

OWNER: MR. AND MRS. MICHAEL BAKER
 (443) 286-1780
 17105 SPRING HOLLOW COURT
 MT. AIRY, MD 21771
 LOT 2
 PLAT: 13772
 PARCEL: 0528
 ELECTION DISTRICT: 4
 HOWARD COUNTY
 ZONED - RC-DEO

LEGEND

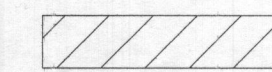
- CURRENT (W/NEW) SYSTEM DESIGN
- FUTURE SYSTEM DESIGNS
- ▨ SEPTIC EASEMENT
- WELL

I certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

(SIGNATURE) _____ (DATE) _____

Approved for private water and private sewer systems. Howard County Health Department

(SIGNATURE) _____ (DATE) _____



This area designates a private sewage disposal area as required by the Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This sewage disposal area shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.

Any changes to a private sewage easement shall require a revised percolation certification plan.

The topography of this plat is taken from Howard County GIS and is verified accurately represent the relative changes on the subject property.

All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems and wells have been shown.

Required BAT Site Plan Notes

1. Any change to the locations or depths to any components must be approved by the engineer and the Howard County Health Department prior to installation. A revised site plan may be required.
2. The maximum depth of the BAT per the manufacturer's specification is 4 feet.
3. The blower may not be located more than 100 feet from the tank based on the manufacturer's specifications.
4. The BAT system shall be maintained and operated for the life of the system.
5. The BAT shall be operated by and maintained by a certified service provider.

1st REPLACEMENT: APP RATE: .8, EFFECTIVE AREA BEGINNING DEPTH: 3' BOTTOM MAX. DEPTH: 7'

2nd REPLACEMENT: APP RATE: .8, EFFECTIVE AREA BEGINNING DEPTH: 3' BOTTOM MAX. DEPTH: 7'

SIDEWALL= 3+2
 $3+1+2(3 \times 5) = 5/12 = 0.45$

TRENCH FOR 1ST & 2ND
 .5 GPD X 6 = 900GPD
 $900/0.8 = 1125$ TO. S.F.
 $1125/3 = 375$ FT
 $375 \times .45 = 169$ LF

TRENCH FOR WATER SOFTENER - 80 GPD/.8
 $100 \text{ SF}/3' = 33.33 \times .45$ (SIDEWALL CREDIT) = 15LF

PURPOSE STATEMENT: TO ESTABLISH A SEWAGE DISPOSAL AREA IN SUPPORT OF A PROPOSED BUILDING ADDITION FOR A 6 BEDROOM HOUSE

SCOPE OF WORK - INFILL EXISTING GARAGE W/ IN-LAW SUITE - ADD 4 CAR GARAGE.

NEW SYSTEM WILL BE INSTALLED AND EXISTING TANK WILL BE ABANDONED PRIOR TO HEALTH DEPT. APPROVAL OF THE BUILDING PERMIT

DESIGN FLOW= 150 gallons x 6 Bedrooms = 900 gallons per day

EXISTING TRENCHES ADEQUATE FOR 6 BEDROOMS, NO CHANGE REQUIRED.

6. Within one month of installation, a person installing the BAT system shall report to the Maryland Department of the Environment (MDE) in a manner acceptable to MDE, the address and date of completion of the BAT installation and the type of BAT installed.
7. Electrical work for the BAT installation must be performed by a licensed electrician.
8. An Agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.
9. The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.

