



**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](https://www.facebook.com/hocohealth)

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

RECEIPT DATE: 3/20 P 567336

APPROVAL DATE: 3/16/2020 **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 13840 Mill Creek Court

SUBDIVISION: Mill Creek LOT: 7 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

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

TRENCHES:	LINEAR FEET REQUIRED: <u>89.4</u>	INLET DEPTH: <u>3' 2'</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10' 13'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Dana Bernard M.D. ISSUE DATE: 3.10.20 EXPIRATION DATE: 3/20

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION 3.10.20
- 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 \_\_\_\_\_
- 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.**

279189279189

NOT TO SCALE

SEE ATTACHED  
AS BUILT

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		90'
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babilon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	Yes
BAFFLE FILTER	-
MANHOLE LOC	Front/Rear
6" PORT LOC	None
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	N/A

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

3/17/2020 TANK + SDA STAKED. CONT REMOVING FILL @ TANK LOCATION. TRENCHES ADJUSTED FOR CONTOUR. OK TO START.

INSTALLATION: 3/16/20 Asked contractor to send me pictures and as-built. Could not make to site due to COVID-19 staff shortage.

FINAL INSPECTOR

*[Signature]*

DATE OF APPROVAL

3/16/2020



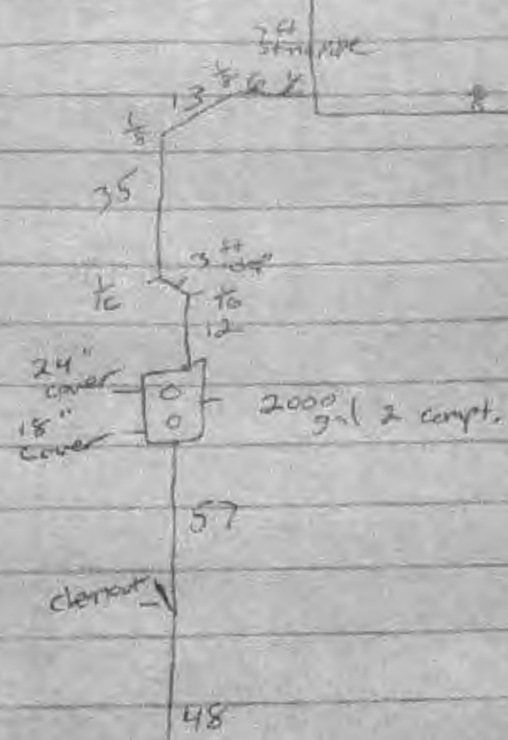
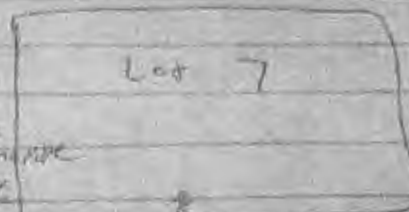
13840 Mill creek court

