

Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

RECEIPT DATE: 11/19/14

ONSITE SEWAGE DISPOSAL SYSTEM

P 555323

INSTALLATION
APPROVAL DATE: 2/4/15 *KMD*

PERMIT CONSTRUCTION

A _____

PROPERTY ADDRESS: 13936 Rover Mill Road

SUBDIVISION: Rover Meadows

LOT: 13

TAX ID: (Bruce)

CONTRACTOR: Freedom Septic

EMAIL: 410-984-6863

CONTRACTOR ADDRESS: _____

PHONE: _____

PROPERTY OWNER: Brian Isaac

EMAIL: _____

OWNER ADDRESS: 1948 Liberty Road, Eldersburg, MD 21784

PHONE: 410-925-4888

BAT UNIT MODEL: Norweco Singlair TNTLP 1300 gal pump WE05HH BAT UNIT SIZE: 500GPD

PUMP CHAMBER CAPACITY (GALLONS): 1500

PUMP SIZE: _____

NUMBER OF BEDROOMS: 4

HOUSE SQ. FT. 3500

APPLICATION RATE: _____

DISTRIBUTION SYSTEM: GRAVITY FED ☒

LOW PRESSURE DOSED ☐

TRENCHES:	LINEAR FEET REQUIRED: <u>SEE BAT PLAN</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2.5</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:	Set septic tank per plan. Set distribution box per plan. Install 2 x 50' trenches on contour per plan. <u>2x50' Trenches</u>	

ISSUED BY: Robert Bricker

ISSUE DATE: 11/19/14

EXPIRATION DATE: 11/19/15

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 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

**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 As-Built Drawing On
Separate Sheet

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	2'-2.5'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		97'
ABSORPTION AREA		194'
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		NO
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Back River / Norwood
CAPACITY	1300 GAL
SEAM LOC	TOP
TANK LID DEPTH	30"-12"
BAFFLES	None
BAFFLE FILTER	N/A
MANHOLE LOC	FRONT, MID, BACK
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	11/12/14
PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	15"-6"
BAFFLES	None
BAFFLE FILTER	N/A
MANHOLE LOC	FRONT, BACK
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	10/28/2014

PRE-CONSTRUCTION:

12/2/2014 Tank locations staked. Install two 50' trenches on contour across the highest possible part of the easement. Trench locations painted. (PB)

