

**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: 7-18-19 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 55558

APPROVAL DATE: 10/04/2019 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 5038 Gaither's Chance Drive

SUBDIVISION: Gaither's Chance

LOT: 5

TAX ID: \_\_\_\_\_

CONTRACTOR: South Carroll Backhoe

EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157

PHONE: 410-596-3618

PROPERTY OWNER: NVR Inc.

EMAIL: \_\_\_\_\_

OWNER ADDRESS: 9720 Patuxent Woods Drive, Columbia, MD 21046

PHONE: 301-762-9511

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon

PUMP MODEL: WE 07H

PUMP SIZE

0.75 HP

PUMP TANK CAPACITY: 1500

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS: 6

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>125</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	See BAT/LPD design plan	

ISSUED BY: Hank Oswald

ISSUE DATE: 7-18-19

EXPIRATION DATE: 7-18-20

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 TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADE 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

19004177

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

SEE ATTACHED  
AS BUILT

ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	2'	3'
NUMBER OF TRENCHES		3
TOTAL LENGTH		125 F
ABSORPTION AREA		375 SF
DISTRIBUTION BOX LEVEL		N/A
DISTRIBUTION BOX BAFFLE		N/A
DISTRIBUTION BOX PORT		N/A

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL YES  
MANUFACTURER BABYLON  
CAPACITY 2000 GAL  
SEAM LOC TOP  
TANK LID DEPTH 3'  
BAFFLES YES  
BAFFLE FILTER NO  
MANHOLE LOC FRONT/RACK  
6" PORT LOC -  
WATERTIGHT TEST -  
SLOTTED YES  
DATE ON LID 08/03/2019

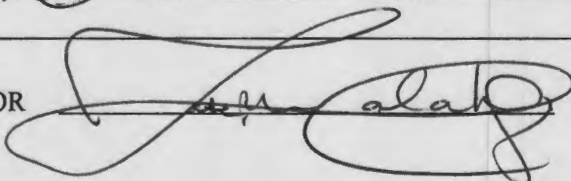
PUMP/SEPTIC TANK LEVEL YES  
MANUFACTURER BABYLON  
CAPACITY 1500 GAL  
SEAM LOC TOP  
TANK LID DEPTH 3'  
BAFFLES -  
BAFFLE FILTER -  
MANHOLE LOC OUTLET  
6" PORT LOC -  
WATERTIGHT TEST -  
SLOTTED -  
DATE ON LID 07/05/2019

**PRE-CONSTRUCTION:**

08/13/2019 TANK LOCATION, SDA, AND TRENCHES STAKED.  
KEEP FM IN SDA PER PLAN FOR ACCESS TO 1<sup>ST</sup> REP  
SYSTEM.

INSTALLATION: 08/20/2019 SEWER LINE AND TANKS SET. (P) 08/21/2019  
INSPECT UPPER LATERAL ORIFICE. UPPER TRENCH  
COMPLETE. (P) (PM) LOWER DISTAL TRENCH COMPLETED. OK TO  
BACKFILL (P) 8/22/2019 LOWER PROXIMAL TRENCH COMPLETED,  
FORCE MAIN INSTALLED. REINSPECTION P/A. (P) 10/4/19 Pump works. Tested  
DHP which passed. Alarm works. Septic Controller R Panel 27, septic motor R panel  
6 and 2. (PT)

