

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: 9/12/17 **ONSITE SEWAGE DISPOSAL SYSTEM** P 561521
 APPROVAL DATE: 10/4/17 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 12024 Hall Shop Road
 SUBDIVISION: Hall Shop Manor II LOT: 3 TAX ID: _____
 CONTRACTOR: Hatfield's Equipment EMAIL: ken@hatfieldsequiment.com
 CONTRACTOR ADDRESS: P.O. Box 519 Annapolis Junction, MD 20701 PHONE: 301-490-4289
 PROPERTY OWNER: KD Builders, LLC EMAIL: _____
 OWNER ADDRESS: 6420 Autumn Sky Way, Columbia, MD 21044 PHONE: 443-324-4732
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: Babylon Vault
 PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>156.25</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</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:		

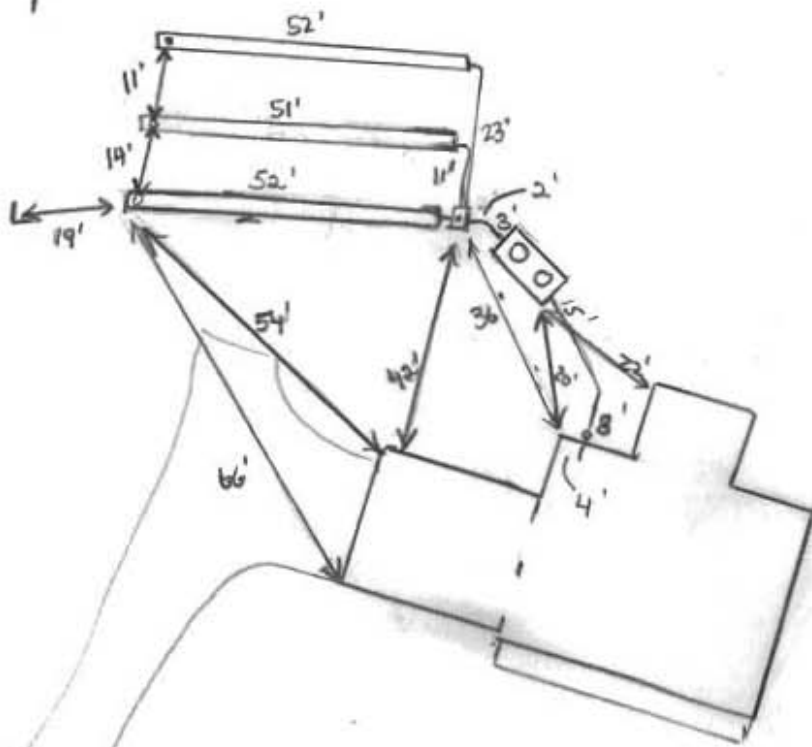
ISSUED BY: Jeff Williams ISSUE DATE: 9/12/17 EXPIRATION DATE: 9/12/18

- 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 _____
- 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.**

1" = 30'

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		155'
ABSORPTION AREA		465' + SIDEWALK
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	Yes
BAFFLE FILTER	
MANHOLE LOC	Front/Rear
6" PORT LOC	none
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	8-29-17
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

ROAD NAME
Hall Shop Rd.

PRE-CONSTRUCTION:

9/27/17 SDA staked. Shot elevations for trenches. OK to install system as proposed on plan. Sewer out location near proposed on plan, under footer. Call for inspection of system pass

INSTALLATION: 10/3 ^{pass} Arrived onsite tub and box set per plan. Top trench complete starting on middle trench. Stone was questionable. Tub contractor to make note w/ photo that it was very dirty pass
10/4/17 Trenches complete. T2 left open at ends. T3 left open for inspection. 3' wide, 3' to stone. Levelled speed levelers in D-box. Pipes into + out of D-box sealed w/ hydraulic cement. SC

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 10/4/17

12024 Hall
Shoop
RD
Clerk of the Circuit Court for
Howard County
Land Record / Licensing

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

=====
LR - Agreement Recording Fee
1x 20.00 20.00
Grantor/Grantee Name: k d builders llc
Reference/Control #: 52

