

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

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

RECEIPT DATE: 07/18/2009 **ONSITE SEWAGE DISPOSAL SYSTEM** P 505558-B

APPROVAL DATE: 08/20/2009 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 13816 Mill Creek Court

SUBDIVISION: Mill Creek LOT: 3 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: 5 APPLICATION RATE 1.2

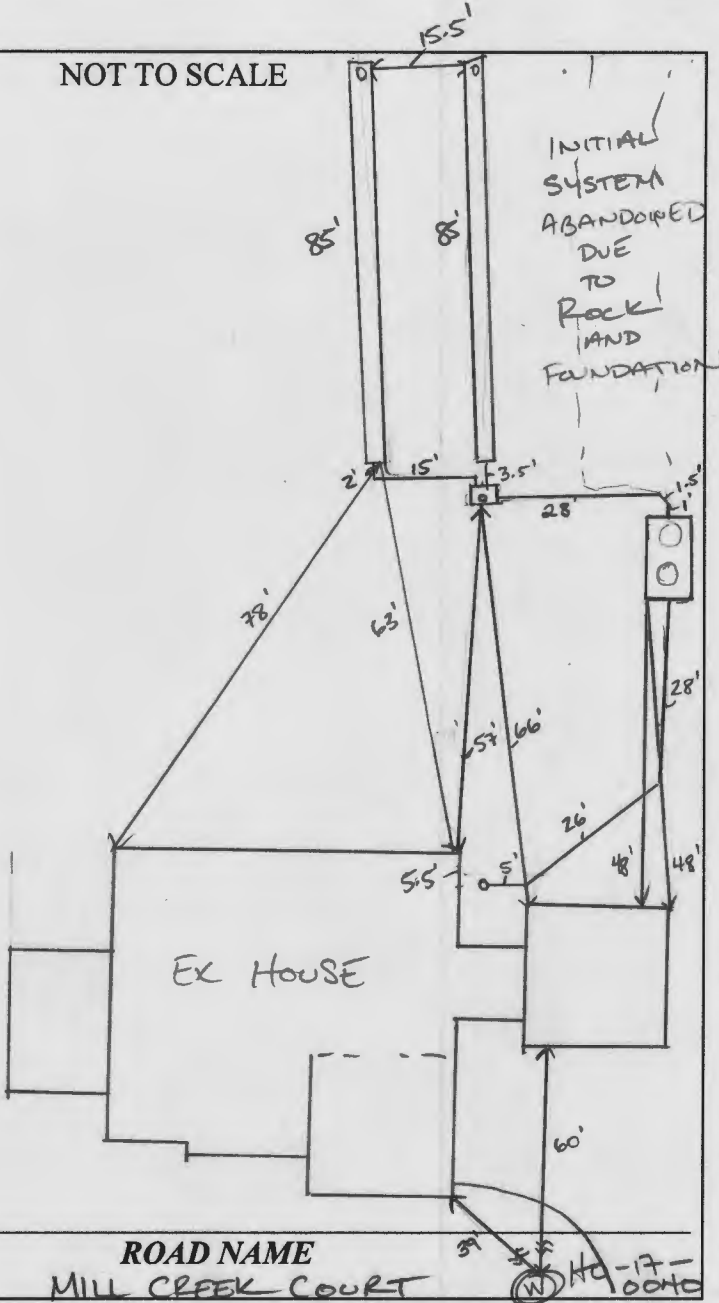
TRENCHES:	LINEAR FEET REQUIRED: <u>130</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install 2 x 65.2 trenches	

ISSUED BY: Hank Oswald ISSUE DATE: _____ EXPIRATION DATE: _____

- 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 N/A
- 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'	4'	2'
NUMBER OF TRENCHES		2
TOTAL LENGTH		170 F
ABSORPTION AREA		SIDE
DISTRIBUTION BOX LEVEL		SPEED
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'
BAFFLES	YES
BAFFLE FILTER	-
MANHOLE LOC	FRONT/BACK
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	07/02/2019

PUMP/SEPTIC TANK LEVEL

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

PRE-CONSTRUCTION:

08/13/2019 TRENCHES, SDA, AND TANK SPOKED. HUNG SEWER. CONTOUR CHECKED. OK TO START.

8/15/2019 LAYOUT 2 85' TRENCH BELOW INITIAL SYSTEM.