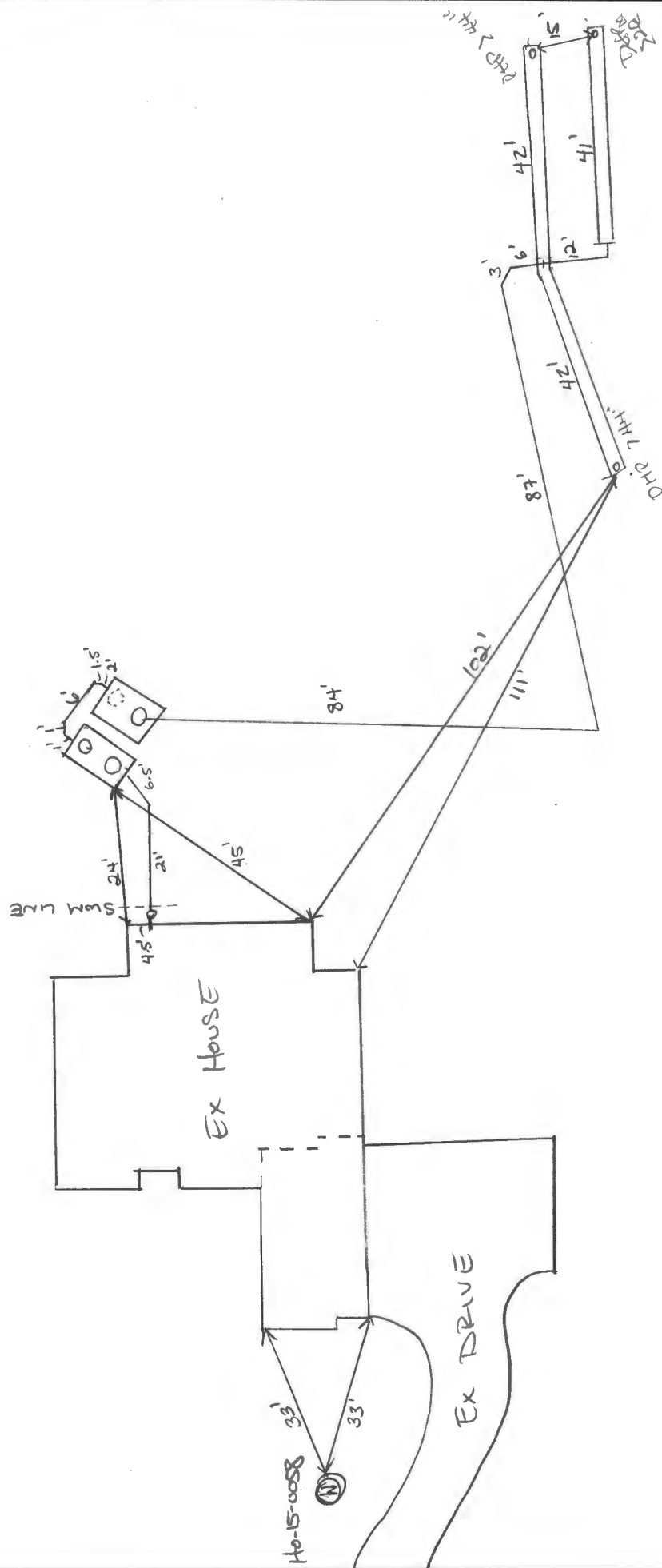
FINAL INSPECTOR



DATE OF APPROVAL

10/04/2019

**NOT TO SCALE**





31110 Medford Quarry

1111 Medford Rd

NEW WINDSOR, MD 21776 Ph: 410-876-6534



Ticket 20127623

Date	Print Time	Dispatch	Scale
8/22/2019	10:00 am		2

Vehicle MDCHEN5195 - CRAIG CHENOWETH

Carrier 931495 - CRAIG A CHENOWETH

Customer No	Order No	Product	PO No	Shipped Today	Job To Date
932594	00762087	0405 - ASTM 4	LOT 5	2 LDS (42.87 Ton)	3,813.09 Ton

Ship To 932594 - SOUTH CARROLL BACKHOE INC  
2019 VARIOUS - SOUTH CARROLL  
2019 MARYLAND VARIOUS PRICING

Dest ID GAITH GAITHER CHANCE

Instruct

	LBS	TONS	Metric
GROSS	68,560	34.28	31.10
TARE	25,600	12.80	11.61
NET	42,960	21.48	19.49

Weigh Master Sue Herman

StateID#:

Signature of Receiving Agent

Customer

Martin Marietta Standard Terms and Conditions apply (copy available at Site Office).



Read important health information on reverse.  
Léase la información importante para la salud en el reverso.

**PRECAUCIÓN**

**WARNING**



Pursuant to prior oral or written agreement between the parties, delivery occurred and title passed immediately after the products were loaded into the carrier at the point of shipment. All hauling from this plant or quarry at an agreed rate per ton or yard is performed by independent trucking contractors. Drivers, other than owner-drivers, will be employed by the trucking contractor. The trucking contractor assumes all liability for compensation, public liability, and property damage insurance, also all social security taxes, withholding taxes, and any other taxes assessed.

Aggregates may contain components that could react with alkaline materials in concrete mixtures. This could result in potential deterioration of and damage to the final concrete product ("Alkali-Aggregate Reactivity" or "AAR"). The potential for AAR should be taken into account in formulating concrete mixtures. Other than warranty of title and conformance to written specifications, **MARTIN MARIETTA HEREBY EXCLUDES ANY AND ALL WARRANTIES OF MERCHANTABILITY AND ALL WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE AND ALL WARRANTIES, EXPRESS OR IMPLIED, AS TO THE PERFORMANCE OF ITS AGGREGATES WITH RESPECT TO AAR.**

This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.