AREA OF TRENCH 1 & 4
 -2 TRENCHES
 = 50' LONG

AREA OF TRENCH 2 & 3
 -2 TRENCHES
 = 55' LONG

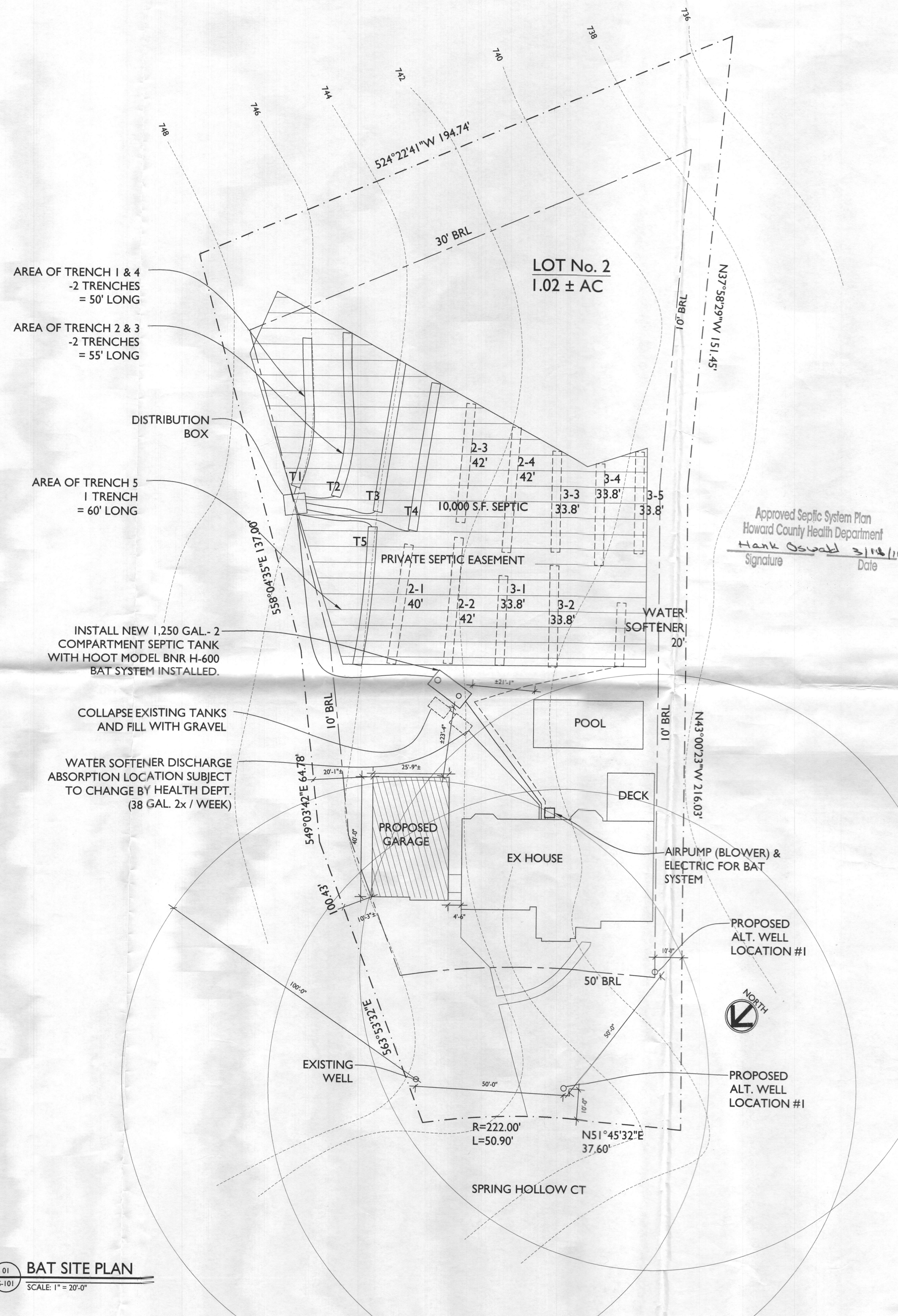
AREA OF TRENCH 5
 1 TRENCH
 = 60' LONG

INSTALL NEW 1,250 GAL - 2 COMPARTMENT SEPTIC TANK WITH HOOT MODEL BNR H-600 BAT SYSTEM INSTALLED.

