



HOWARD COUNTY HEALTH DEPARTMENT

55328

DATE
11/24/14

W5

Received From

Allied Emv. Services

PHONE #

301 776-8370

For

Well Payment - 7612 Brown
Bridge Rd.

- CASH
- CHECK

NO.

11350

One hundred sixty 7/1

Dollars

\$

160.00

Received By

Oliver

C1 04830

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

1 2 3 6

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, STREET OR RFD, SUBDIVISION, SECTION, TOWN, LOT

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Brn Soil, Brn weathered Rock, Brn calcareous rock with (40 grain), Gng Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot) from TOP to BOTTOM

CASING RECORD

MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD, screen type or open hole, insert appropriate code below

DEPTH (nearest ft.) table with rows A, C, S, R, E, N and columns 1-3

DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.)

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

Grid of pump types: A (air), C (centrifugal), J (jet), P (piston), R (rotary), S (submersible), T (turbine), O (other)

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER A, E, P

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO., DRILLERS SIGNATURE, LIC. NO.

SITE SUPERVISOR (sign, of driller or journeyman responsible for sitework if different from permittee)

B 1 25758

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
555328 please type

STATE PERMIT NUMBER
Ho -14 -0174
fill in this form completely

Date Received (APA)
11/24/14

OWNER INFORMATION

8 Pitsley Scott + Koren
15 Last Name Owner First Name 34
7612 Browns Bridge Rd
36 Highland MD 2077
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
8 COUNTY 21
Greenwood Farms, S1
23 SUBDIVISION 42
SECTION 44 46 LOT 2 48 50
Highland
52 NEAREST TOWN 71

DRILLER INFORMATION

C John Hess MW D 553
76 Driller's Name License No. 81
Allred Environmental Services
Firm Name
PO Box 129 Annapolis Junction MD 2070
Address
John Hess 11/20/14
Signature Date

B 4 SOURCES OF DRILLING WATER
1. Public
11 STREET ADDRESS 30
2612 Brown Bridge Rd
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH
WEST EAST
SOUTH
34 37
DISTANCE FROM ROAD
ENTER FT OR MI 38 39
TAX MAP: 0010 BLK 0018 PARCEL 0158

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.)
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- OPEN LOOP GEOTHERMAL
- CLOSED LOOP GEOTHERMAL 3 Loops

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 12/10/14
43 MM DD YY 48 CO SIGNATURE 12/10/15 EXP. DATE

APPROXIMATE DEPTH OF WELL 320 FEET
APPROXIMATE DIAMETER OF WELL NEAREST INCH

PROPOSED LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

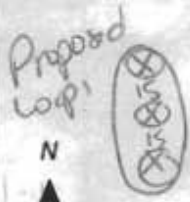
METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jettled & DRIVEN
- 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
- 37 CABLE REVERSE-ROTary DRIVE-POINT
- other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
 - THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 - THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 - THIS WELL WILL DEEPEM AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

House



Browns Bridge Rd

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G
PERMIT No. Ho-14-0174
70 71 72 73 74 75 76 77 78 79