### WARNING: AVOID BREATHING DUST FROM THIS PRODUCT

This product contains crystalline silica. Prolonged and repeated breathing of crystalline silica dust can cause a progressive lung disease called silicosis.

- Several scientific organizations have reported that prolonged and repeated breathing of crystalline silica dust can cause lung cancer.
- Crystalline silica is known to the State of California to cause lung cancer.
- Silicosis or lung cancer can result in permanent injury or death.
- To reduce the risk of injury, prevent excessive and repeated dust exposure or use a NIOSH approved respirator as more fully described in the MSDS.
- The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure.
- **Read the Material Safety Data Sheet before using or handling this product** to determine the appropriate ventilation or respiratory protection necessary to safeguard your health. MSDS are available on our website at [www.martinmarietta.com](http://www.martinmarietta.com) or ask the plant manager for a copy.



### ADVERTENCIA: EVITE RESPIRAR EL POLVO DE ESTE PRODUCTO

Este producto contiene sílice cristalina. Respirar el polvo de la sílice cristalina repetidamente y por períodos prolongados puede causar la silicosis, una enfermedad progresiva de los pulmones.

- Varias organizaciones científicas reportan que el respirar el polvo de la sílice cristalina de forma repetida y por períodos prolongados puede causar cáncer del pulmón.
- El Estado de California reconoce que la sílice cristalina causa cáncer.
- La silicosis o el cáncer de pulmón pueden causar daños permanentes o la muerte.
- Para reducir el riesgo de sufrir daños a la salud, evite repetidamente y por períodos prolongados que esté expuesto al polvo de la sílice cristalina o usar un respirador aprobado del NIOSH.
- El riesgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la sílice.
- **Léase la Hoja de Datos sobre la Seguridad de los Materiales (llamada "Material Safety Data Sheet") antes de usar o manejar este producto para determinar la ventilación apropiada o la protección respiratoria necesario** para proteger su salud. La Hoja de Datos sobre la Seguridad de los Materiales esta disponible en nuestra sitio web [www.martinmarietta.com](http://www.martinmarietta.com) o le puede pedir una copia su gerente de planta.





# GLW

PLANNING | ENGINEERING | SURVEYING

3909 NATIONAL DR. SUITE 250  
BURTONSVILLE, MD 20866  
301-421-4024 | FAX: 301-421-4186  
WWW.GLWPA.COM

## LETTER OF TRANSMITTAL

**TO:** Bureau of Environmental Health

8930 Stanford Blvd.

Columbia, MD 21045

**ATTN:** \_\_\_\_\_

<b>DATE</b>	4-18-2019	<b>JOB NO.</b>	13070
<b>PROJECT</b>	Gaither's Chance		
	Lot 5 (5038 Gaithers Chance Dr.)		

**WE ARE SENDING THE FOLLOWING ITEMS:**

☒ **ATTACHED**

☐ **UNDER SEPARATE COVER**

☐ **MYLARS**

☒ **PRINTS**

☐ **COST ESTIMATES**

☐ **DESCRIPTIONS**

☐ **GRADE SHEETS**

☐ **COPY OF LETTER**

☐ **APPLICATIONS**

☐ **COMPUTATIONS**

☐ **OTHER**

**VIA:** ☐ **MAIL**

☐ **OVERNIGHT**

☒ **GLW COURIER**

☐ **COURIER**

☐ **OTHER**

COPIES	DATE	PAGES	DESCRIPTION
3		1 of 1	OSDS Plan for Gaither's Chance - Lot 5 (5038 Gaithers Chance Dr.)

**THESE ARE TRANSMITTED as checked below:**

☒ **FOR APPROVAL**

☒ **FOR YOUR USE**

☒ **FOR REVIEW & COMMENT**

☐ **PER YOUR REQUEST**

☐ **SIGN & RETURN**

☐ **AS SUBMITTED TO** \_\_\_\_\_

☐ **AS REQUESTED BY** \_\_\_\_\_

☐ \_\_\_\_\_

**REMARKS:**

**COPY TO:**

Mike Tran

**SIGNED:**

*Kristy Pierce*  
Kristy Pierce

If enclosures are not as noted, kindly notify us at once.