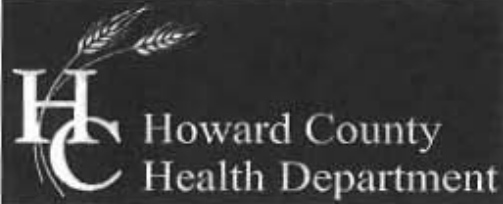
LR - Agreement Surcharge
1x 40.00 40.00

=====
SubTotal: 60.00
Total: 60.00

=====
REV-Check-BOA 60.00
Number : 638

05/13/2016 11:36 CC13-YN
#6136904 /494/109
***** DUPLICATE #001 *****

05/13/2016 11:37 CC13-YW
Thank you for visiting us today



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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

**OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 6th day of May, among K.D. Builders LLC, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 12024 Hall Shop Rd., Clarksville, Md. 21029, in the 5th Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 16480 Folio 383.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is Norweco Singulair TNTLP-500.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Bud Roper 4/20/2016
Howard County Health Department

Owner #1 Signature Date

Owner#2 Signature Date

Owner #1 Print Name

Owner #2 Print Name

[Signature]
Buyer #1 Signature Date

1 Carrie Goracke
Buyer #2 Signature Date

MARC GORACKE
Buyer #1 Print Name

CARRIE GORACKE
Buyer #2 Print Name

HOWARD COUNTY CIRCUIT COURT (Land Records) WAR 16803, p. 0241, MSA_CE53_16794. Date available 05/06/2016. Printed 05/10/2016.

Freemon, Robert

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Thursday, June 01, 2017 11:36 AM
To: Freemon, Robert
Subject: RE: 12024 Hall Shop

*Sent Email about
Directional Boring*

Robert,

Tony forwarded me your email, since I'm involved with this project more than he is. The BAT plan has been approved for quite a long time now, and the builder (Columbia Builders Inc.) is wanting to go ahead and get their building permit released. After that occurs, they will have a homebuyer that they will then process a revised building permit for, and at that time we will provide a new septic installation plan for review. Unless that creates a problem for any reason, can you approve the permit as is (even though it's a BAT system on the approved plan)? Then we revised the plot plan and the builder goes in for a revised building permit, the septic plan will be revised to a standard septic tank system.

Please let me know if that is OK.
I'll pass along the well testing information to the builder.

Thank You,
Dave.



From: Tony Fertitta
Sent: Thursday, June 01, 2017 11:06 AM
To: Dave Harward, III
Subject: FW: 12024 Hall Shop

From: Freemon, Robert [<mailto:rfreemon@howardcountymd.gov>]
Sent: Thursday, June 01, 2017 11:03 AM
To: RTASH@ColumbiaBuildersinc.com
Cc: Tony Fertitta
Subject: 12024 Hall Shop

Hi,
I have reviewed the building permit B17001832 and here are my comments. On November 24, 2016 COMAR regulations were changed to no longer require a BAT unit for new construction in the non-critical area of the Chesapeake Bay. If you would like to change the BAT plan to a regular septic system we will need a written request signed by the homeowner and a revised septic plan submitted to the Health Department. If the engineer wishes to redline the existing plan they

will need to come to the Health Dept. to do so. If the decision is to keep the existing BAT plan I will need a confirmation email. Additionally it is strongly recommended the well water be tested for radium in the near future. Radium test results can take as long as a month and it will be required prior to Interim Certificate of potability (ICOP). If you have any questions let me know.

Robert Freemon

Howard County Health Department

8930 Stanford Blvd. Columbia, MD 21045

Well and Septic Program

Bureau of Environmental Health

Phone: 410-313-6357

Email: rfreemon@howardcountymd.gov

<https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

Freemon, Robert

From: Freemon, Robert
Sent: Thursday, June 01, 2017 11:03 AM
To: 'RTASH@ColumbiaBuildersinc.com'
Cc: 'Tony Fertitta'
Subject: 12024 Hall Shop
Attachments: COMAR BAT revision memo.pdf; OSDS design plan requirements 11.21.16.pdf

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Phone: 410-313-6357

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Freemon, Robert

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Tuesday, June 06, 2017 12:52 PM
To: Freemon, Robert
Subject: RE: 12024 Hall Shop

Robert,

I confirmed with the client (Columbia Builders), that they are going to directional bore the well water line under the wetland area.

