

3/8/00  
10:00

# PERMIT

**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P 513305

A REPAIR

ISSUE DATE 3/8/00

APPROVAL DATE \_\_\_\_\_

04-310055 INDEXED

William Barnes \_\_\_\_\_ IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER X

ADDRESS 1878 Route 94 Woodbine, MD 21797 PHONE (410) 489-4465

SUBDIVISION \_\_\_\_\_ LOT NUMBER \_\_\_\_\_ ADDRESS 16471 Ed Warfield Road

PROPERTY OWNER Michael Bolinger PROPERTY OWNER'S ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY \_\_\_\_\_ GALLONS

PUMP CHAMBER CAPACITY \_\_\_\_\_ GALLONS

NUMBER OF BEDROOMS \_\_\_\_\_

SQUARE FEET PER BEDROOM \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED \_\_\_\_\_

*NO WORK PERFORMED AT THIS TIME*  
*(Signature)*

TRENCHES: Trenches to be \_\_\_\_\_ feet wide. Inlet \_\_\_\_\_ feet below original grade. Bottom maximum depth \_\_\_\_\_ feet below original grade. \_\_\_\_\_ feet of stone below distribution box.

LOCATION: \_\_\_\_\_

\*\*\*REPAIR - PURPOSE - In conjunction with proposed addition to existing house (B00122091).\*\*\*  
Call for inspection when ground is open so sanitarian can recommend repair.

PLANS APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

PERMIT VOID AFTER 2 YEARS

**BLDG PERMIT SIGNED**  
**AND RETURNED 3/9/00**  
B00122092 Barn

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

**BLDG PERMIT SIGNED**  
**AND RETURNED 3/9/00**

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

B00122091 2-story bedroom/bath

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

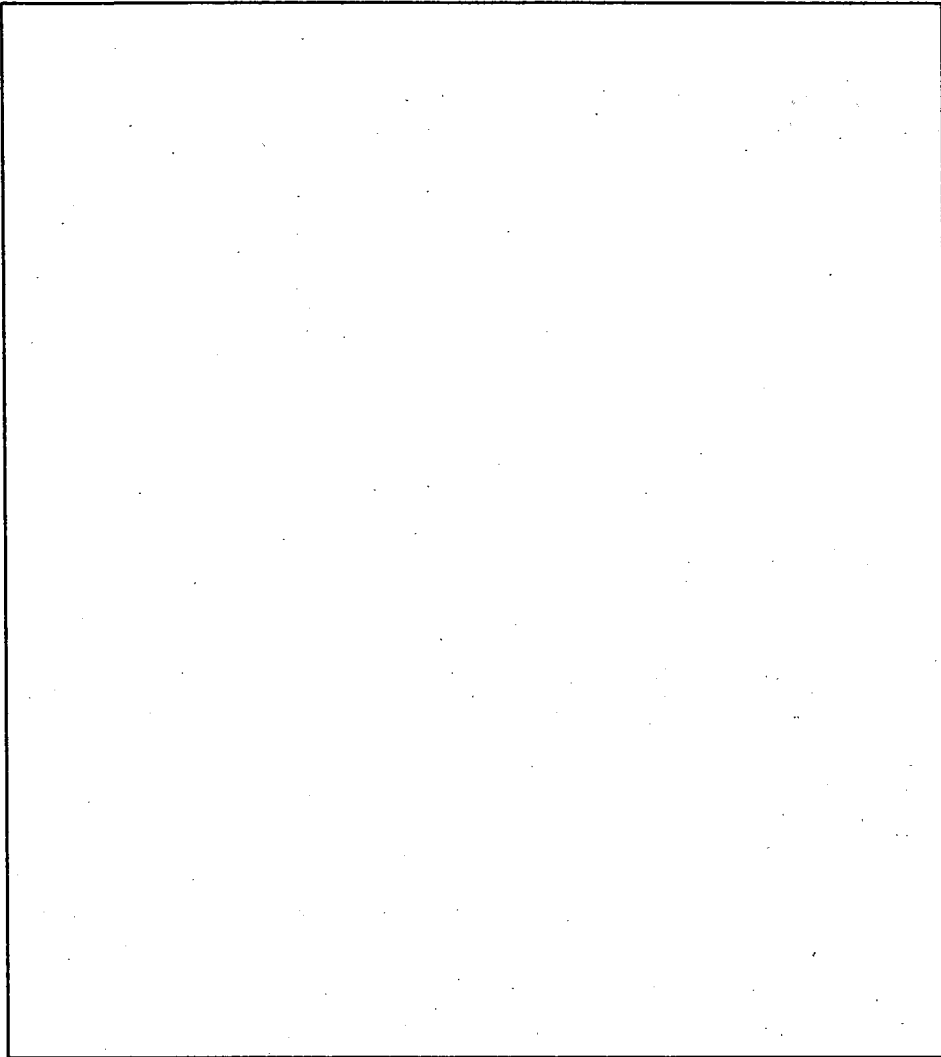
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