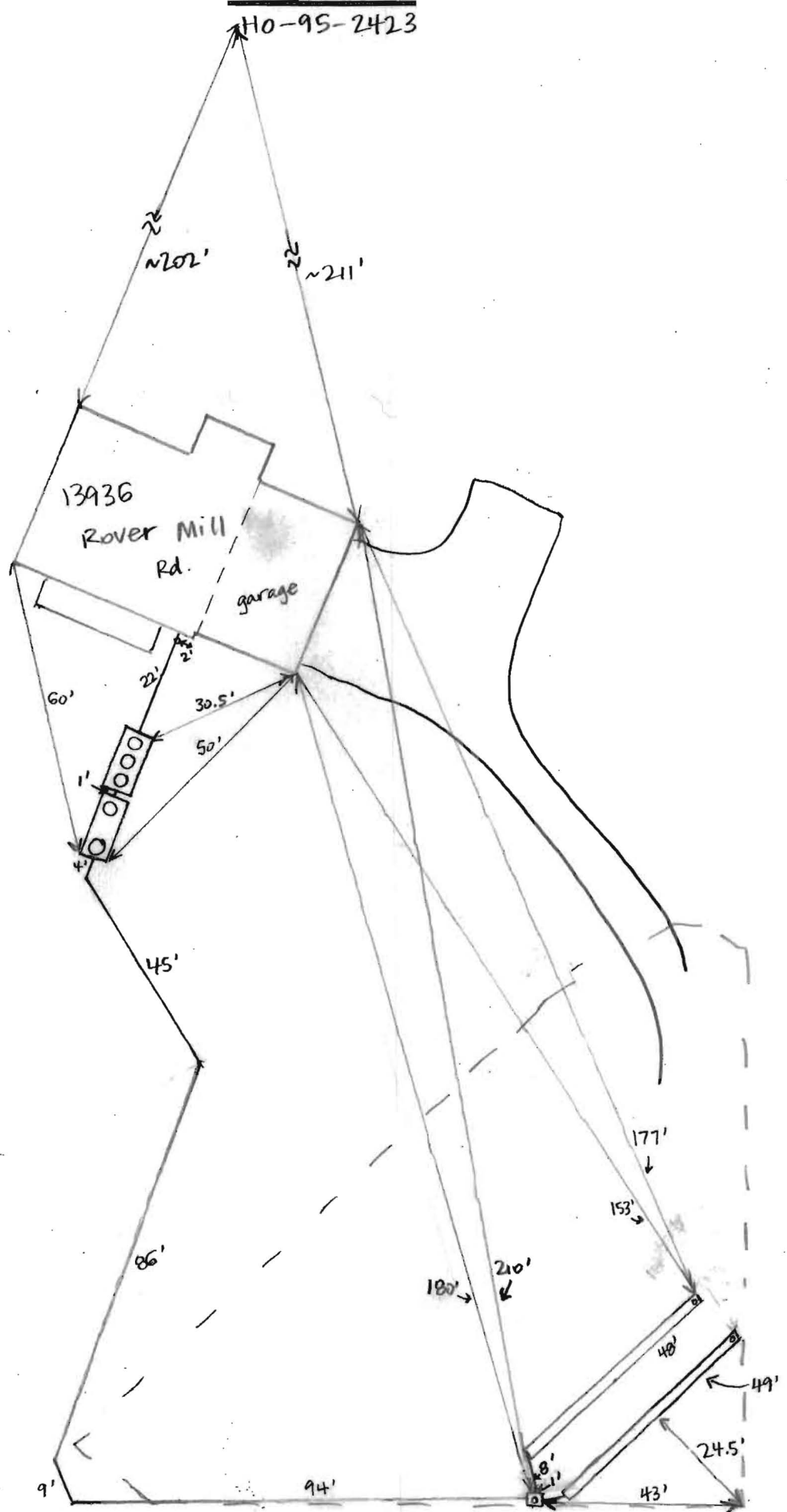
INSTALLATION: 12/11/2014 Tanks and trenches installed. House connection made and a step used for pipe to tank. Some rock encountered while digging trenches. Need BAT startup certification prior to final approval (SC/BB) 2/3/15 Met Bruce from Freedom Septic for pump + alarm test. Alarm sounds in basement when high water level is reached. Pump and alarm are on separate circuits. Alarm has battery backup in house. Pump pumps water to D-box when turned on. Need electrician to run pump wiring through conduit next to pump chamber. (SC) 2/4/15 Pump is now hard-wired through conduit. (SC)