Thanks for your follow up on this. If you could please approve the building permit, our client would appreciate it.

Thank You,

Dave.



From: Freemon, Robert [<mailto:rfeemon@howardcountymd.gov>]
Sent: Friday, June 02, 2017 12:02 PM
To: Dave Harward, III
Subject: RE: 12024 Hall Shop

Hey Dave,

Yes we can approve the building permit as is with the BAT Unit. There should not be a problem with revising the septic plan later to a regular septic tank. I would like to ask however if they are planning on performing directional boring under the wetland area for the well line? If they are I would like to redline the plot plan to show this and add a note stating, "The well line will be directionally bored underneath of the wetlands". If not they will have to go to MDE and get a Wetlands Crossing Permit.

Robert Freemon
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
Well and Septic Program
Bureau of Environmental Health
Phone: 410-313-6357
Email: rfeemon@howardcountymd.gov
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Robert Freemon

*Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045*

Well and Septic Program

Bureau of Environmental Health

Phone: 410-313-6357

Email: rfreemon@howardcountymd.gov

<https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

Transmittal

Via: Fax Mail Messenger E-Mail To Be Picked Up
 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: Sharhonda Fax: Phone: 410-313-2640
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From: Dave Harward	CC:
---------------------------	-----

Re: Hall Shop Manor II, Lot 3	W.O.# 05037-3001
Date: Oct. 20, 2015	Pages: 0 Page(s) Including this cover

We are forwarding: <input checked="" type="checkbox"/> Prints <input type="checkbox"/> Copy of Letter <input type="checkbox"/> Specifications <input type="checkbox"/> Shop drawings <input type="checkbox"/> Other
<input type="checkbox"/> Urgent <input type="checkbox"/> For your use <input type="checkbox"/> As requested <input checked="" type="checkbox"/> For Review & Comment

Remarks:

Re: Hall Shop Manor, Lot 3, 12024 Hall Shop Road.

Provide here are two prints of the BAT plan for Lot 3, Hall Shop Manor II. The address was corrected recently by the County. It was incorrectly shown on SDAT as 15024 Hall Shop Rd.

It is now 12024 Hall Shop Road. Please have any review comments emailed to my attention.

Thank You,

Dave Harward

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution (except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

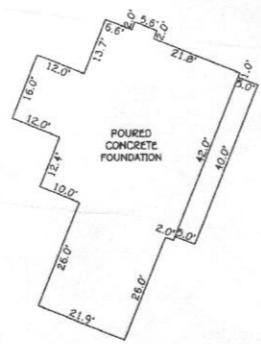
GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SHOWING THE HOUSE LOCATION SURVEY APPROVAL FROM INSURANCE AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE "X" ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24027001450 EFFECTIVE DATE 11-08-2013.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1" (±).
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELLS SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-0189) HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2018.
- 7) BUILDING PERMIT NUMBER: B-17001832

