

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: 9/16/21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 570153
 APPROVAL DATE: 11/22/21 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 3415 Shady Lane
 SUBDIVISION: THE KNOWS A ESB LOT 1 LOT: 4 TAX ID: 04-347277
 CONTRACTOR: Whitworth Excavating EMAIL: _____
 CONTRACTOR ADDRESS: 12680 Clarksville Pike, Clarksville, MD 21029 PHONE: 410-531-5033
 PROPERTY OWNER: Kevin and Lynette Mitchell EMAIL: _____
 OWNER ADDRESS: 9110 Dunloggin Road, Ellicott City, MD 21042 PHONE: 443-280-0332
 SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: _____
 PUMP MODEL: Goulds WF054 PUMP SIZE 1/2 HP PUMP TANK CAPACITY: 1500

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>188</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>6</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</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:	<u>2 TRENCHES AT 94 FEET</u>	

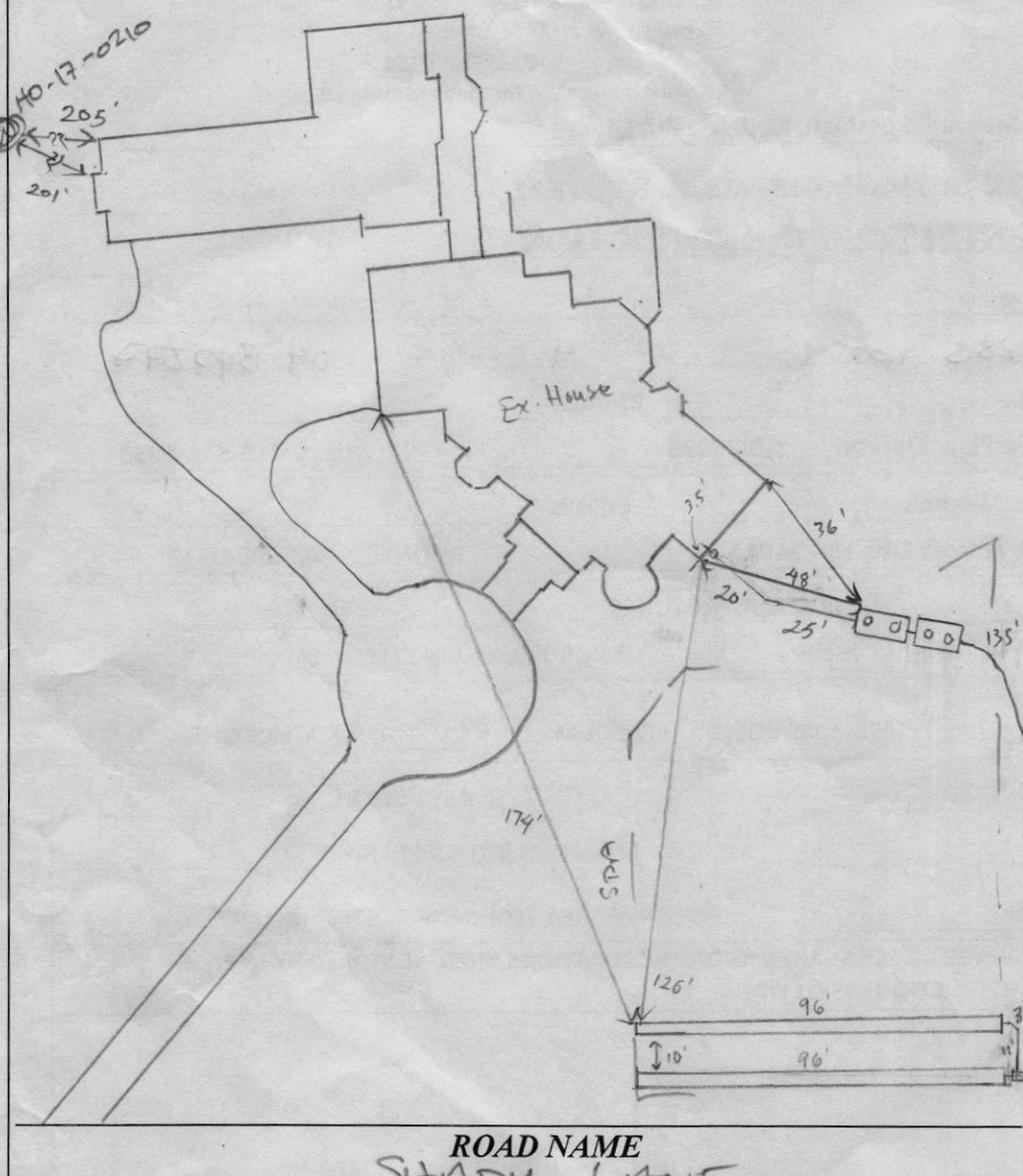
ISSUED BY: Hank Oswald ISSUE DATE: 9-16-21 EXPIRATION DATE: 9-16-22