## Oswald, Hank

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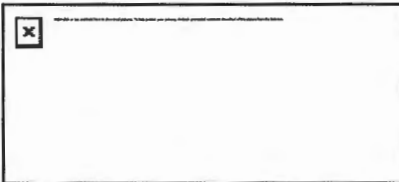
**From:** Mike Tran <mtran@glwpa.com>  
**Sent:** Thursday, May 02, 2019 12:09 PM  
**To:** Oswald, Hank  
**Subject:** Fwd: FW: FW: Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times

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

Hank,

Please see email chain below and let me whether we need to change the OSDS Plan for Lot 10 at Gaither's Chance.

Thanks,  
Mike



3909 National Dr., Suite 250 | Burtonsville, MD 20866  
PH: 301-421-4024 | PH (Baltimore): 410-880-1820  
PH (Northern VA): 301-989-2524 | FAX: 301-421-4186

Check out our new website: [WWW.GLWPA.COM](http://WWW.GLWPA.COM)

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----- Forwarded message -----

**From:** Bricker, Robert <RBricker@howardcountymd.gov>  
**Date:** Mon, Nov 28, 2016 at 1:27 PM  
**Subject:** FW: FW: Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times  
**To:** mtran@glwpa.com <mtran@glwpa.com>

Mike,

Making a correction in the statement of my response to you two weeks ago: low-pressure distribution will not be required on septic systems in the Gaither's Chance subdivision that do not have a BAT unit.

Reiterating, with the edit: the lots that have upgradient septic systems (1, 2, 3, 4, 6, 7, and 8) will each have a BAT unit and (LPD); the lots that do not have a septic system upgradient of a well and will require a standard septic tank and gravity distribution (whether pumping to a Distribution Box or not) are 5, 9, 10, 11, 12, 13, 14, 15, 16, 17, and (if not yet installed) 18.

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

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**From:** Bricker, Robert  
**Sent:** Tuesday, November 15, 2016 1:33 PM  
**To:** 'Mike Tran'  
**Cc:** Williams, Jeffrey  
**Subject:** RE: FW: Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times

Mike,

The Health Department is waiting release of a guidance document by MDE prior to announcing any changes in our requirements.

The following items are certain:

BAT units will be required when the septic system is being installed up-gradient of a well, and a MDE variance for that spatial relationship will still be required.

We will still require BAT units when the sewage disposal area is large enough to accommodate only two drainfields (an initial drainfield and one replacement drainfield) for the planned residence.

There are any number of situations that pretreatment such as a BAT unit may be required due to the character of the planned discharge.

BAT units may be required when the Approving Authority determines the requirement enhances public health.

Installation plans will still be required, especially where pump tanks and/or low-pressure distribution (LPD) are required.

In terms of what this means for the Gaither's Chance subdivision: the lots that have upgradient septic systems (1, 2, 3, 4, 6, 7, and 8) will each have a BAT unit and (LPD); the requirement for BAT units may be re-evaluated for lots 5, 9, 10, 11, 12, 13, 14, 15, 16, 17, and (if not yet installed) 18.

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

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**From:** Mike Tran [<mailto:mtran@glwpa.com>]  
**Sent:** Monday, November 14, 2016 6:29 PM  
**To:** Bricker, Robert  
**Subject:** Fwd: FW: Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times

Are there any changes to BAT system requirements in Howard County?

----- Forwarded message -----

From: **Marc Quint** <[mquint@mitchellbest.com](mailto:mquint@mitchellbest.com)>

Date: Mon, Nov 14, 2016 at 4:37 PM

Subject: FW: Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times

To: Mike Tran <[mtran@glwpa.com](mailto:mtran@glwpa.com)>

Cc: Marty Mitchell <[mmitchell@mitchellbest.com](mailto:mmitchell@mitchellbest.com)>, Rob Mitchell <[robmitchell@mitchellbest.com](mailto:robmitchell@mitchellbest.com)>, Ralph Mobley <[rmobley@mitchellbest.com](mailto:rmobley@mitchellbest.com)>, Daniel Ellis <[dellis@mitchellbest.com](mailto:dellis@mitchellbest.com)>

Mike:

Have you or anyone else at GLW heard anything on this as far as Howard County, and what they are planning?

Let us know. Thanks, Marc

---

**From:** Marty Mitchell

**Sent:** Monday, November 14, 2016 1:03 PM

**To:** Marc Quint <[mquint@mitchellbest.com](mailto:mquint@mitchellbest.com)>; Rob Mitchell <[robmitchell@mitchellbest.com](mailto:robmitchell@mitchellbest.com)>; Daniel Ellis <[dellis@mitchellbest.com](mailto:dellis@mitchellbest.com)>; Ralph Mobley <[rmobley@mitchellbest.com](mailto:rmobley@mitchellbest.com)>

**Subject:** FW: Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times

The regulation eliminating the BAT systems was approved, but it still allows a local jurisdiction to require the BAT system.