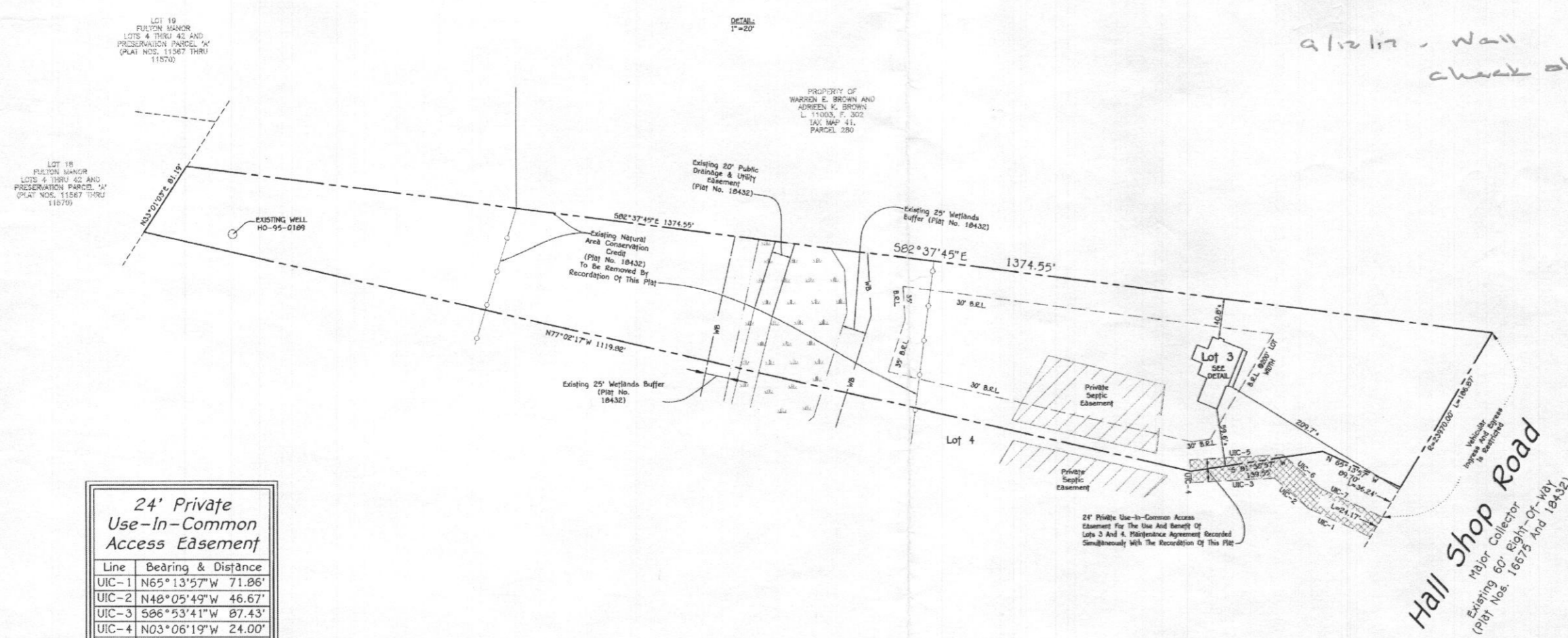


Legend

- Existing 20' Public Drainage & Utility Easement
- Existing Outline Of Wetland Area (Plat No. 18432)
- Existing Wetland Location (Plat No. 18432)
- Existing Wetland Buffer (Plat No. 18432)
- Existing Private Natural Area Conservation Credit (Removed By Recordation Of This Plat)
- 24' Private Use-In-Common Access Easement For The Use And Benefit Of Lot 3 And 4



*g/lz/lz - wall
check okay.
-U.O.*



Line	Bearing & Distance
UIC-1	N65°13'57"W 71.86'
UIC-2	N48°05'49"W 46.67'
UIC-3	S86°53'41"W 87.43'
UIC-4	N03°06'19"W 24.00'
UIC-5	N86°53'41"E 97.37'
UIC-6	S48°05'49"E 53.00'
UIC-7	S65°13'57"E 71.08'

