIRMED. OK TO COVER. FORCE MAIN INSTALLING. SHC INSTALLED W/ SEWER LINE TO TANK LOCATION. (1% Fall) @ 6/7/2019 TANKS SET. GRADE TO BE REDUCED TO LIMIT COVER. REINSR. P/A. @ 08/02/2019 P/A CHECKED ON SEP BREAKERS. ELECTRICAL AT HOUSE DOES NOT WORK. CONT. TO CONFIRM. NEED START UP LETTER (P) (M) START UP LETTER RECEIVED (P)

FINAL INSPECTOR

DATE OF APPROVAL 08/12/2019



**MAYER BROS., INC.**

*Precast Concrete Products*  
6264 Race Rd. Elkridge, MD 21075

## Letter of Satisfaction Hoot System Installation

Address of Property: 5042 Gaithers Chance  
Clarksville, MD

Date of Final Inspection: 8/2/19

Installer: South Carroll Backhoe

Hoot Technician/Inspector: Mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

Name of Inspector  
Mayer Bros., Inc.

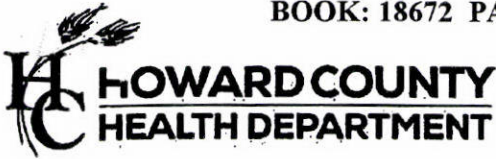
PH: 410-796-1434

FX: 410-796-1438

**WBE**

[www.mayerbrosprecast.com](http://www.mayerbrosprecast.com)

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors,  
Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers,  
Custom Precast Products



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

OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM

GE-0006

THIS AGREEMENT is made this 15 day of May 2019, among N/V Homes Ramesh Patia, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 5042 Brittons Chase Dr., Gaithersburg, MD, in the 5 Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 24, Block # E5, Parcel # A, Deed Reference # and Tax Account # 45 ("the Property").

WHEREAS, The Property is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective November 24, 2016. The pre-treatment device being installed is Hood 600.

Handwritten notes: 20, 40, CA

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County.

LR - Agreement
Recording Fee 20.00
Name: NVP/Patia
Ref: 30
LR Agreement 40.00
SubTotal: 60.00

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees either officially or individually, underwrites the operation of any system approved by them.

Total: 60.00
05/16/2019 12:54
CC13-MT
#12141969 CC0503 -
Howard Co
05.03.03 -

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Property shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as

the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Property that the system shall require maintenance or other attention. Upon taking title to the Property, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed this agreement on the date indicated above.

Beit Wilson 5/15/2019

Howard County Health Department

Phil [Signature] 5/14/19

Owner #1 Signature                      Date

\_\_\_\_\_  
Owner#2 Signature                      Date

NVR LLC  
Owner #1 Print Name

\_\_\_\_\_  
Owner #2 Print Name

[Signature] 04/28/19  
Buyer #1 Signature                      Date

\_\_\_\_\_  
Buyer #2 Signature                      Date

Romana Patricia  
Buyer #1 Print Name

\_\_\_\_\_  
Buyer #2 Print Name

FILE INQUIRY NOTES

Marshall Property Subdivision

DATE

RESULTS OF REVIEW FOR FILE

(5027 Ten Oaks Road)

ANY LOT

Design Septic System

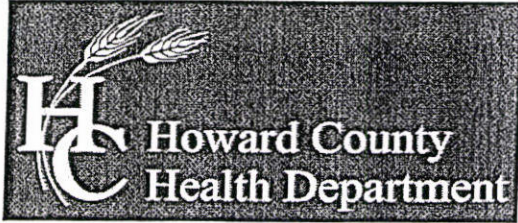
Distribution Trenches

as shallow as possible

AND still have at least

3 drain fields in SDA.

req per Bert



Bureau of Environmental Health

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

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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: \_\_\_\_\_

Subdivision: Gaither's Chance Lot: 6

Initial system: Application rate: 1.2 Effective area beginning depth: 3' Bottom maximum depth: 7'

1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 2' Bottom maximum depth: 7'

2<sup>nd</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4' Bottom maximum depth: 7'

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$\frac{W + 2}{W + 1 + 2D} \times 100 =$  Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D +W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