INSTALLATION:

08/14/2019 SEPTIC TANK INSTALLED. BEGINNING CONSTRUCTION ON UPPER TRENCH. (P) INSTALL TRENCHES ON 1ST REP SYSTEM AS CLOSE TO INITIAL AS POSSIBLE. INC. LINEAR FOOTAGE TO WIDTH OF SDA. (P)

8/15/2019 UPPER TRENCH COMPLETED. CLEAR OF ROCK AND FOUNDATION. SEWER LINE INSTALLED INTO TANK. (P)

08/19/2019 LOWER TRENCH COMPLETED. D BOX LEVELED W/ SPEED LEVELS. OK TO BACKFILL. (P)

FINAL INSPECTOR

DATE OF APPROVAL

08/19/2019

ON AND FOUNDATION SYSTEM



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: Crawford and O'Keefe Property Lot: 3

Initial system: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 8

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 4 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:

$\frac{W + 2}{W + 1 + 2D} \times 100 =$ 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: Out Building located inside the septic area must be removed before the issuance of a building permit.

Approved: Dana Bernard Date: 2-16-2018

OSDS



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	4-25-2018	JOB NO.	17071
PROJECT	Crawford Subdivision		
	Lot 3 (13816 Mill Creek Ct.)		

ATTN: _____

- 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 3 (13816 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 _____
 - _____

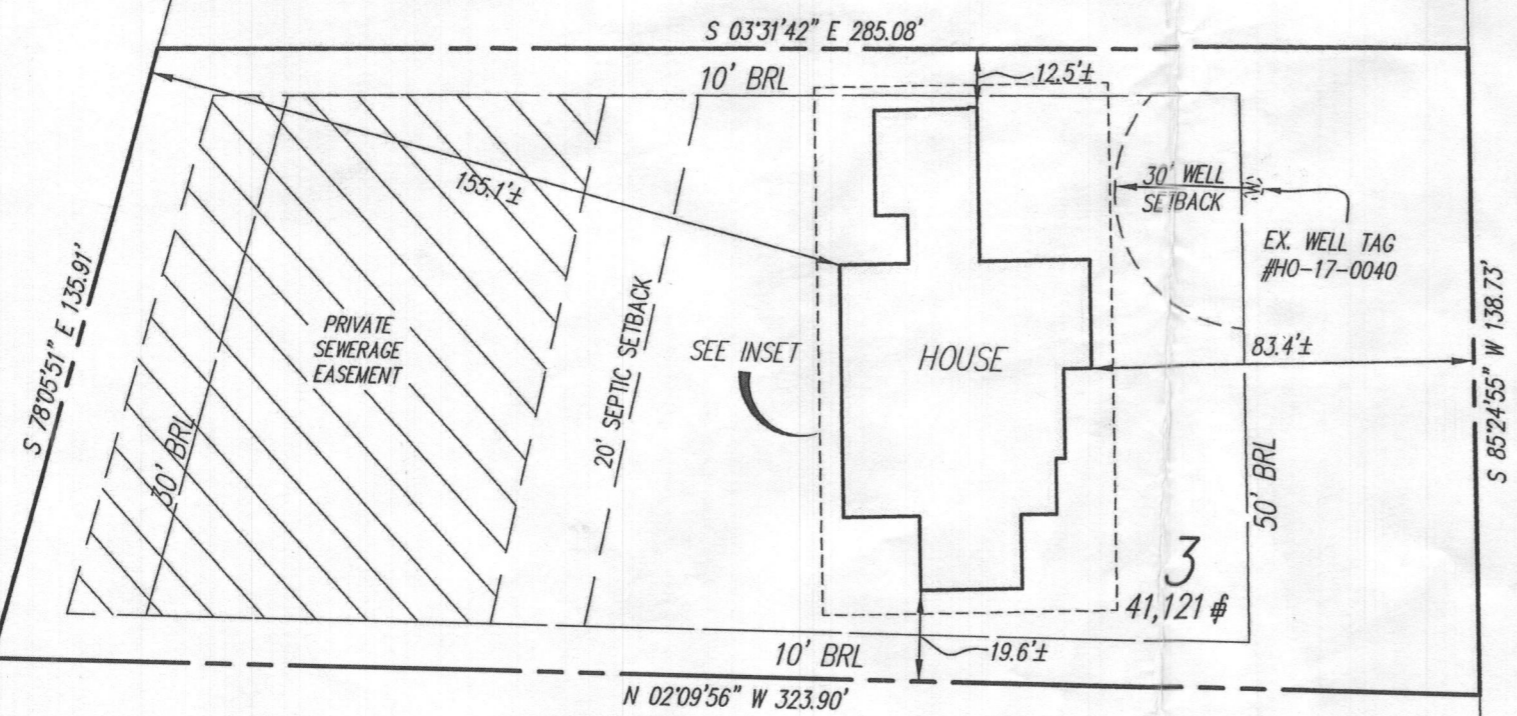
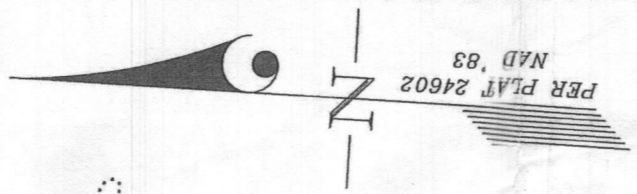
REMARKS: _____