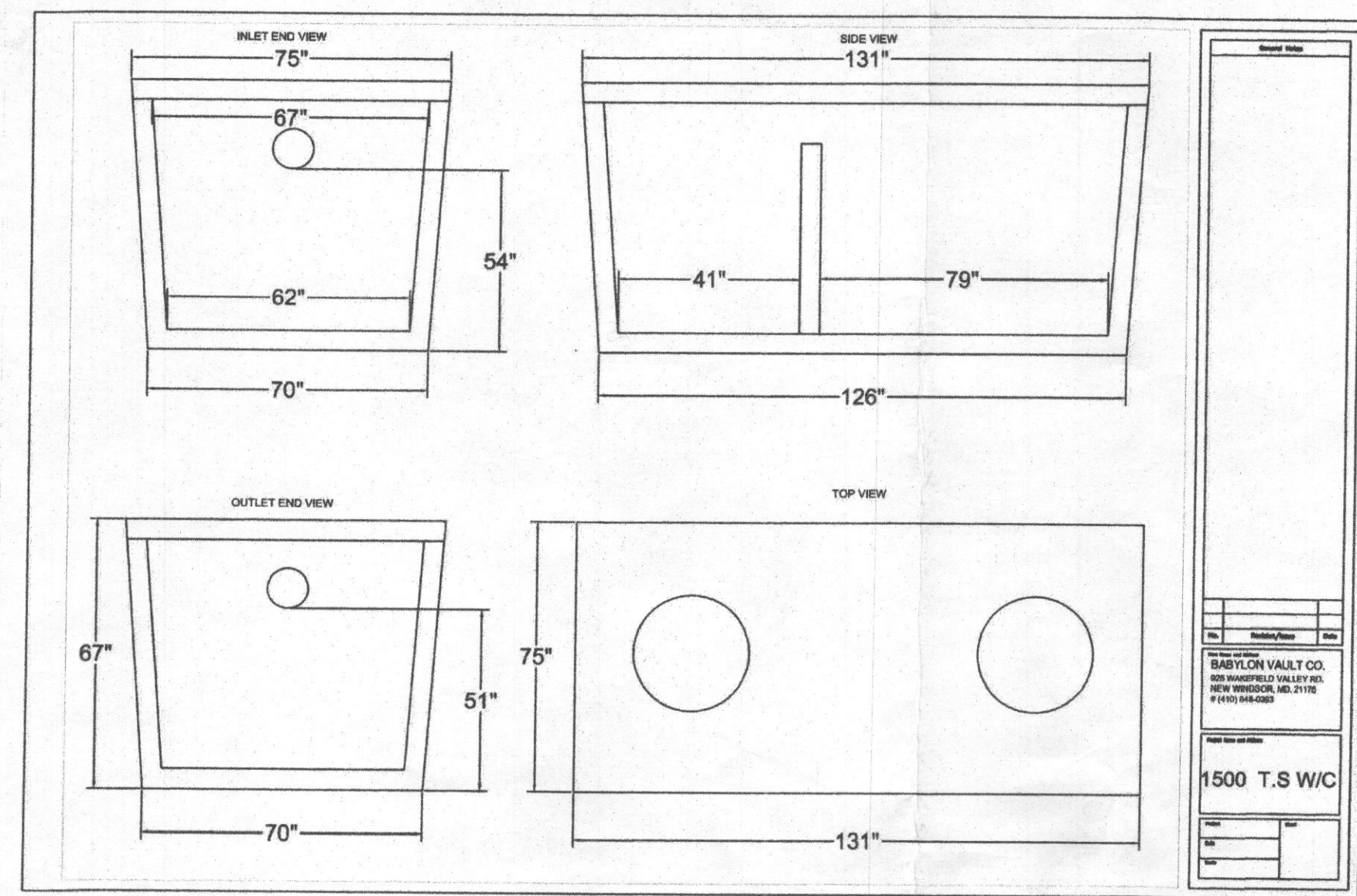
#12024 HALL SHOP ROAD
B.R.L. = BUILDING RESTRICTION LINE.
TOP OF FOUNDATION ELEVATION = 497.8+



David J. Hill 8/19/17
PROFESSIONAL LAND SURVEYOR DATE
REG. # 339

HOUSE LOCATION DRAWING
FOUNDATION LOCATION: 8/18/17
FINAL LOCATION:
BOUNDARY SURVEY:
SCALE: 1"=50'
DATE: 8/18/17
DRAWN BY: JSP
CHECKED BY: JHC
PROJECT No. 35637-3003

LOT 3
HALL SHOP MANOR II
LOTS 3 AND 4
PLAT NOS. 23126
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



TRENCH DATA:
 TRENCH 1:
 EX. GROUND ABOVE = 409.0
 INV. IN = 405.0
 BOTTOM TRENCH = 401.0
 TRENCH 2:
 EX. GROUND ABOVE = 407.0
 INV. IN = 403.0
 BOTTOM TRENCH = 479.0
 REPLACEMENT TRENCH 1:
 EX. GROUND ABOVE = 405.9
 INV. IN = 401.9
 BOTTOM OF TRENCH = 477.9

SEPTIC ELEVATIONS:
 FFE 490.19
 BSE 409.00
 INV. OUT OF HOUSE = 406.11
 EX. GROUND AT SEPTIC TANK = 409.7
 TOP OF SEPTIC TANK = 406.61
 INV. INTO SEPTIC TANK = 405.61
 INV. OUT OF SEPTIC TANK = 405.36
 EX. GROUND AT DISTRIBUTION BOX = 409.0
 INV. INTO DISTRIBUTION BOX = 405.1