Thank you,

**Marty Mitchell**

CEO

Mitchell & Best Homes

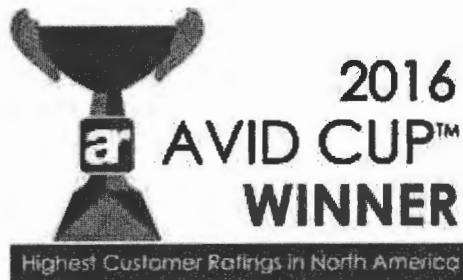
1686 East Gude Drive

Rockville, MD 20850

O: 301.762.9511 ext. 304

C: 301.370.5304

Mitchell & Best | Twitter | Facebook | YouTube



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**From:** Annette Rosenblum [<mailto:arosenblum@marylandbuilders.org>]

**Sent:** Monday, November 14, 2016 12:54 PM

**Subject:** Final Effective Nov. 24 Removal of Requirement for Nitrogen BAT Systems Outside Critical Area & Proposed 2017 MDE Permit Turnaround Times

Environmental Committee:

The following November 14, 2016 MD Register items are attached:

- Adopted effective Nov. 24, 2016 MDE Regulation that removes the requirement that Best Available Technology for Removal of Nitrogen (BAT) systems be installed outside the Critical Area for all new construction. One change adds language that clarifies that local jurisdictions can require BAT outside Critical Area in order to protect public health or waters of the State.

- Proposed 2017 MDE Permit Application Turnaround Times are available for comment until December 11 to Andrew Gosden at [andrew.gosden@maryland.gov](mailto:andrew.gosden@maryland.gov). For comparison, also attached is the 2016 Proposal.

Annette

*Annette Rosenblum*  
*Director, Regulatory Affairs*

*Maryland Building Industry Association*

*11825 W. Market Place*

*Fulton, MD 20759*

*Phone: 301-776-6211*

*Cell: 240-678-8100*

*E-mail: arosenblum@marylandbuilders.org*



**Advocate I Educate I Network I Build**

*Tour and Networking Event at Two Rivers Clubhouse - Nov. 15*

*Hosted by the Professional Women in Building Council. Register here.*

*MBIA Awards of Excellence - Nov. 16*

*Featuring the Leadership Awards &  
the Land Development Council Awards of Excellence. Register here.*

*Anne Arundel Chapter Holiday Party - Dec. 8*

*Celebrate the Season and Help the AACO PAC. Register here.*

*Check out NAHB's Member Advantage Program at [www.nahb.org/ma](http://www.nahb.org/ma)*



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Fax: 301-421-4186  
www.glwpa.com

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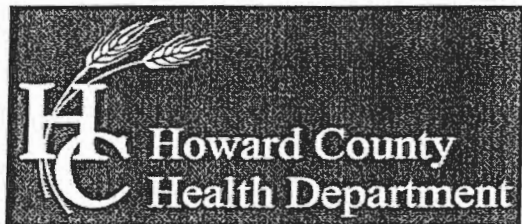
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M-L w/  
Impervious Liner



<b>PRELIMINARY GRADING PLAN &amp; SOILS MAP</b> <b>GAITHER'S CHANCE</b> LOTS 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000		PREPARED FOR / OWNER: J. L. L. ROAD CLARKSVILLE, MD 21029 JANET MARSHALL 410-531-1400	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT I HAVE REVIEWED THIS MAP AND THAT IT IS A TRUE AND CORRECT REPRESENTATION OF THE INFORMATION SUBMITTED TO ME FOR THIS PURPOSE. EXPIRATION DATE: 12/31/2014	PREPARED BY / ENGINEER: J. L. L. ROAD CLARKSVILLE, MD 21029 JANET MARSHALL 410-531-1400	SCALE: 1"=50' DATE: MARCH, 2014 SHEET: 2 OF 6	C.L. & FILE NO. RR-180 13070
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EEP-14-067



## 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

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: 5

Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 7

1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 7

2<sup>nd</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3.5 Bottom maximum depth: 6

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:

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

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: \_\_\_\_\_

Date: 1/28/2016

## 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

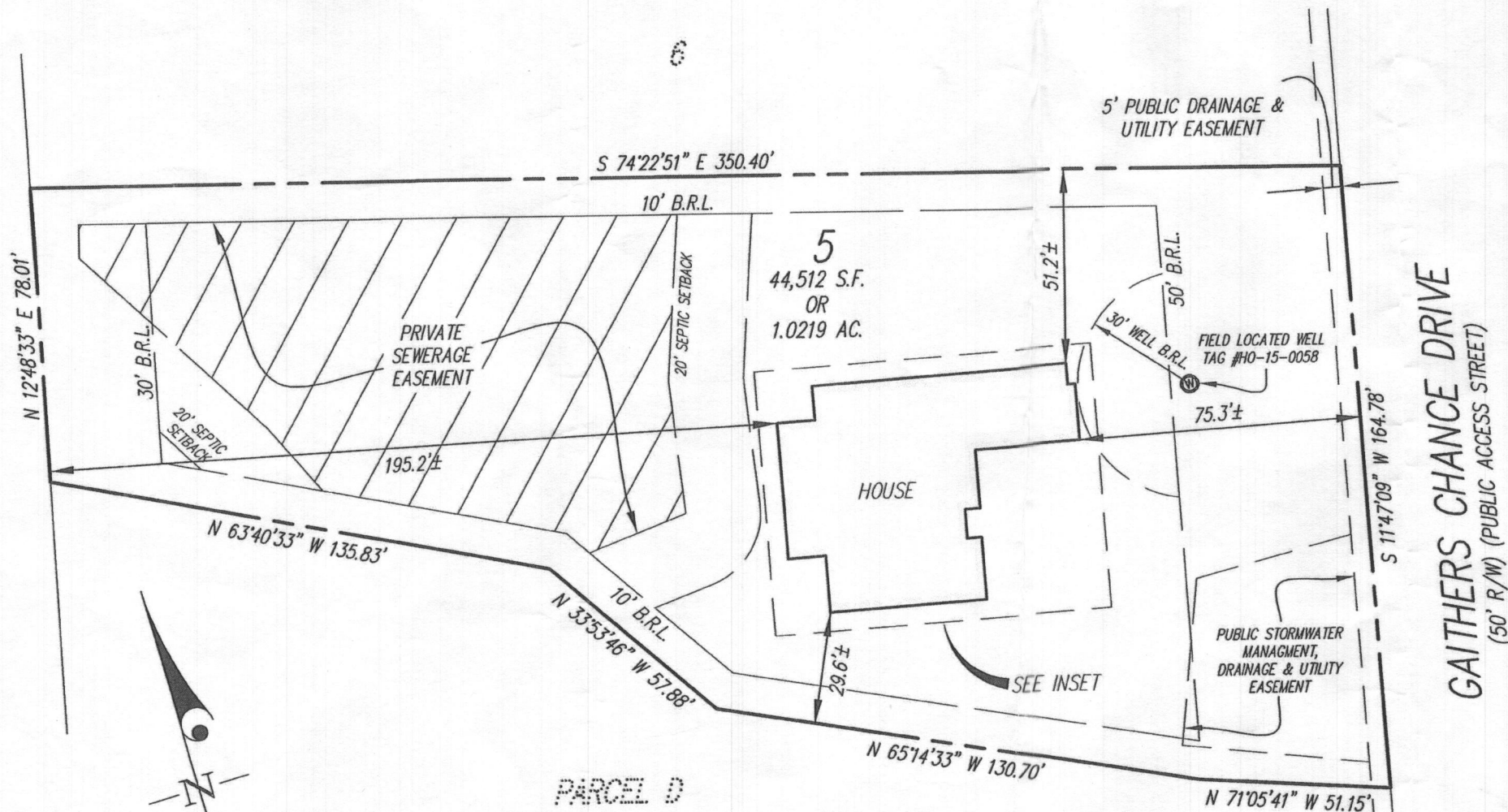
3 drain fields in SDA.