- 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 2000.3764
- 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

~1/150



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		192'
ABSORPTION AREA		576 sq ft + sidewalk
DISTRIBUTION BOX LEVEL		NA
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	top
TANK LID DEPTH	3'
BAFFLES	inlet + outlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	9-13-21
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	top
TANK LID DEPTH	3'
BAFFLES	inlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	-
DATE ON LID	9-17-21

ROAD NAME
SHADY LANE

PRE-CONSTRUCTION:

09/22/2021 Laid out 2x 97' TR. ONLY NEEDED 2x 94'. MET w/ BUILDER AND OWNER, TO RELOCATE TANKS. (P)

INSTALLATION: 9/29/21 2x 96' trenches under construction. (S) 09/29/2021 (PM)

C/O INSTALL Clear out at DISTAL ENDS OF TRENCH; PER F THROUGH AGGREGATE SOLID ABOVE; DIG UP WOVEN FILTER FABRIC AND INSTALL

SPVN: (P) 9/30/21 Obs ports installed, correct filter fabric used D-box set and FM installed (S)

10/25/21 Tanks set and SHC and SH constructed. Connected to FM. (S)

11/22/21 Alarm and pump obs to be on separate circuits. Alarm located in basement obs. to work. Septic pump (with on float and off float) obs to work, water obs to flow in d-box. (S)