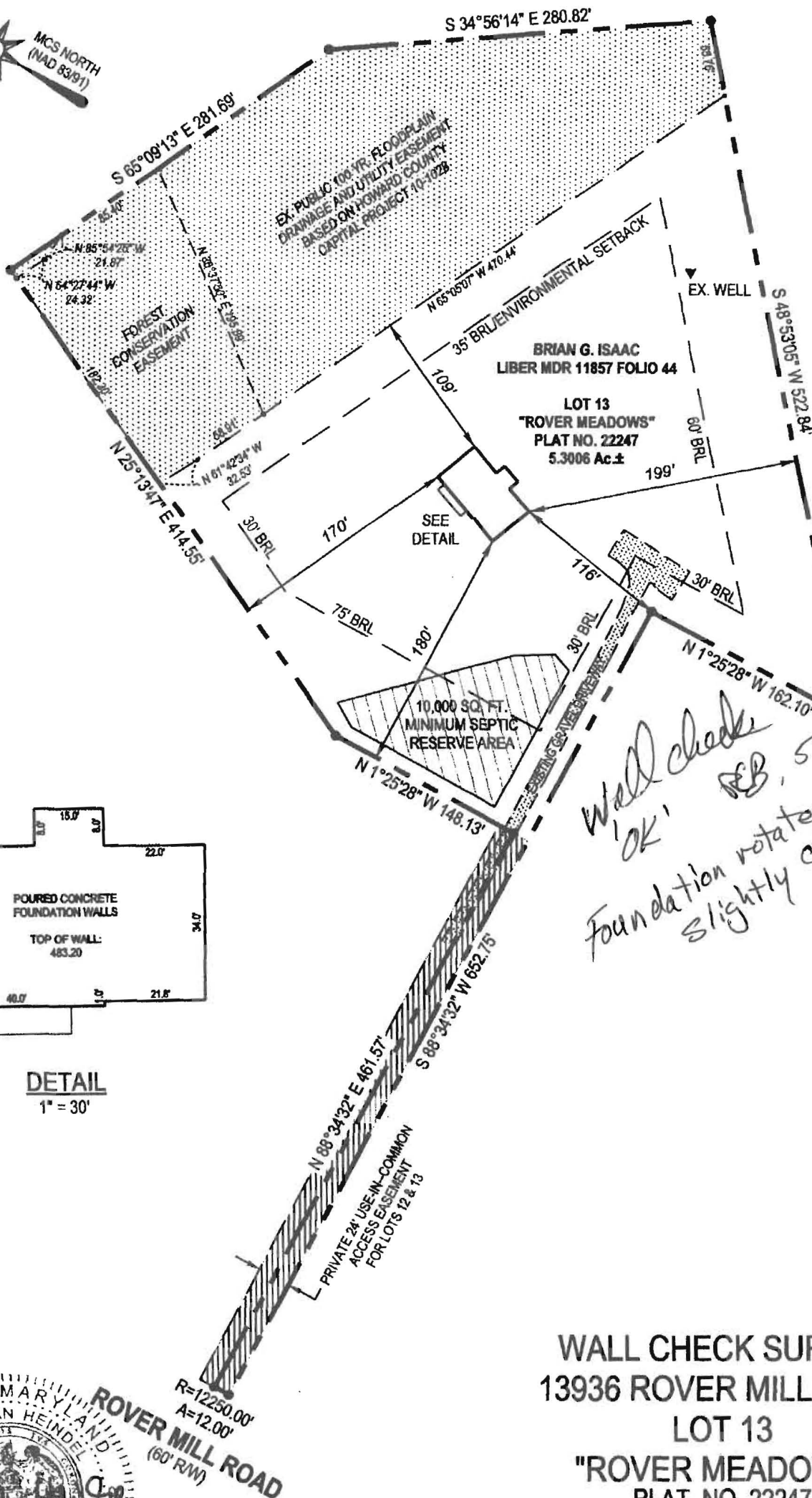
FINAL INSPECTOR

J. Collins

DATE OF APPROVAL

2/4/15





Wall check
'OK' RB, 5/14/14
Foundation rotated
slightly clockwise

WALL CHECK SURVEY
13936 ROVER MILL ROAD
LOT 13
"ROVER MEADOWS"
PLAT NO. 22247

3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Professional
Surveys

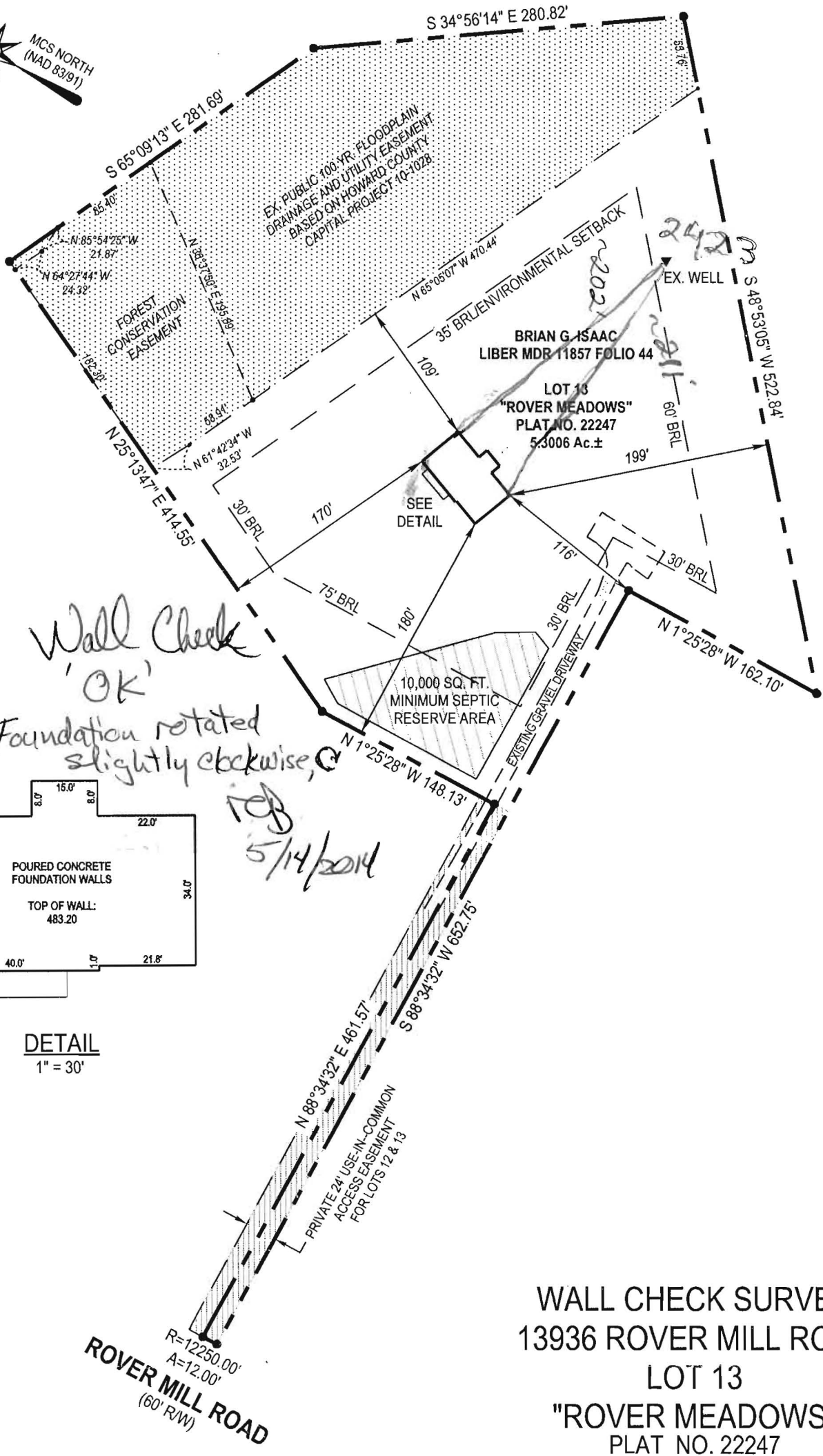
194 E. Main Street
2nd Floor
Westminster, MD 21157
Phone 410-751-8795
Fax 410-751-8796

DRAWING NAME: WALL CHECK		
SCALE: 1"= 100'	DATE: 04/16/14	DRAWN BY: KAH
JOB: 2013-163	CHECK BY: KAH	SHEET: 1/1

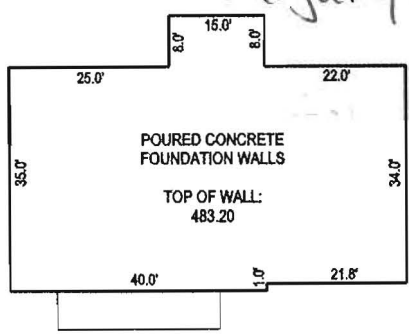


The licensee either personally prepared this drawing or was in responsible charge over its preparation and the surveying work reflected in it, all in compliance with requirements set forth in COMAR Regulation 10.13.06.12. I am a duly licensed Professional Land Surveyor under the Laws of the State of Maryland, license No. 21189, Expiration Date: 12/31/15.

The original document contains a purple seal and blue signature. If the seal or signature is not so colored, the drawing is an unauthorized copy and may contain unauthorized alterations. To report an illegal copy, please call: 410-751-8795.



Wall Check
'OK'
Foundation rotated
slightly clockwise,
5/14/2014



DETAIL
1" = 30'

WALL CHECK SURVEY
13936 ROVER MILL ROAD
LOT 13
"ROVER MEADOWS"
PLAT NO. 22247

3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND



194 E. Main Street
2nd Floor
Westminster, MD 21157
Phone 410-751-8795
Fax 410-751-8796

DRAWING NAME: WALL CHECK		
SCALE: 1"= 100'	DATE: 04/16/14	DRAWN BY: KAH
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License renews: 12/31/15

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478

480

INV. @ WALL
479.5

4" PVC

+ 481.5

HOUSE UNDER
CONSTRUCTION
FF = 484.4
BF = 474.5

474.2

476

478

GAR: 483.2

C TANK
476.7
78.67
478.33

482.8

Approved Septic System Plan
Howard County Health Department
LP tank
approved as illustrated
Bueker 11/14/14
B14003880

20'