rcB per Bent

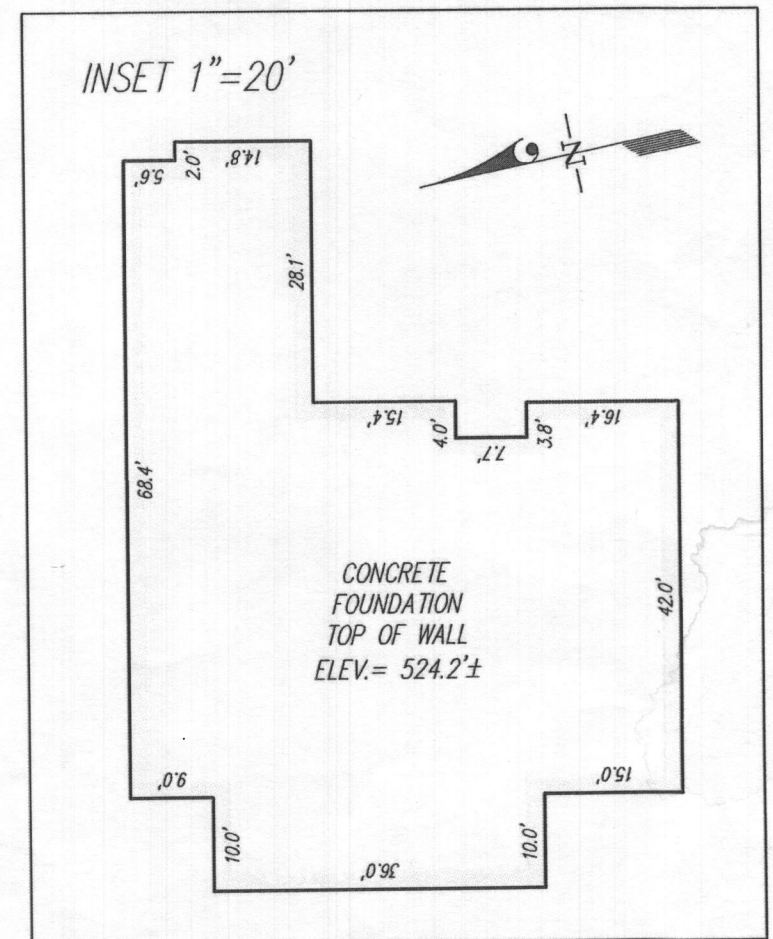


SCALE 1"=30'	ENGINEERING RR-DEO	C. E. H. FILE NO. 13070
DATE APRIL 1919	TAX MAP - GRID 28-8,9,14&15	SHEET 1 OF 1





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.



7/18/19  
Wall  
check  
approved  
W. K.

SCALE: 1"=40'