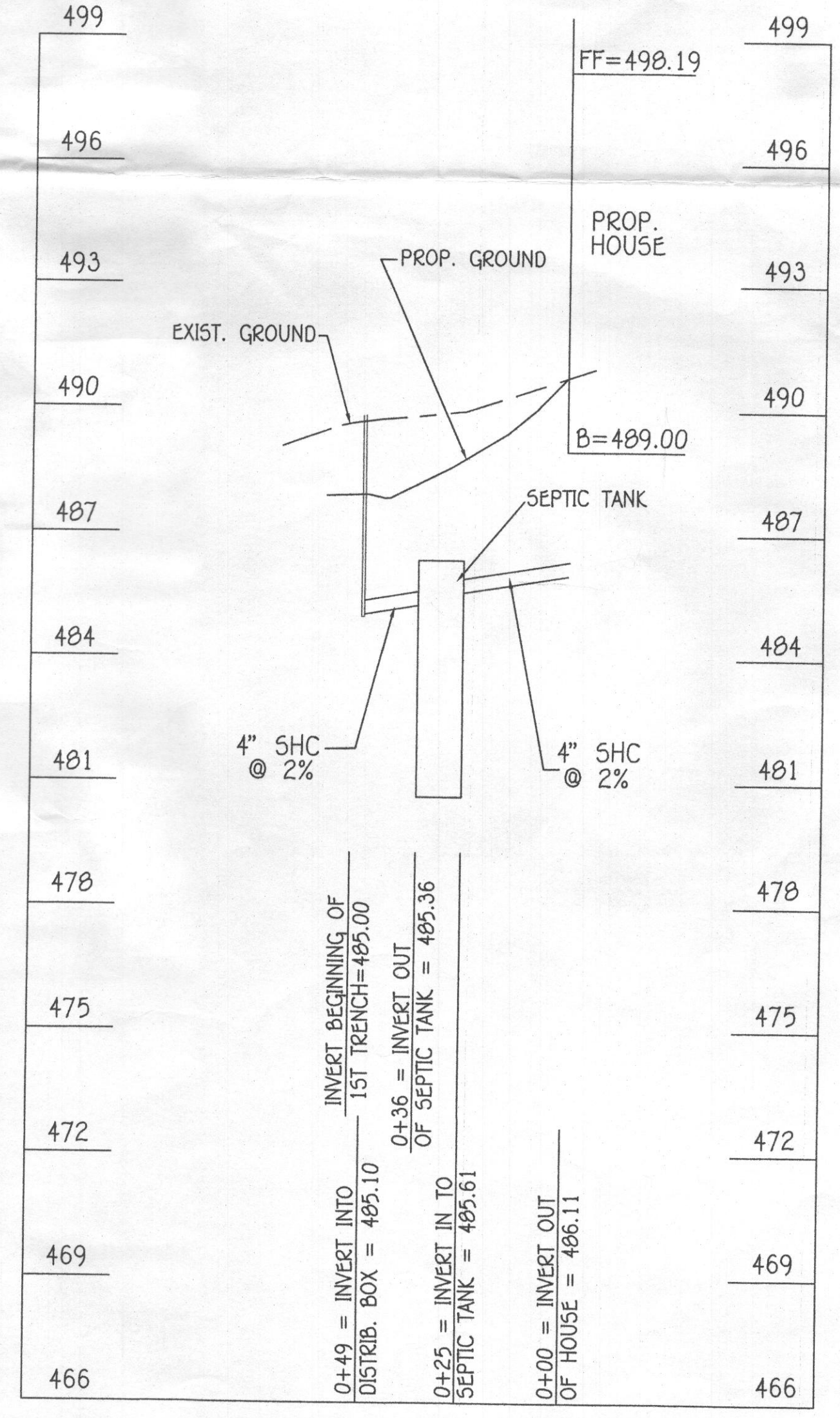
SEWAGE DISPOSAL SYSTEM DATA- INITIAL SYSTEM
 DESIGN FOR 5 BEDROOMS (PERMIT IS FOR 4 BEDROOMS)
 LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
 APPLICATION RATE = 0.8
 EFFECTIVE SIDEWALL BEGINS AT 5 FEET
 TRENCH DEPTH = 0 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 3 FEET
 SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH =
 $(W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.500$
 TRENCH LENGTH = $937.5/3 = 312.5$ 312.5 SF x 0.500 = 156.25 FEET
 USE 3 TRENCHES AT 52.1 L.F.
 TRENCH SPACING = $20+W = ((2x3) + 3) = 9$ USE 10'