480

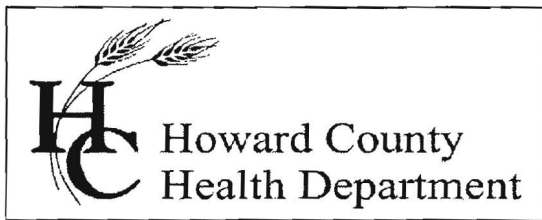
PROPOSED PROPANE
TANK LOCATION

SWM DISCONNECT

116'
480'

30' BRL

PROPOSED DRIVEWAY
481.7



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-6300 | Fax: 410-313-6303

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

Date: August 22, 2013

To: Brian Isaac, Applicant
bisaac13936@aol.com

RE: Best Available Technology (BAT) denitrification unit required at 13936 Rover Mill Road

Dear Mr. Isaac,

Please be advised that a best available technology (BAT) denitrification unit is required for treatment of wastewater discharge from the proposed dwelling at 13936 Rover Mill Road. Effluent from the BAT unit will be pumped to a distribution box and flow to the drainfield by gravity.

A BAT Site Plan is required. The BAT Site Plan must be submitted directly to the Health Department and approved prior to release of the septic system installation permit. This plan should be created by your engineer. I have enclosed a document listing the required content for a BAT Site Plan.

I am also attaching an Operation and Maintenance Agreement that the owner must complete, then sign and submit at our Bureau desk. Our Bureau Director will sign the agreement, and the owner will hand-carry the signed document first to the Howard County Finance Department and then to Howard County Land Records where the agreement will be recorded. We can release the septic system installation permit when we have a receipt by Land Records that indicates the agreement has been submitted for recordation.

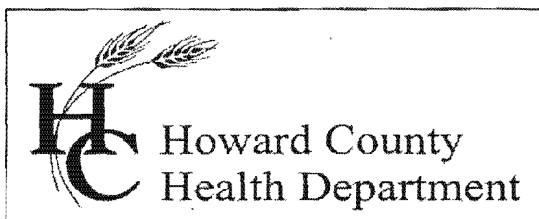
Should you have any questions concerning this matter, you may contact me by calling 410-313-2691.

Respectfully,

Robert Bricker, REHS/R.S.
Environmental Sanitarian, Well and Septic Program
Howard County Bureau of Environmental Health

Enclosures (2)

Copy: file



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045
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www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

April 30, 2014

TO: Keith Heindel, Professional Surveys, Inc.
Keith.Heindel@Verizon.net

FROM: Robert Bricker, CPSS, REHS/R.S., L.E.H.S.
Environmental Sanitarian II

RE: **13936 Rover Mill Road (Rover Meadows, Lot 13), BAT Site Plan**

A revision of the submitted plan is required. Following is a list of needed content correction, amendment or deletion.

1. Illustrate the approximate locations of trenches originally installed to serve residence on Lot 10. I am attaching the sketch of the original installation and a sketch of my interpretation. You may add a note that states the trenches , perc tests, etc. are represented 'per Health Department records'
2. Label 1987 perc tests '2' and '3'.
3. Add a Legend entry for 1987 perc tests. Clearly state in Legend which symbols represent the 1987 and 2010 perc tests, respectively. (There were not any failed perc tests in the 1987 record.)
4. Trenches are 108 feet total length.
 - a. Placing the Distribution Box between the two 54-ft trenches, locate Initial System trenches on contour at about the '490' or '492' elevation.
 - b. Then, place 1st Replacement System similarly with at least 10 feet of spacing from set of 'initial' trenches.
 - c. If you choose to illustrate the 2nd replacement, it will be 2 x75-ft trenches (2-ft wide) with at least 10 feet of spacing from 1st replacement system.
5. Move tanks uphill into the 'fill' area.
 - a. Plan tank bottoms to be set at about 2 feet beneath original grade.
 - b. The gravel bed under the tanks should be no deeper than about 2.5 feet beneath original grade.
6. Provide a DETAIL illustration for implementation of anti-flotation devices on either (i.e. both) tanks.
7. Recalculate Static Head, Friction Head, and Total Head.

Re-submit PDF for my review.

Back River Pre-Cast, LLC

PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singlair TNT 600 GPD Septic Tank installed at 13936 Rover Mill Rd., West Friendship, MD 21794 was installed on December 10, 2014 was installed according to the manufacture's specifications.

Installer: Daniel Farrow



MATTHEW GECKLE

Vice-President