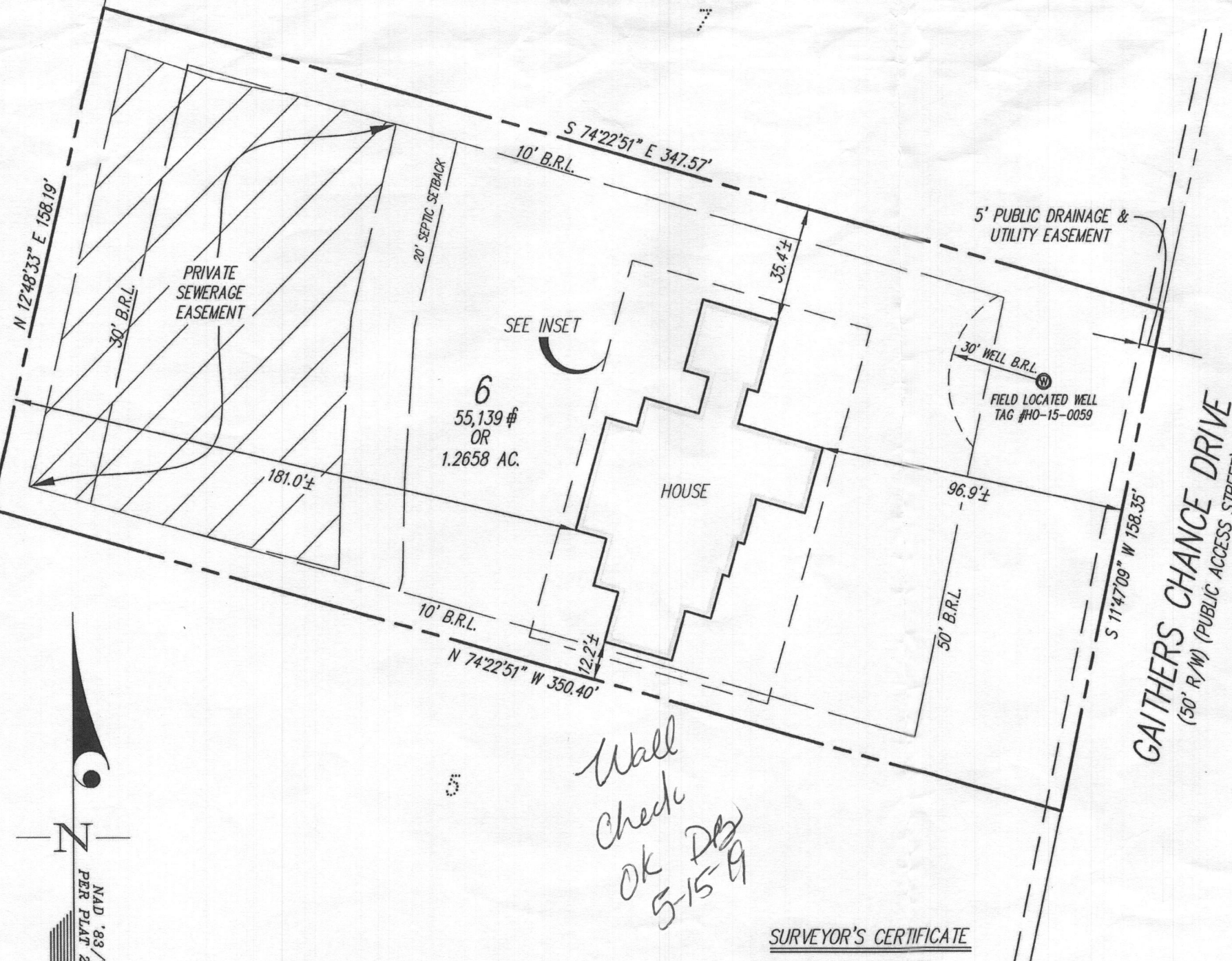
Additional requirements: BAT & LPD (requires Pump Tank / Chamber)

Design septic system Distribution Trenches to be as shallow as possible and still have 3 drainfields.