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 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

513305

NOT TO SCALE



**TRENCH DATA**

TRENCH WIDTH \_\_\_\_\_

TRENCH INLET DEPTH \_\_\_\_\_

TRENCH BOTTOM DEPTH \_\_\_\_\_

DEPTH OF STONE \_\_\_\_\_

NUMBER OF TRENCHES \_\_\_\_\_

TOTAL TRENCH LENGTH \_\_\_\_\_

ABSORBENT AREA \_\_\_\_\_

DISTRIBUTION BOX LEVEL \_\_\_\_\_

BAFFLE IN DISTRIBUTION BOX \_\_\_\_\_

**SEPTIC TANK DATA**

SEPTIC TANK \_\_\_\_\_ GALLONS

MANHOLE RISER \_\_\_\_\_

6 INCH INSPECTION PORT \_\_\_\_\_

**PUMP CHAMBER DATA**

PUMP CHAMBER  
GALLONS \_\_\_\_\_

MANHOLE RISER \_\_\_\_\_

ALARM \_\_\_\_\_

PUMP PERFORMANCE TEST \_\_\_\_\_

PRE-CONSTRUCTION INSPECTION: \_\_\_\_\_

INSPECTION COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

INSPECTOR \_\_\_\_\_ DATE SYSTEM APPROVED \_\_\_\_\_

*\*keep this please*



**HOWARD COUNTY HEALTH DEPARTMENT**

Diane L. Matuszak, M.D., M.P.H., County Health Officer

January 21, 2000

*3/800*

**MEMORANDUM**

TO: Mr. and Mrs. Michael Bolinger  
16471 Ed Warfield Road  
Woodbine, Maryland 21797

FROM: Donna K. Soe, R.S. *(DS)*  
Water and Sewerage Program

RE: Building Permit #B00122091  
16471 Ed Warfield Road  
Proposed addition to existing house

*Per Mr. Bolinger, there shall not be an increase in # of bedrooms, because an ex. bedroom now shall become a study upon completion of the addition. There were no signs of problems w/ ex drywell either.*

This office has recently received the above referenced building permit application; however, we are unable to recommend approval of the application at this time. The application indicates a proposal for an extensive addition to the existing house, including an additional bedroom.