COPY TO: _____

SIGNED: Kristy Pierce
Kristy Pierce

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

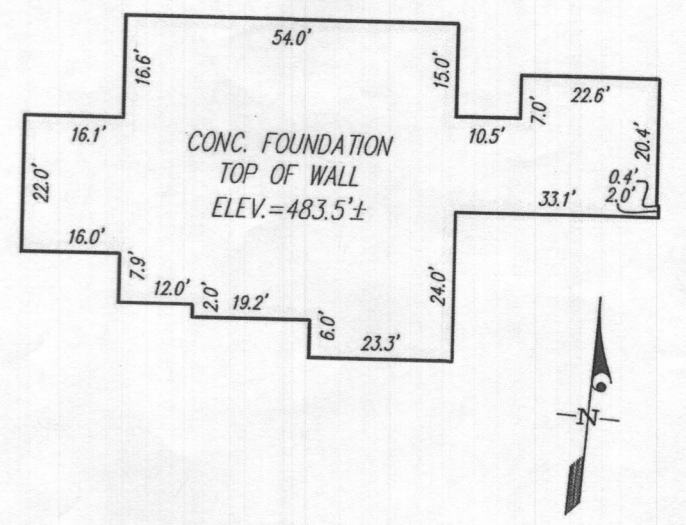
STATE OF MARYLAND
DEPARTMENT OF NATURAL RESOURCES
LIBER 000 FOLD 257



MILL CREEK COURT
(PUBLIC ACCESS STREET)

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"=30'



7/19/19
wall check
approved
(K...)

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] 7/5/2019
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

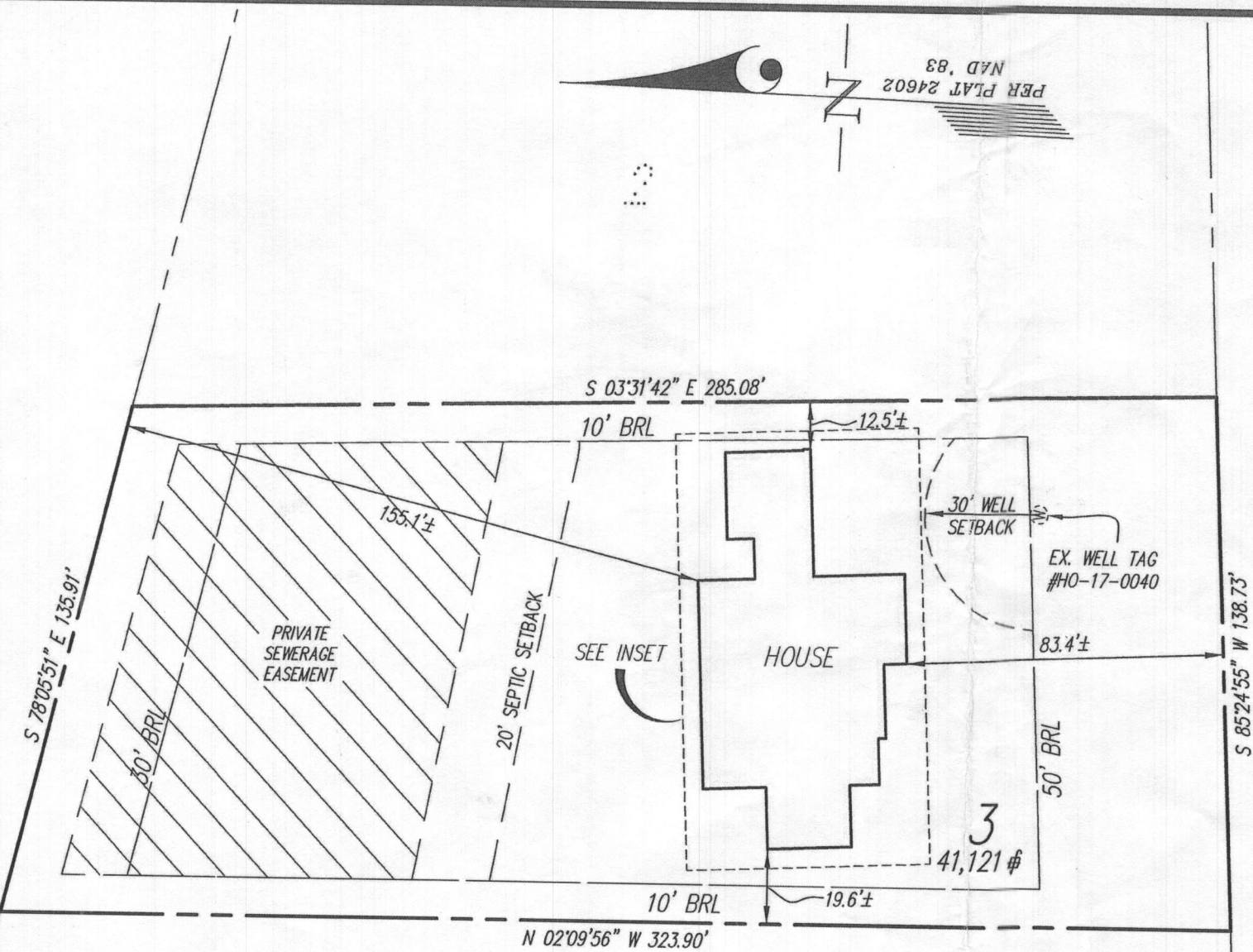
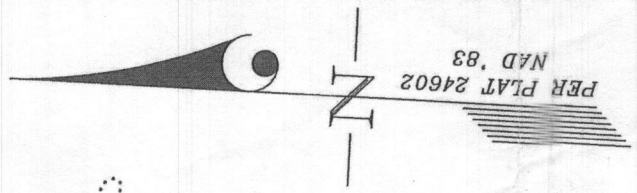
LOT 3
13816 MILL CREEK COURT