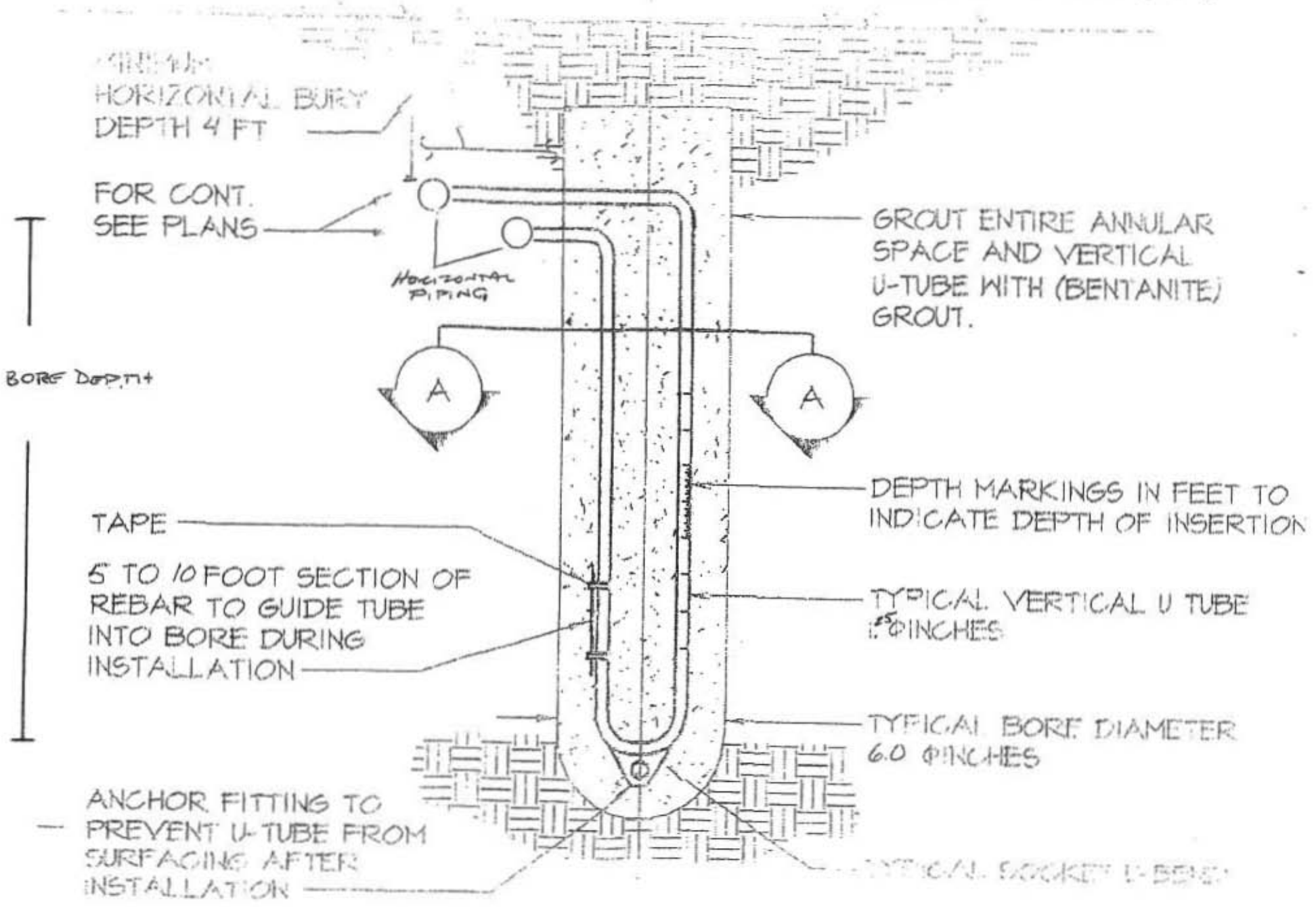
SPECIAL CONDITIONS

HOWARD COUNTY GROUTING PROCEDURE

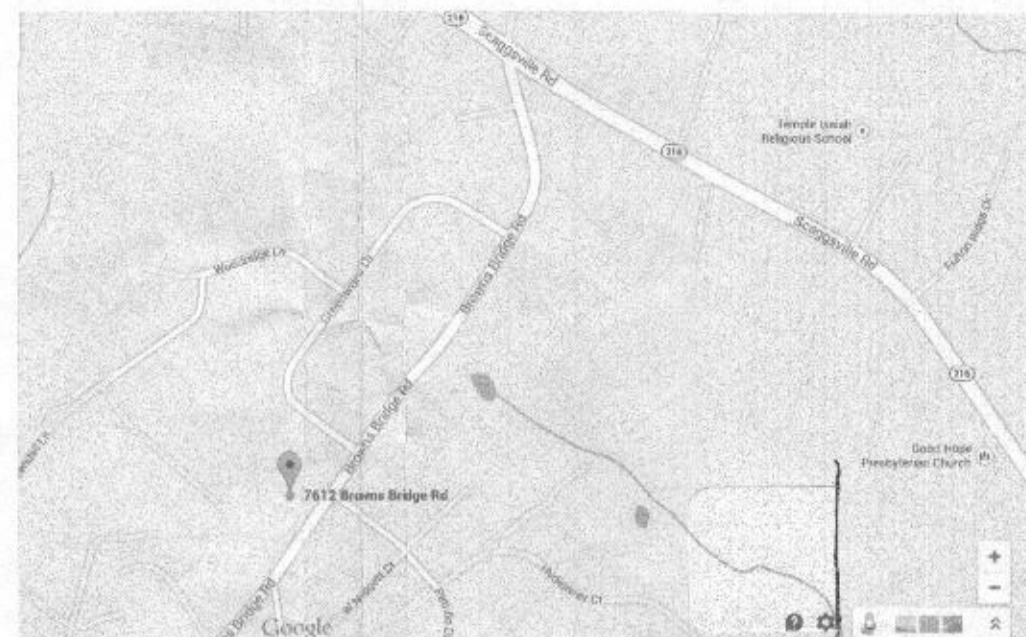
Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than $2.5 \text{ E}(-08) \text{ cm/sec}$. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

GRADE

EACH BORE HOLE (TYP.)