Approved: J. Buick

Date: 1/29/2016

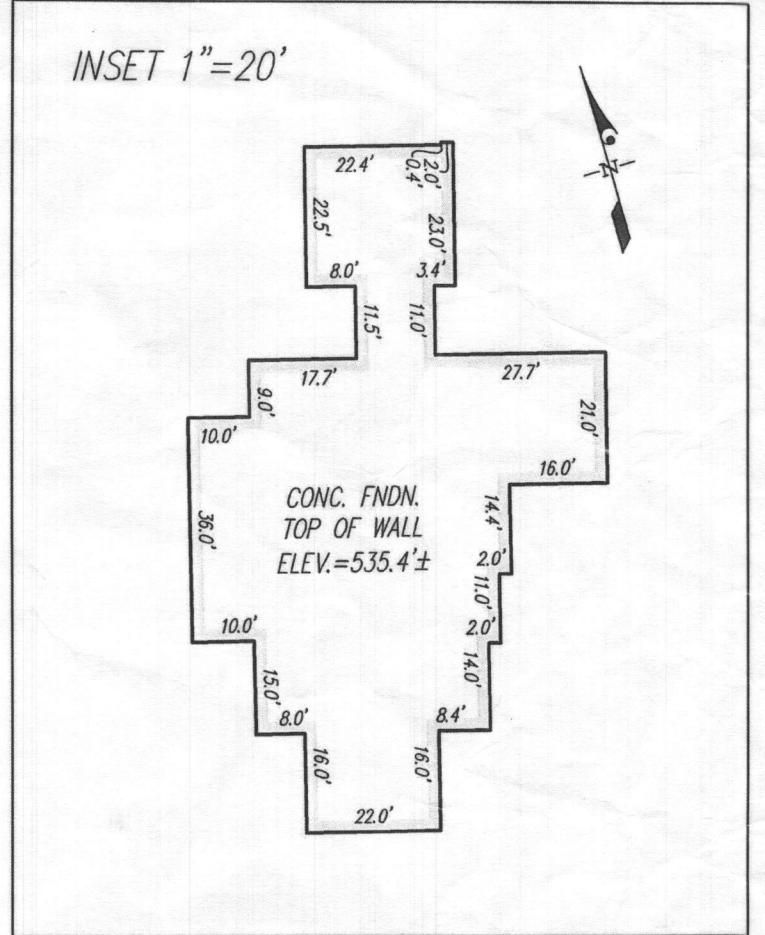
LOT 1  
SUBDIVISION PROPERTY  
PLAT NO. 10035



NOTES:  
THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS-OF-WAY, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY BOUNDARY LINES SHOWN HEREON ARE PER AVAILABLE RECORDS AND HAVE NOT BEEN FIELD VERIFIED. THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

THE PROPERTY SHOWN HEREON LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP, MAP NUMBER 24027C0130D, EFFECTIVE DATE NOVEMBER 6, 2013.

BUILDING SETBACKS (B.R.L.'S) SHOWN HEREON PER PLOT/SEDIMENT CONTROL PLAN. SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ± 0.1 FOOT.



Wall  
Check  
OK  
DB  
5-15-19

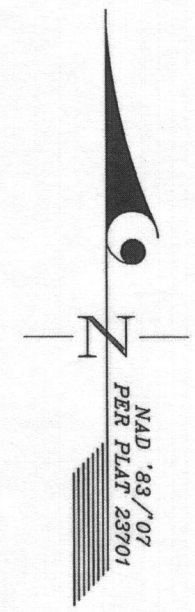
SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY TO:  
'NVR, INC.;

THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF,  
THE POSITION OF THE ABOVE REFERENCED BUILDING FOUNDATION  
HAS BEEN ESTABLISHED BY ACCEPTED FIELD PRACTICES.

*[Signature]* 4/23/2019  
For Gutschick, Little and Weber, P.A. :  
Thomas C. O'Connor, Jr.,  
Professional Land Surveyor, No. 10954 (EXP. DATE: 07/03/2020)

THIS WALLCHECK IS VALID ONLY WITH AN ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE SURVEYOR.



DES.	PREPARED FOR:
DRN. MAB	NVR, INC. 9720 PATUXENT WOODS DRIVE COLUMBIA, MD 21046
CHK.	

WALLCHECK (SPECIAL PURPOSE SURVEY)	
GAITHER'S CHANCE	
LOT 6	
5042 GAITHERS CHANCE DRIVE	
HOWARD COUNTY, MARYLAND	
DATE OF LATEST FIELD WORK: 4/22/2019	G.L.W. FILE No. 18-065
REFERENCE: PLAT BOOK: N/A	PLAT No. 23701
	SCALE: 1"=40'