HOWARD COUNTY, MARYLAND	
DATE OF LATEST FIELD WORK: 7/2/2019	G.L.W. FILE No. 17071
REFERENCE: PLAT No.: 24602	SCALE: 1"=40'



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

STATE OF MARYLAND
DEPARTMENT OF NATURAL RESOURCES
LIBER 039 FOLIO 287



7/19/19
wallcheck
approved
K...

MILL CREEK COURT
(PUBLIC ACCESS STREET)

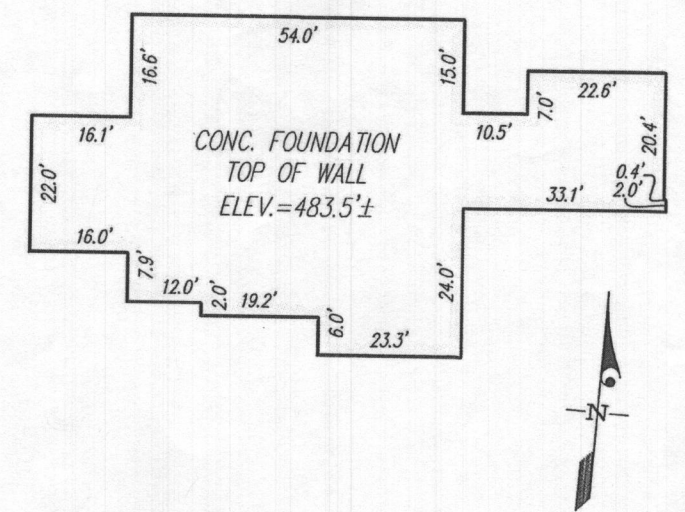
NOTES:
THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS-OF-WAY, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY 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"=30'



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] 7/5/2019
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 3
13816 MILL CREEK COURT