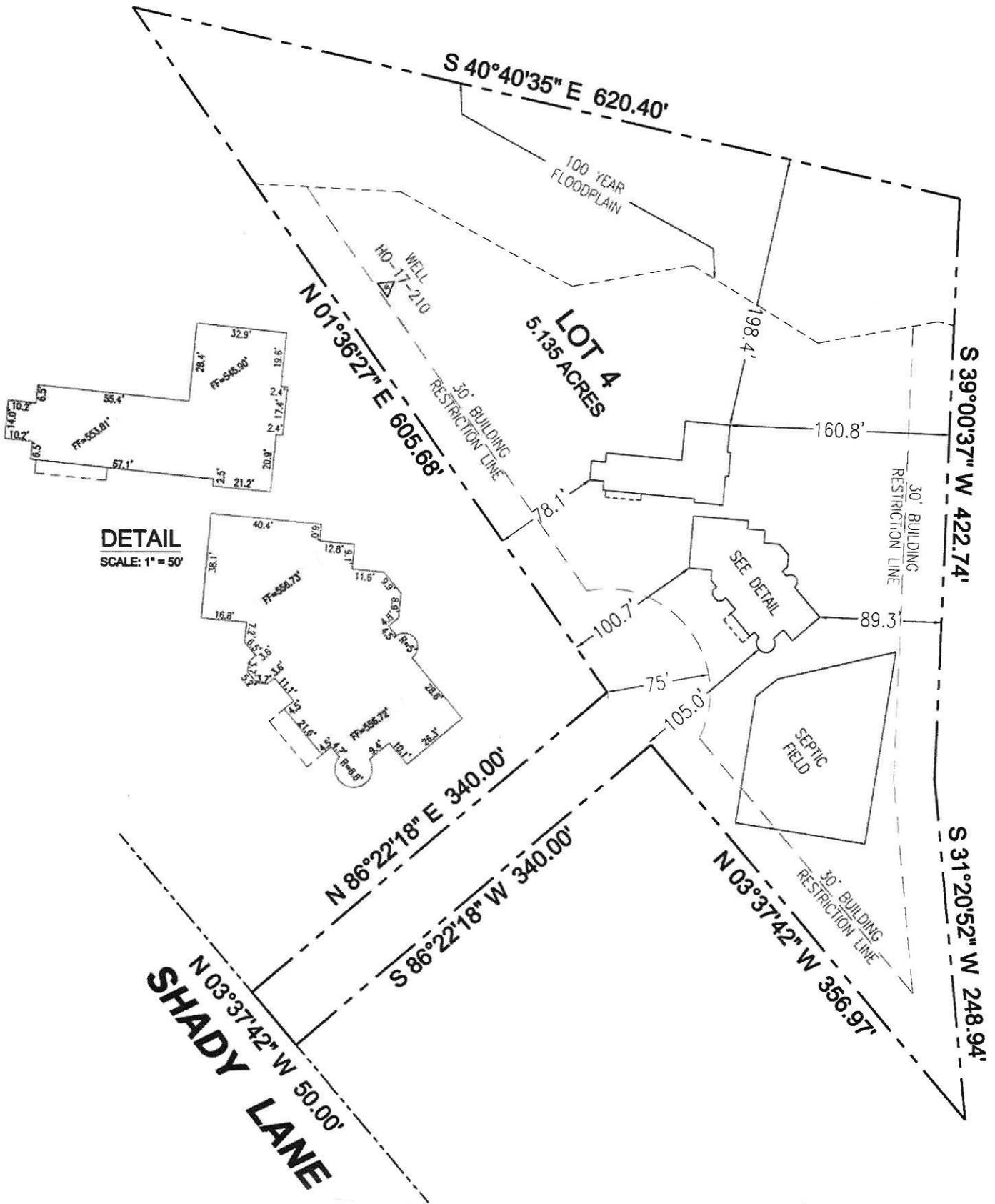
FINAL INSPECTOR

Juan Thomas

DATE OF APPROVAL

11/22/21

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THAT THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN. THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.

[Signature] 05/27/2020
 ERICK R. QUINTANILLA DATE
 PROFESSIONAL LAND SURVEYOR
 LICENSE NO. 21408
 EXP. DATE: JUNE 15, 2021



SCALE 1" = 100'	DATE 5/4/2020	VOGEL ENGINEERING TIMMONS GROUP 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 P: 410.461.7666 F: 410.461.8961 www.timmons.com	WALL CHECK DRAWING
DRAWN BY J.A.P.	CHECKED BY E.R.Q.		3415 SHADY LANE LOT 4
PLAT NUMBER 7734	JOB NUMBER 17-17		THE KNOLLS PLAT NO. 7734 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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

MEMORANDUM

TO: Robert H. Vogel Engineering
8407 Main Street
Ellicott City, MD 21043

FROM: Hank Oswald, L.E.H.S.
Well & Septic Program

RE: Mitchell Residence
3415 Shady Lane

Date: May 16, 2018

The following comments pertain to the review of the OSDS Plan for 3415 Shady Lane:

- 1.) Add existing well to plan along with well tag number HO-17-0210
- 2.) Add well field location note to plan.
- 3.) Match pump tank detail to proposed tank manufacturer specs (i.e. man hole riser at center vs. end of tank)
- 4.) Add float positions to tank detail
- 5.) Abandon existing well near SDA
- 6.) Plot TDH = 24 correctly on pump curve

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, May 16, 2018 7:59 AM
To: Rob Vogel (rvogel@vogeleng.com); Rob Vogel (Rob.Vogel@timmons.com)
Subject: OSDS Plan_Mitchell Residence_3415 Shady Lane
Attachments: OSDS Memo__Vogle_2018.pdf

Hello Rob:

Attached, please find plan review comments to the OSDS Plan for 3415 Shady Lane.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

Oswald, Hank

From: Jeremiah Reynolds <Jeremiah.Reynolds@timmons.com>
Sent: Wednesday, June 06, 2018 8:28 AM
To: Oswald, Hank
Subject: RE: OSDS Plan_3415 Shady Lane_

Hank,

I agree. Sorry about that. If you could just change it by hand there, that would be great. I really appreciate it. I will change it in AutoCAD here.

Thank you sir!

Jeremiah Reynolds
Designer

VOGEL ENGINEERING + TIMMONS GROUP | www.timmons.com
3300 North Ridge Road, Suite 110 | Ellicott City, MD 21043
Office: 410.461.7666 | Fax: 410.461.8961
<https://www.linkedin.com/company/timmons-group>
Your Vision Achieved Through Ours

To send me files greater than 20MB [click here](#).

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Wednesday, June 06, 2018 8:08 AM
To: Jeremiah Reynolds <Jeremiah.Reynolds@timmons.com>
Subject: OSDS Plan_3415 Shady Lane_

Hello Jeremiah:

Good morning. The point on the graph exceeds the pump curve for WE03M. WE05H should be a better fit. What do you think? I can redline it.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

Will Check emailed to Jeff Williams
+ Kevin Wolf 5-28-20

Please email me a copy of the permit
specifications khatfield@hatfieldsequipment.com

Net Septic

RECEIVED
MAY 28 2020
HOWARD COUNTY HEALTH DEPT
COMMUNITY HYGIENE PROGRAM