PROPERTY KNOWN AS LOT 2
 GREENVILLE FARMS
 PLAT BOOK RHM 5.F.26
 & PART LOT 44 SECTION 3
 GREENWOOD FARMS
 PLAT BOOK RHM 5.F.88
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MD



SCOPE OF WORK - ADDITION
 OVER EXISTING HOUSE - NO
 ADDITIONAL S.F. TO
 FOOTPRINT OF HOUSE

DESIGN FLOW= 150 gallons x 5 Bedrooms =
 750 gallons per day
 SQUARE FEE OF TRENCH REQ'D = 750gpd/
 .8 (appl. rate) = 937.5 S.F.
 LENGTH OF TRENCH (width adjustment)=
 937.5 / 3ft wide trench = 312.5 S.F.
 LENGTH OF TRENCH (depth adjustment @
 12") = 312.5 x .83 = 218.75' S.F.
 218.75' TRENCHES = 73' LONG

LEGEND

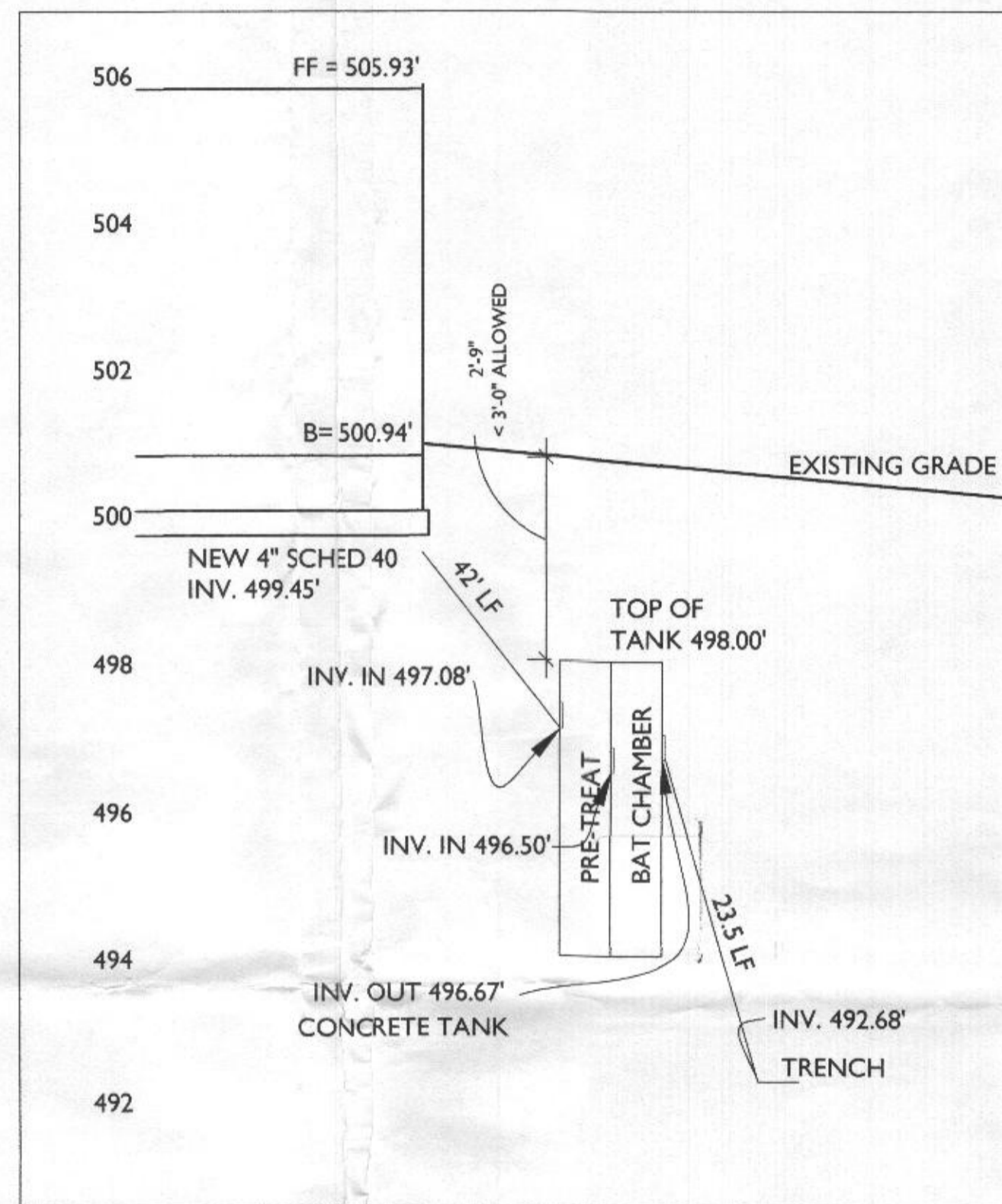
- PERC TEST PIT LOCATION
- - - - - CURRENT (W/NEW) SYSTEM DESIGN
- - - - - FUTURE SYSTEM DESIGNS
- ▨ SEPTIC EASEMENT
- WELL

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.