N.W. Homes

Lot 7

Finished

3/16/20

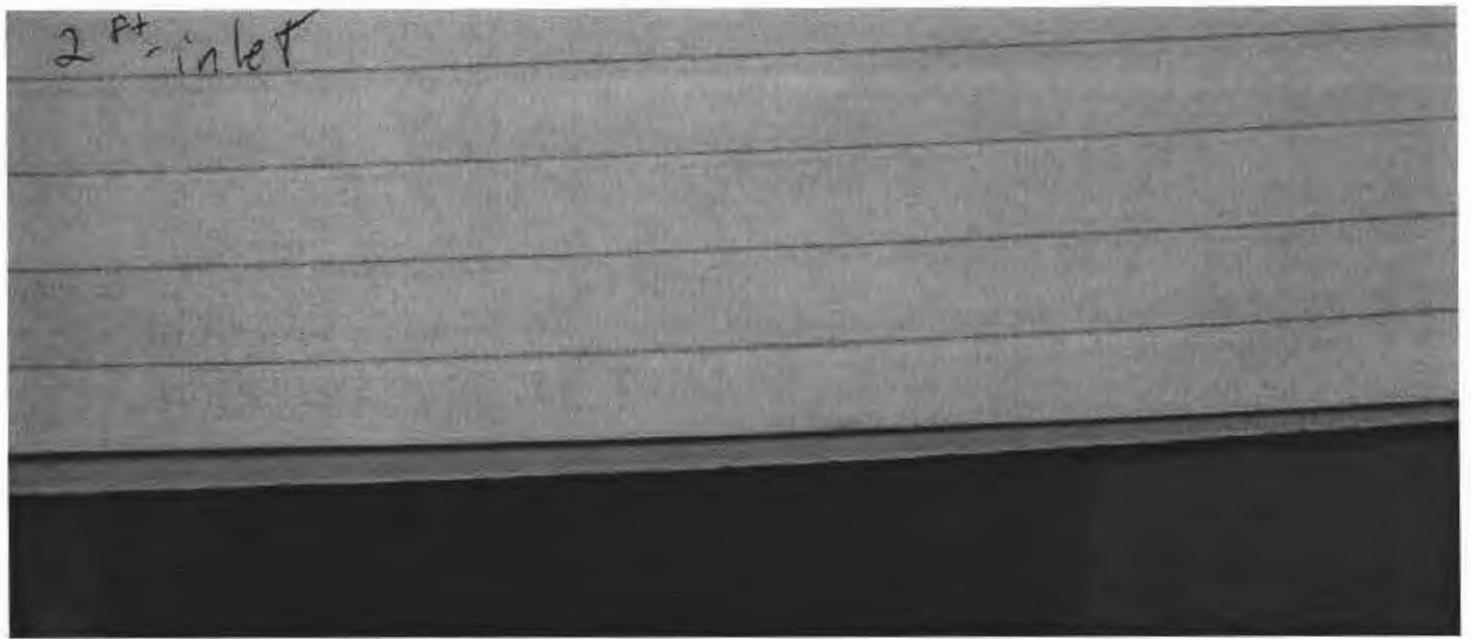


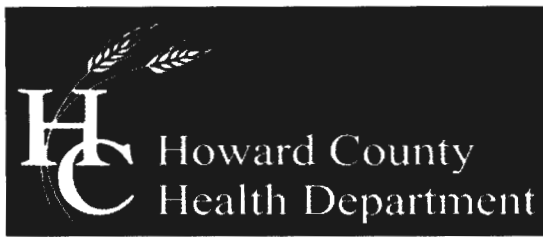
Trenches

45 ft long

3 ft wide

8 ft Bottom





Bureau of Environmental Health

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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: Crawford and O'Keefe Property Lot: 7

Initial system: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8
1st Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8
2nd Replacement: Application rate: 1.2 Effective area beginning depth: 5.5 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:

(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

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

<b>DATE</b>	10-14-2014	<b>JOB NO.</b>	17071
<b>PROJECT</b>	Crawford Subdivision		
	Lot 7 (13840 Mill Creek Ct.)		

- 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 Crawford Subdivision - Lot 7 (13840 Mill Creek Ct.)

- 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:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