COLLAPSE EXISTING TANKS AND FILL WITH GRAVEL

WATER SOFTENER DISCHARGE ABSORPTION LOCATION SUBJECT TO CHANGE BY HEALTH DEPT. (38 GAL. 2x / WEEK)

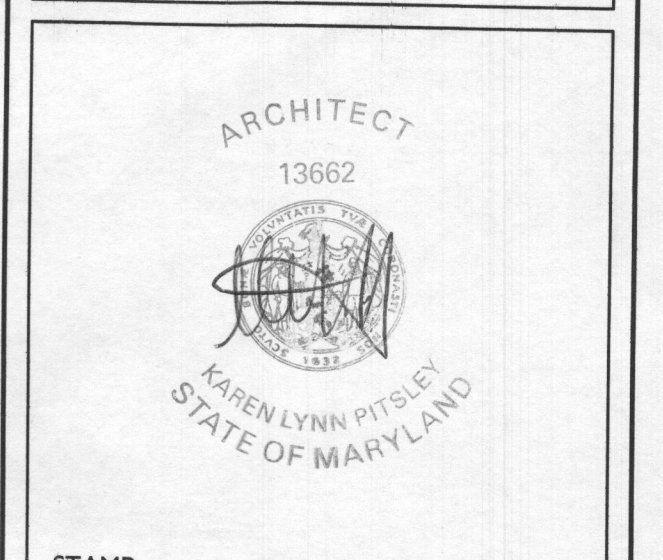
01
 S-101
BAT SITE PLAN
 SCALE: 1" = 20'-0"



Approved Septic System Plan
 Howard County Health Department
 Hank Oswald 3/18/16
 Signature Date



7612 Browns Bridge Road
 Highland, MD 20777
 301-776-2666
 301-776-2886 fax
 1-877-828-7267
 info@TransformingArchitecture.com
 www.TransformingArchitecture.com



I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 13662, EXPIRATION 10-22-2017.

NOTE: THESE DRAWINGS ARE THE PROPERTY OF TRANSFORMING ARCHITECTURE AND, AS SUCH, MAY NOT BE RE-USED OR REPRODUCED, EITHER WHOLLY OR IN PART, WITHOUT PRIOR WRITTEN CONSENT OF TRANSFORMING ARCHITECTURE.