*OK to proceed w/ WPSP is w/out any septic upgrade*  
*(DS)*

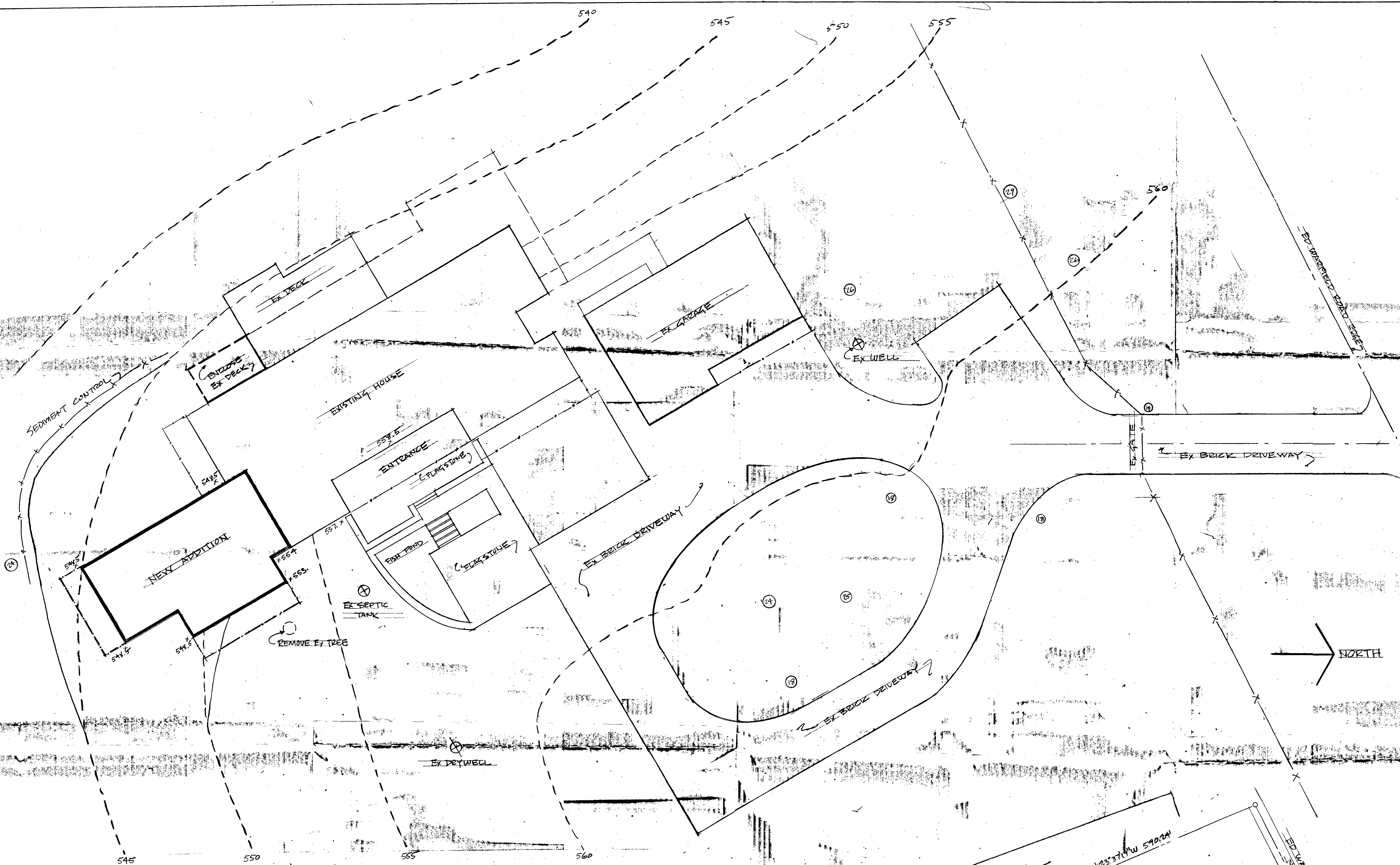
Health Department records for the property indicate that the original septic system was installed in 1973. Since septic systems are sized based on the number of bedrooms in a home, it shall be necessary for the existing septic system to be evaluated and upgraded to accommodate the potential additional sewage flow associated with the proposed addition. Additionally, since septic systems usually last about fifteen to twenty years, it is reasonable to believe that the existing system may be near to the end of its operational life.

Prior to Health Department recommendation for building permit approval, the existing septic system shall require evaluation and upgrade to accommodate the proposed addition. In order to continue with the proposal, please contact me at the address below or by calling (410) 313-2640 to request the septic repair permit (permit fee \$25.00) required to initiate the septic system evaluation.

Thank you in advance for your cooperation regarding this matter.

*1/24/00 3:35 p.m. spoke to Mrs. Bolinger - I explained that she could call w/ contractor's name, etc. and that we would set up repair permit.*