SEWAGE DISPOSAL SYSTEM DATA- 1ST REPLACEMENT SYSTEM
 DESIGN FOR 5 BEDROOMS (PERMIT IS FOR 4 BEDROOMS)
 LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
 APPLICATION RATE = 0.6
 EFFECTIVE SIDEWALL BEGINS AT 5 FEET
 TRENCH DEPTH = 0 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 3 FEET
 SF OF DRAINFIELD = 750 GPD / 0.6 = 1250 SF
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH =
 $(W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.500$
 TRENCH LENGTH = $1250/3 = 416.67$ 416.67 SF x 0.500 = 208.33 FEET
 USE 3 TRENCHES AT 69.5 L.F.
 TRENCH SPACING = $20+W = ((2x3) + 3) = 9$ USE 10'

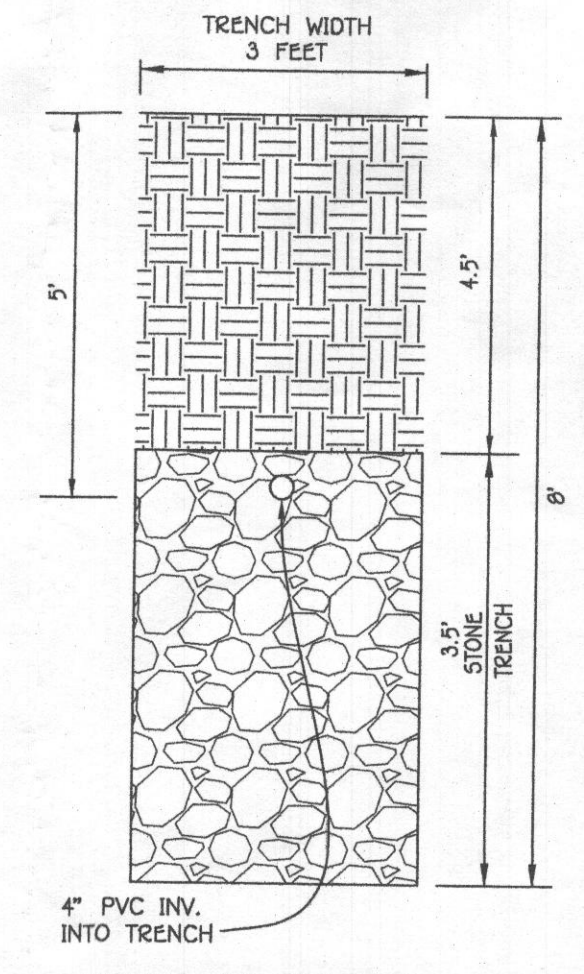
NOTE:
 THE PROPOSED HOUSE IS TO HAVE 4 BEDROOMS, HOWEVER
 SEPTIC SYSTEM HAS BEEN DESIGNED FOR 5 BEDROOMS.

WELL CERTIFICATION:
 THE EXISTING WELL, TAG NO. HO-95-0109, HAS BEEN
 FIELD LOCATED AND IS ACCURATELY SHOWN.

