



Howard County  
Health Department

**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: 10/20/19

**ONSITE SEWAGE DISPOSAL SYSTEM**

P 526416A

APPROVAL DATE: 12/1/2019

**PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 13828 Mill Creek Court

SUBDIVISION: Mill Creek

LOT: 5

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

CONTRACTOR: South Carroll Backhoe

EMAIL: scbackhoe@comcast.com

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: 410-379-5956

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon

PUMP MODEL: N/A

PUMP SIZE \_\_\_\_\_

N/A

PUMP TANK CAPACITY: N/A 1500

DISTRIBUTION SYSTEM:  GRAVITY

PRESSURE DOSED

BEDROOMS: 6

APPLICATION RATE 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>156.25</u>	INLET DEPTH: <u>3/2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	LPD follow layout of OSDS PLAN	

ISSUED BY: Dana Bernard

ISSUE DATE: 10/20/19

EXPIRATION DATE: 10/20/20

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 DOWNGRADIENT 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 19005029

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.



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Twitter: HowardCoHealthDep

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SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

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

Subdivision: Crawford and O'Keefe Property Lot: 5

Initial system: Application rate: 1.2 Effective area beginning depth: 6 Bottom maximum depth: 8

1st Replacement: Application rate: 0.8 Effective area beginning depth: 5.5 Bottom maximum depth: 8

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 6.5 Bottom maximum depth: 8

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:

(W + 2) / (W + 1 + 2D) x 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:

- Trenches must be located to provide room for 3 systems in the disposal area
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:

Approved: Dana Bernard Date: 2/20/2018



**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

DATE	8-7-2018	JOB NO.	17071
PROJECT	Crawford Subdivision		
	Lot 5 (13828 Mill Creek Ct.)		

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

**WE ARE SENDING THE FOLLOWING ITEMS:**

<input type="checkbox"/> MYLARS	<input checked="" type="checkbox"/> PRINTS	<input type="checkbox"/> COST ESTIMATES	<input type="checkbox"/> DESCRIPTIONS	<input type="checkbox"/> GRADE SHEETS
<input type="checkbox"/> COPY OF LETTER	<input type="checkbox"/> APPLICATIONS	<input type="checkbox"/> COMPUTATIONS	<input type="checkbox"/> OTHER _____	

**VIA:**  MAIL  OVERNIGHT  GLW COURIER  COURIER  OTHER \_\_\_\_\_

COPIES	DATE	PAGES	DESCRIPTION
3		1 of 1	OSDS Plan for Crawford Subdivision - Lot 5 (13828 Mill Creek Ct.)

**THESE ARE TRANSMITTED as checked below:**

<input checked="" type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> SIGN & RETURN
<input checked="" type="checkbox"/> FOR YOUR USE	<input type="checkbox"/> AS SUBMITTED TO _____
<input checked="" type="checkbox"/> FOR REVIEW & COMMENT	<input type="checkbox"/> AS REQUESTED BY _____
<input type="checkbox"/> PER YOUR REQUEST	<input type="checkbox"/> _____

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**COPY TO:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