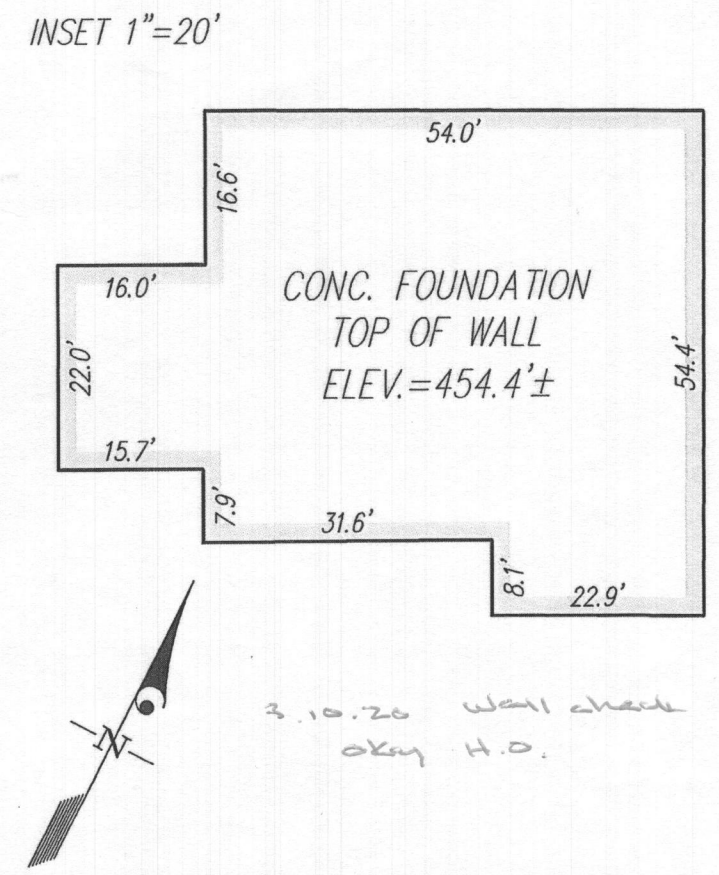
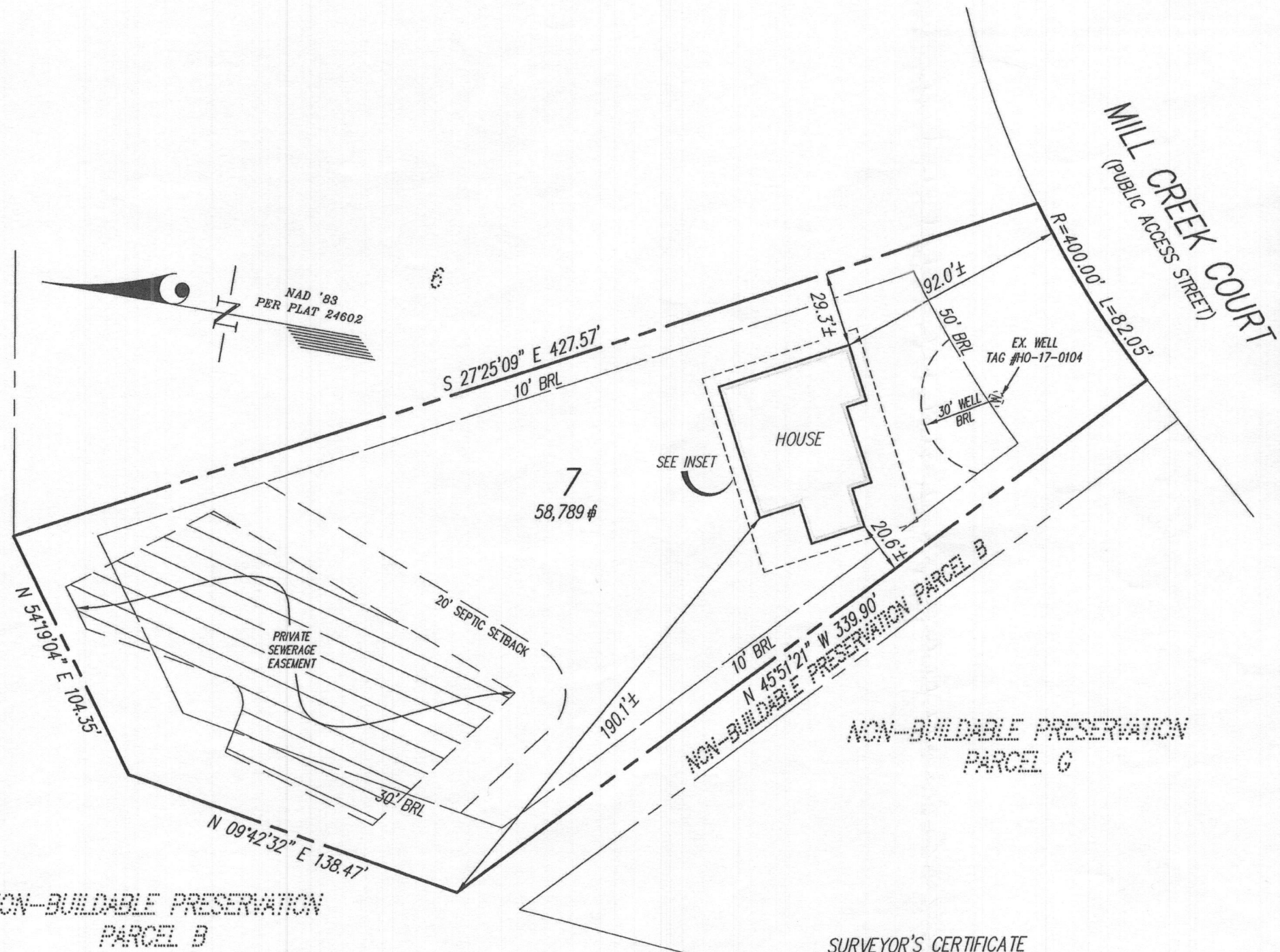
**COPY TO:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SIGNED:** Kristy Pierce  
 Kristy Pierce

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

S:\Survey Drawings\WALLCHECK\MILL CREEK-17071\WCK-17071\WCK-7.dwg, 7, 2/17/2020 2:40:20 PM, 11" x 17", 1:1

**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.



**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]* 2/17/2020  
 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 7  
 13840 MILL CREEK COURT

HOWARD COUNTY, MARYLAND	
DATE OF LATEST FIELD WORK: 2/14/2020	G.L.W. FILE No. 17071
REFERENCE: PLAT No.: 24602	SCALE: 1"=50'



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