PROJECT PHASE
PERMIT

PROJECT TITLE
THE BAKER RESIDENCE
 17105 Spring Hollow Ct.
 Mt. Airy, MD 21771

REVISIONS

SYMBOL	DATE	ISSUED FOR

PROJECT NUMBER 11-069
 DATE 03/09/2016
 SCALE AS NOTED

DRAWING TITLE
SITE PLAN FOR BAT INSTALLATION

SHEET NUMBER
S-101

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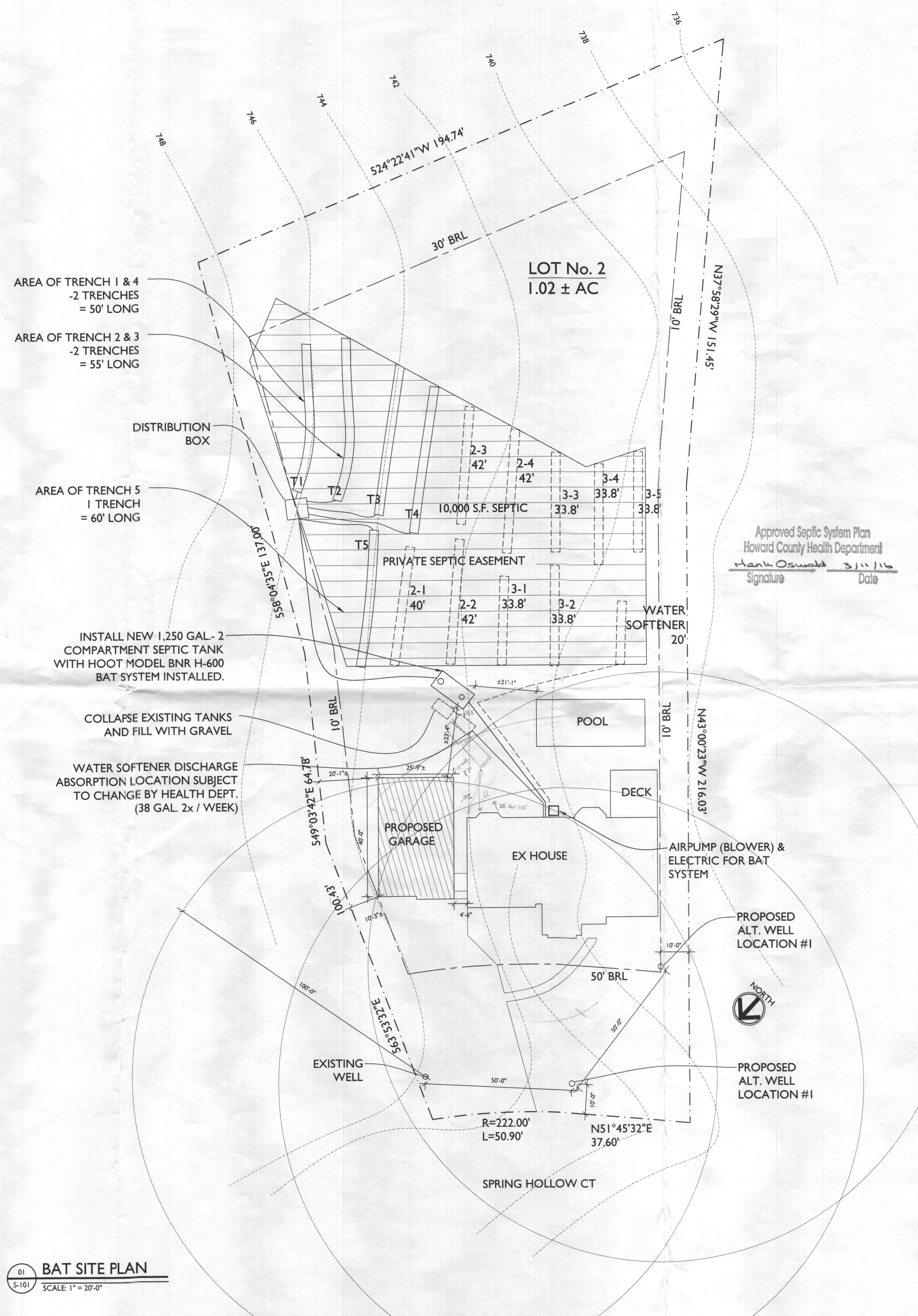
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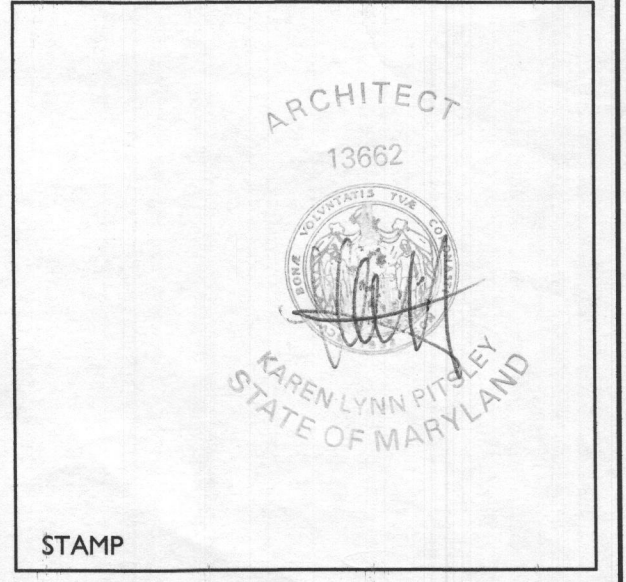
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