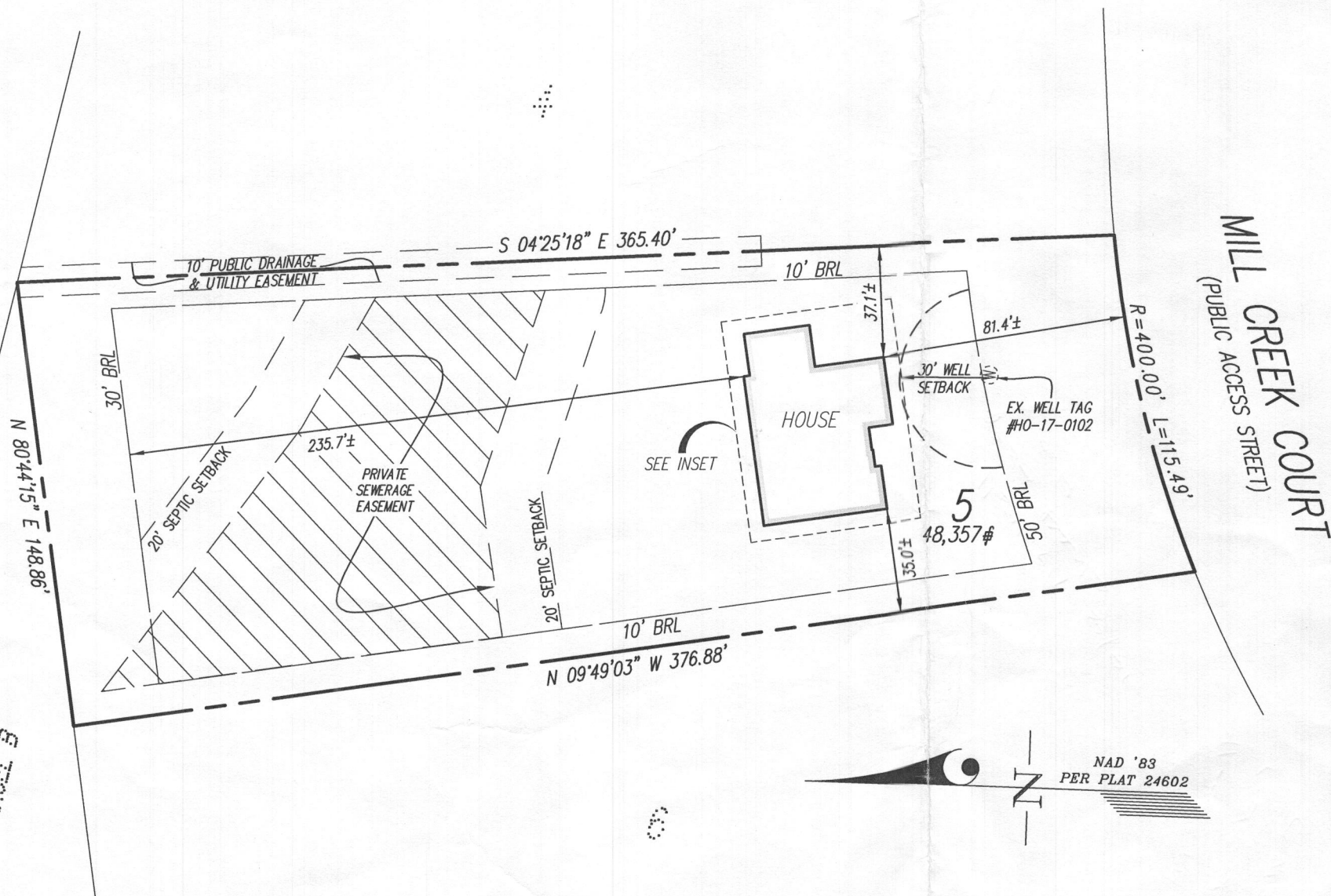
**SIGNED:** Kristy Pierce  
 Kristy Pierce

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



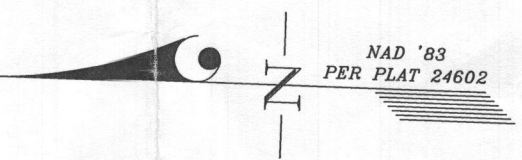
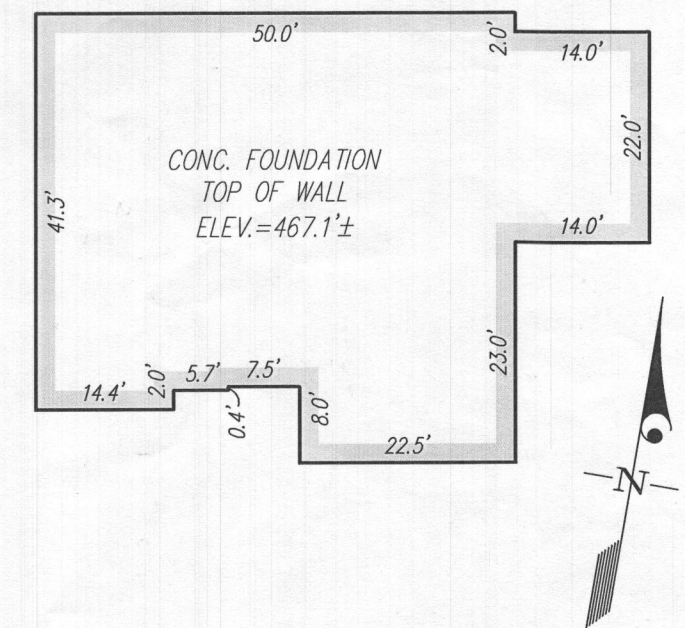
STATE OF MARYLAND  
DEPARTMENT OF NATURAL RESOURCES  
LIBERTY 030 FOLD 287

PRESERVATION  
PARCELS



**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 24027C0140D, EFFECTIVE DATE NOVEMBER 6, 2013.  
  
BUILDING SETBACKS (B.R.L.'S) SHOWN HEREON PER PLOT PLAN.  
  
SETBACK DISTANCES SHOWN HEREON ARE TO THE OUTERMOST FACE OF THE FOUNDATION WALLS AND HAVE AN ACCURACY OF ± 0.1' FOOT.

INSET 1"=20'



10.22.19-  
wall check  
okay H.O.

**SURVEYOR'S CERTIFICATE**

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

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

*[Signature]* 10/7/2019  
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.

**WALLCHECK**  
(SPECIAL PURPOSE SURVEY)

**CRAWFORD SUBDIVISION**  
  
**LOT 5**  
**13828 MILL CREEK COURT**



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

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

HOWARD COUNTY, MARYLAND  
DATE OF LATEST FIELD WORK: 10/3/2019  
REFERENCE : PLAT No.: 24602  
G.L.W. FILE No. 17071  
SCALE: 1"=50'