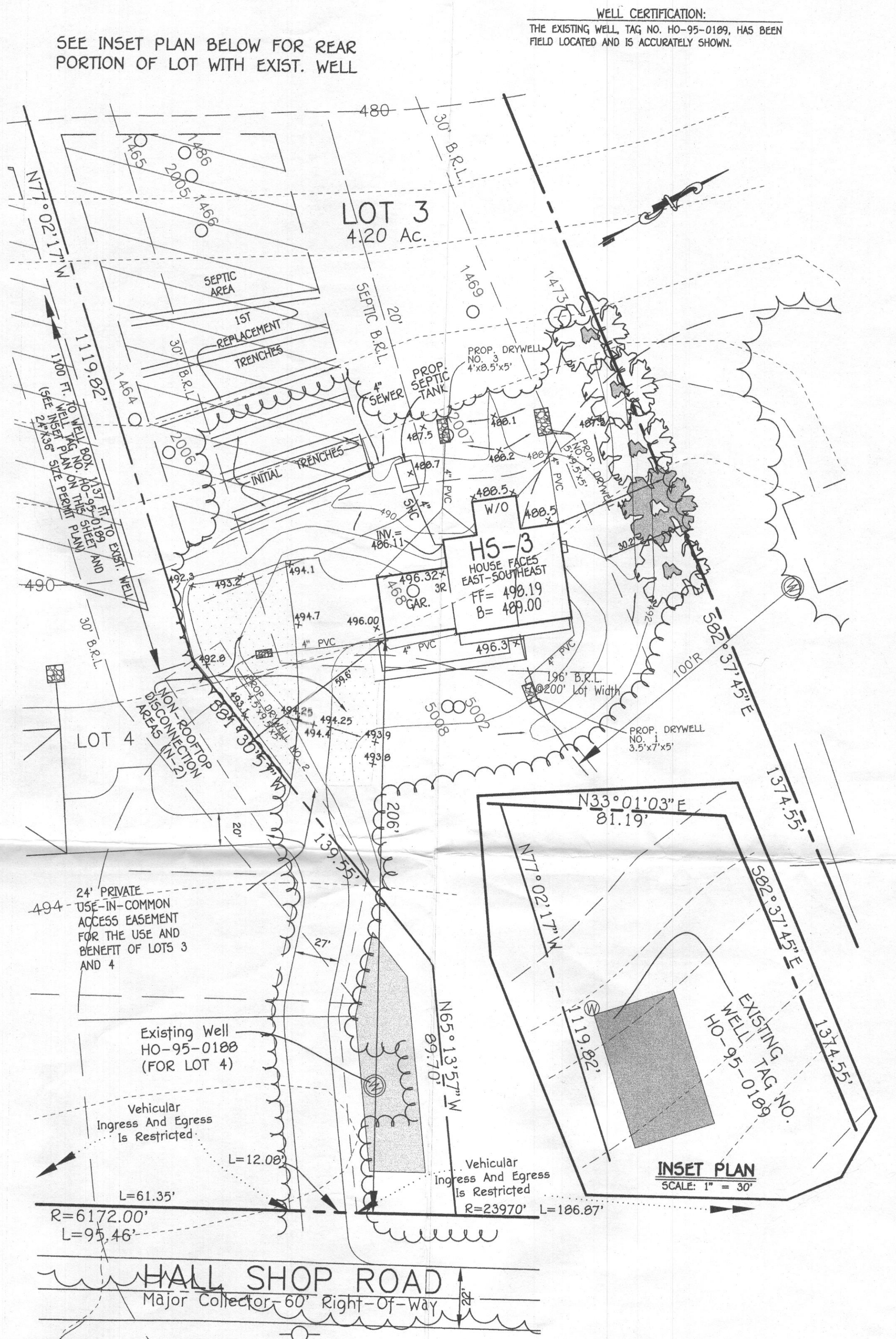
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY
 ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS
 OF THE STATE OF MARYLAND LICENSE NO. 20740, EXPIRATION DATE: 2/22/19.
 Signature: Aldo M. Vitucci
 DATE: 9/16/17



SEPTIC SYSTEM PROFILE
 SCALE: HORIZ. 1" = 30'
 VERT. 1" = 3'



INITIAL TRENCH DETAIL
 SCALE: 1" = 2'



PLAN
 SCALE: 1" = 30'

Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature]
 Date: 9/16/17

SEPTIC INSTALLATION SITE PLAN
 HALL SHOP MANOR II
 LOT 3

TAX MAP No. 41 PARCEL No. 504
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

ADDRESS FOR LOT 3 IS:
 12024 HALL SHOP ROAD

DATE: AUGUST 16, 2017
 SCALE 1" = 30' SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2895

OWNER/DEVELOPER
 ED BUILDERS, LLC
 6420 AUTUMN SKY WAY
 COLUMBIA, MARYLAND 21044
 ATTN: MR. B. JAMES GREENFIELD
 PH# 443-324-4732