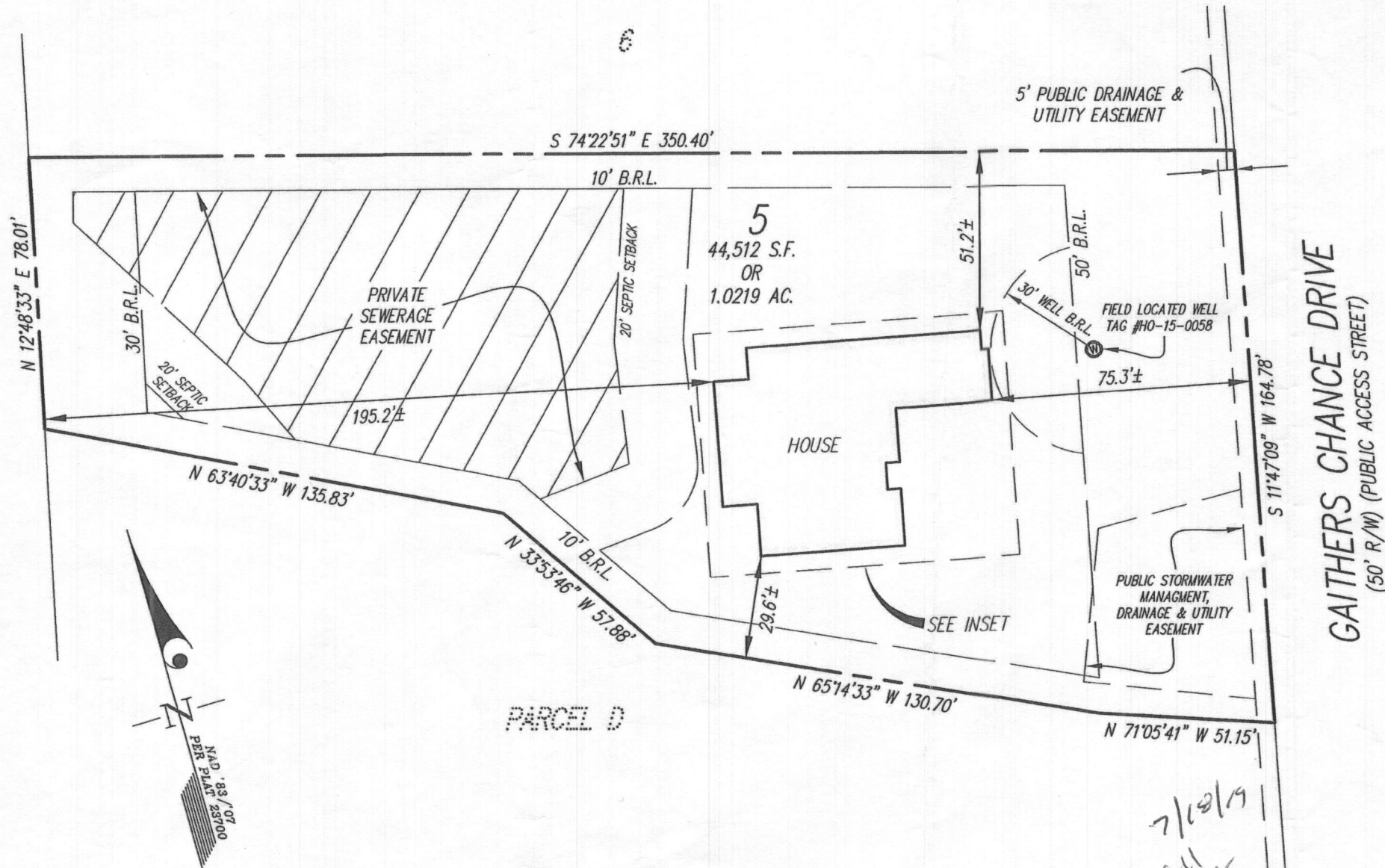


PREPARED FOR:  
NVR, INC.  
9720 PATUXENT  
WOODS DRIVE  
COLUMBIA, MD 21046



S:\Survey Drawings\WALLCHECK\GAITHER'S CHANCE-18065 + 16040\WCK\WCK-5.dwg, 7/9/2019 2:43:58 PM, morgamb, 5501\_SURVEY (COLOR).pc3 1:1

"SAVED PROPERTY" LOTS 1-4  
PLAT No. 10935

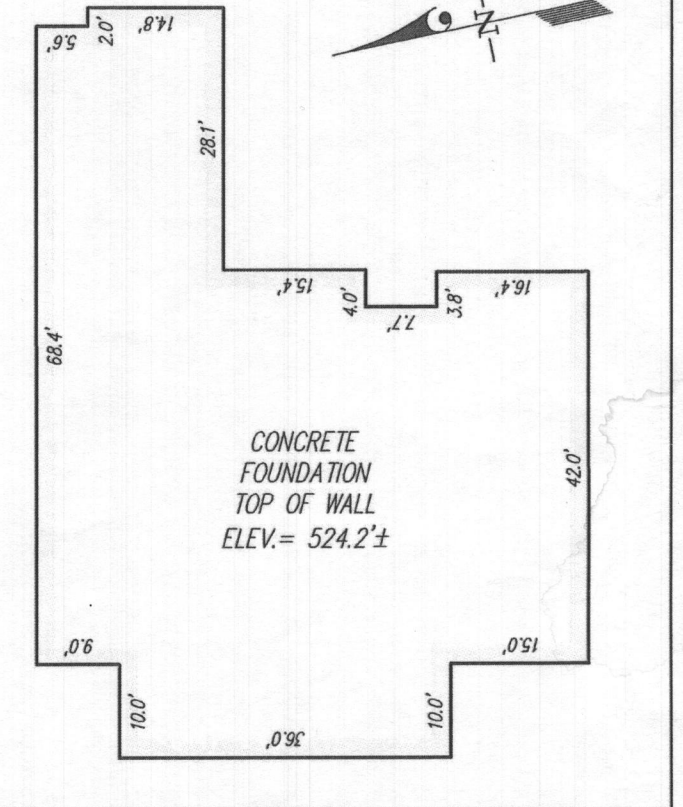


NOTES:  
THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS-OF-WAY, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY 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.

INSET 1"=20'



#### 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.

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.  
DRN. MAB  
CHK.

PREPARED FOR:  
NVR, INC.  
9720 PATUXENT  
WOODS DRIVE  
COLUMBIA, MD 21046

WALLCHECK  
(SPECIAL PURPOSE SURVEY)

GAITHER'S CHANCE

LOT 5

5038 GAITHERS CHANCE DRIVE

HOWARD COUNTY, MARYLAND

DATE OF LATEST FIELD WORK: 7/8/2019

G.L.W. FILE No. 18-065

REFERENCE: PLAT BOOK: N/A

PLAT No. 23700

SCALE: 1"=40'