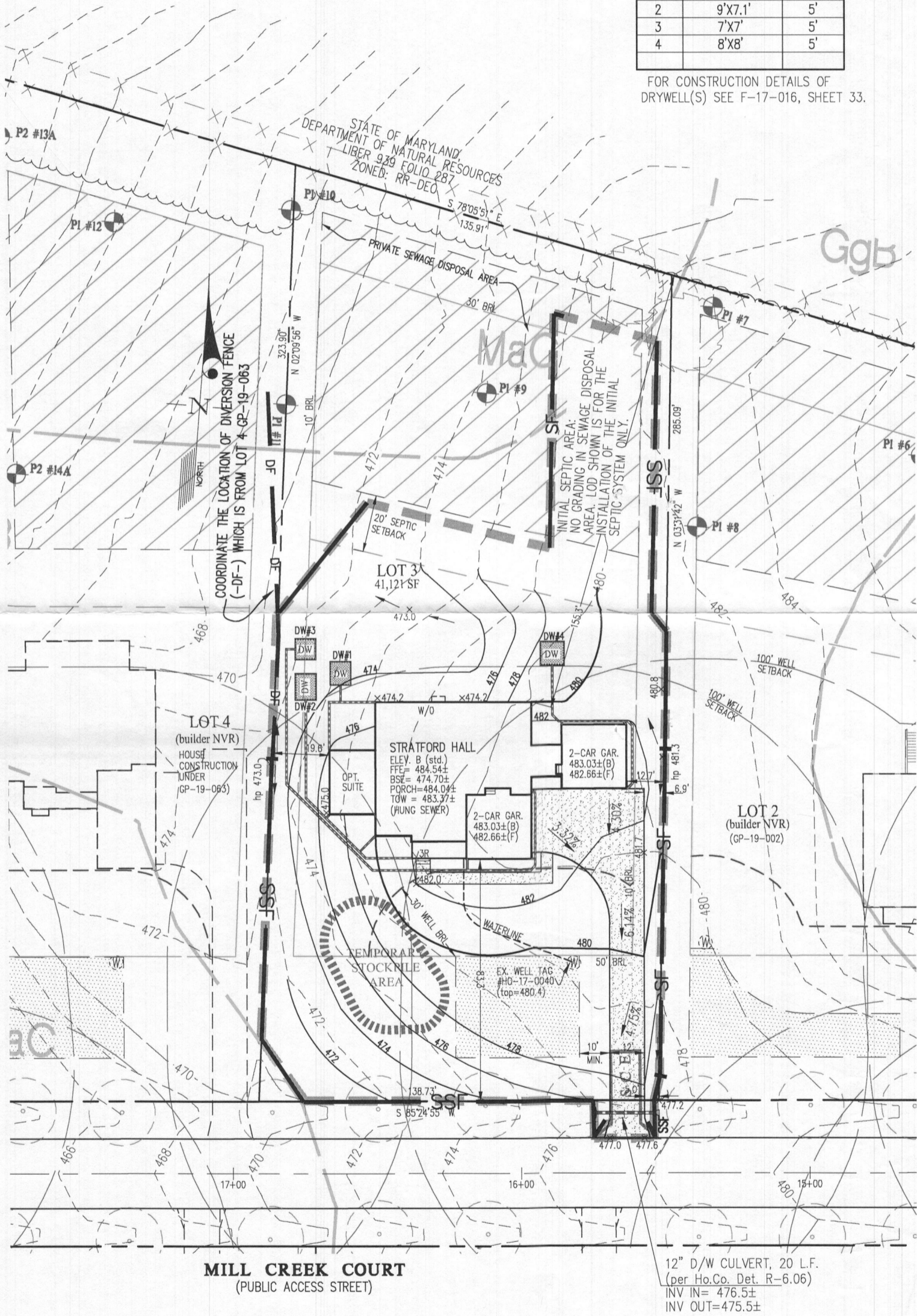
HOWARD COUNTY, MARYLAND	
DATE OF LATEST FIELD WORK: 7/2/2019	G.L.W. FILE No. 17071
REFERENCE: PLAT No.: 24602	SCALE: 1"=40'

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

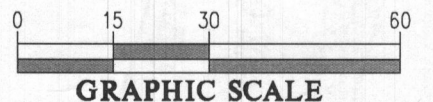
DRYWELL (M-5) SIZE CHART

DRYWELL No.	LENGTH x WIDTH	DEPTH OF STONE
1	7'x8'	5'
2	9'x7.1'	5'
3	7'x7'	5'
4	8'x8'	5'

FOR CONSTRUCTION DETAILS OF DRYWELL(S) SEE F-17-016, SHEET 33.



NOTE: THE FRONT DOOR FOR LOT 3 FACES SOUTH.



BUILDING PERMIT PLOT PLAN



DES.
DRN.
CHK.

PREPARED FOR :
NVR INC.
9720 PATUXENTS WOODS DRIVE
COLUMBIA, MD 21045
PH: 410-379-5956

CRAWFORD SUBDIVISION
LOT 3 (13816 MILL CREEK CT.)
Plat No. 24600-24607

G. L. W. No.	17071
ZONING	RR-DEO
TAX MAP/GRID	34&39-19&6
DATE	APRIL 2019
SCALE	1"=30'
SHEET	1 OF 1