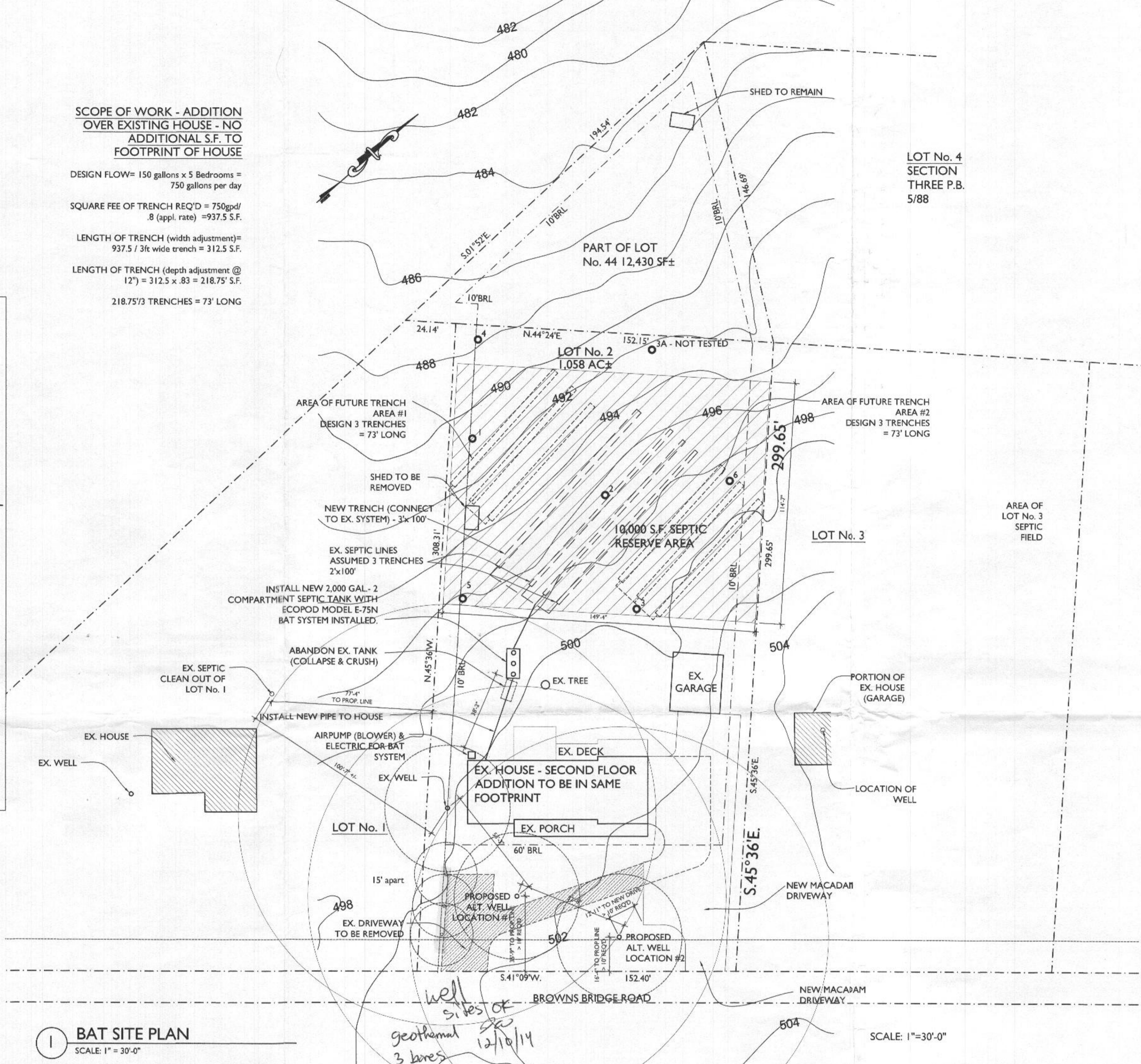
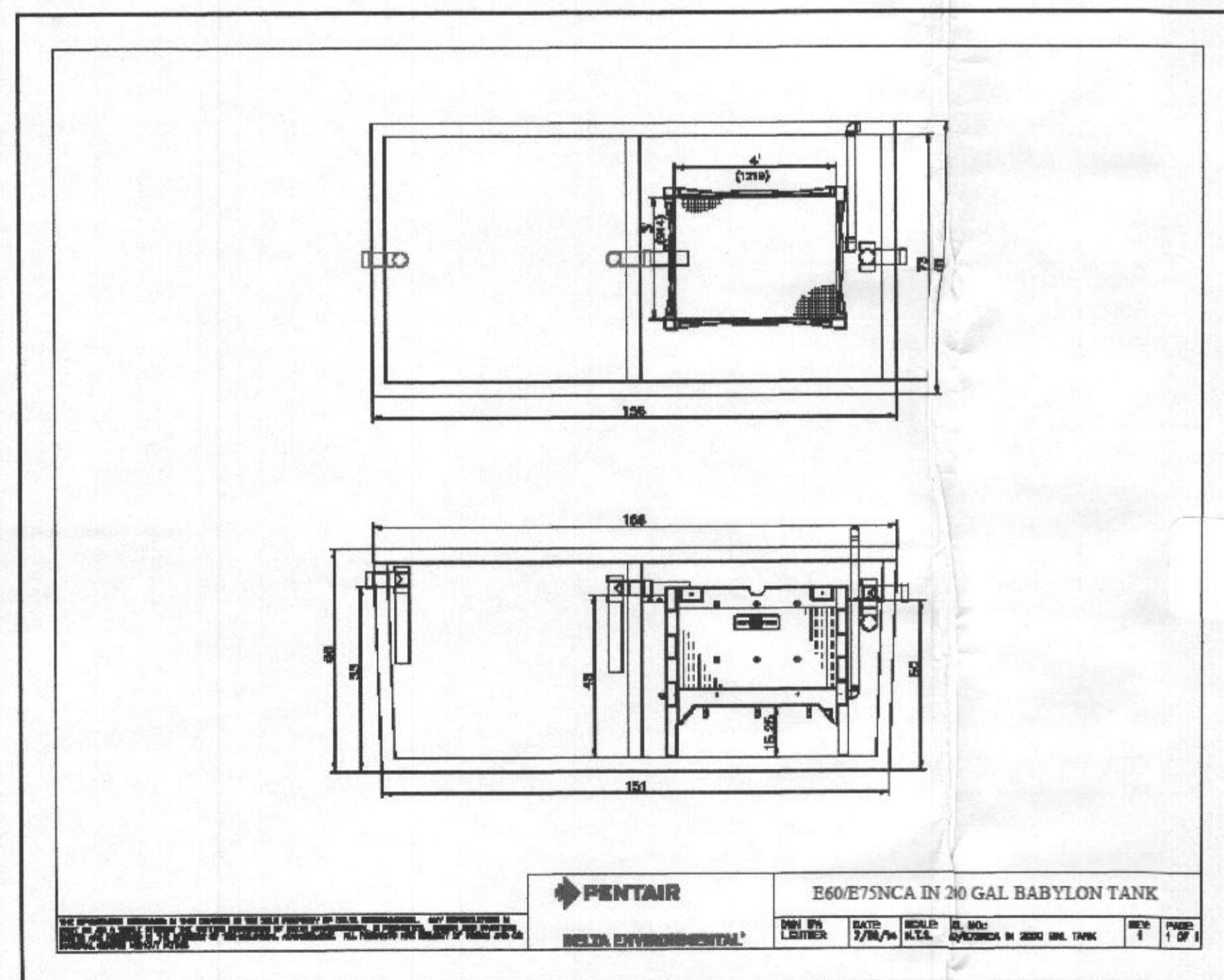
(SIGNATURE) (DATE)

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

(SIGNATURE) (DATE)



02 HYDROLOGIC PROFILE
 A-1 SCALE: HORIZ. 1" = 40' VERT. 1" = 4'



1 BAT SITE PLAN
 SCALE: 1" = 30'-0"

This area designates a private sewage disposal area of at least 10,000 sq. ft. 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.

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.



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

STAMP

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 10-22-2015.

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
 PITSLEY
 RESIDENCE

7612 Browns Bridge Road
 Highland, MD 20777

REVISIONS

SYMBOL	DATE	ISSUED FOR

PROJECT NUMBER 14-111

DATE 11/5/14

SCALE AS NOTED

DRAWING TITLE

BAT
 SITE
 PLAN

SHEET NUMBER

S-101