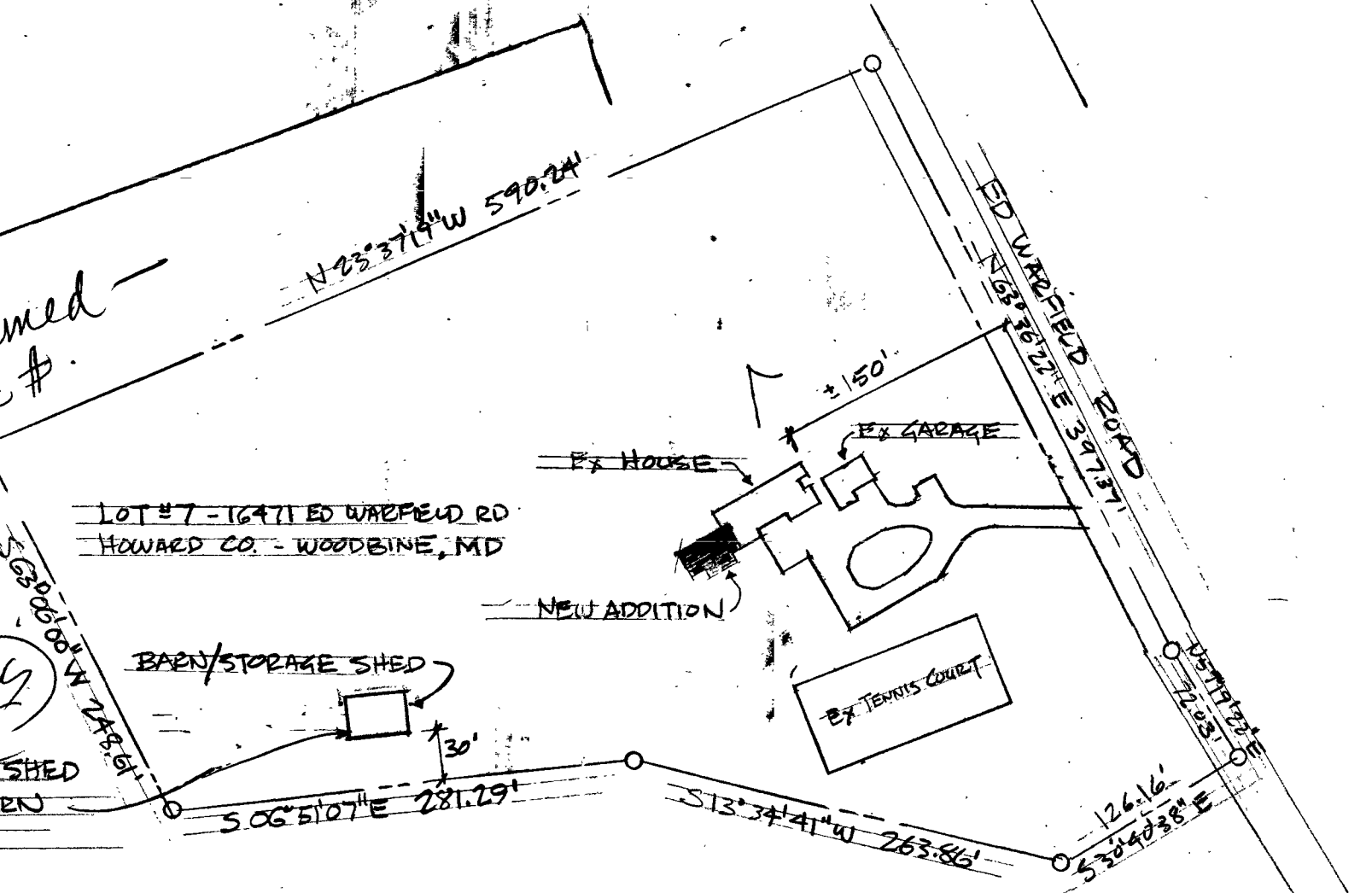
DKS  
Cc: file



**SITE PLAN**  
SCALE: 1/8" = 1'-0"

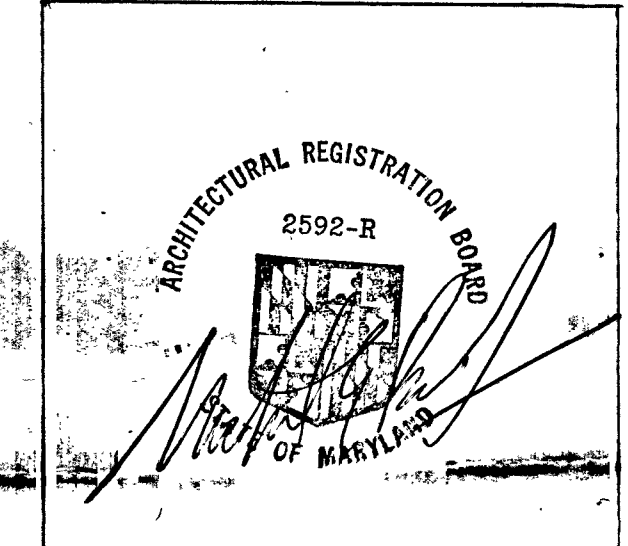
*Additional note:*  
Mr. Bolinger advised the potential difficulty that may be encountered if and when the ex septic system requires repairs.

*Handwritten note:*  
Septic evaluation performed - no net increase in bpe #. OK to proceed w/ BP's at this time. No upgrade to septic tank required.



**PROPERTY PLAN**  
SCALE: 1" = 100'

PROFESSIONAL CERTIFICATION:  
I CERTIFY THAT THESE DOCUMENTS  
WERE PREPARED BY ME AND THAT I AM  
A FULLY LICENSED ARCHITECT UNDER THE  
LAWS OF THE STATE OF MARYLAND,  
LICENSE NUMBER 25422-2 (B1007W) / JEM



BOLINGER RESIDENCE  
16471 ED WARFIELD RD  
WOODBINE, MD 21797

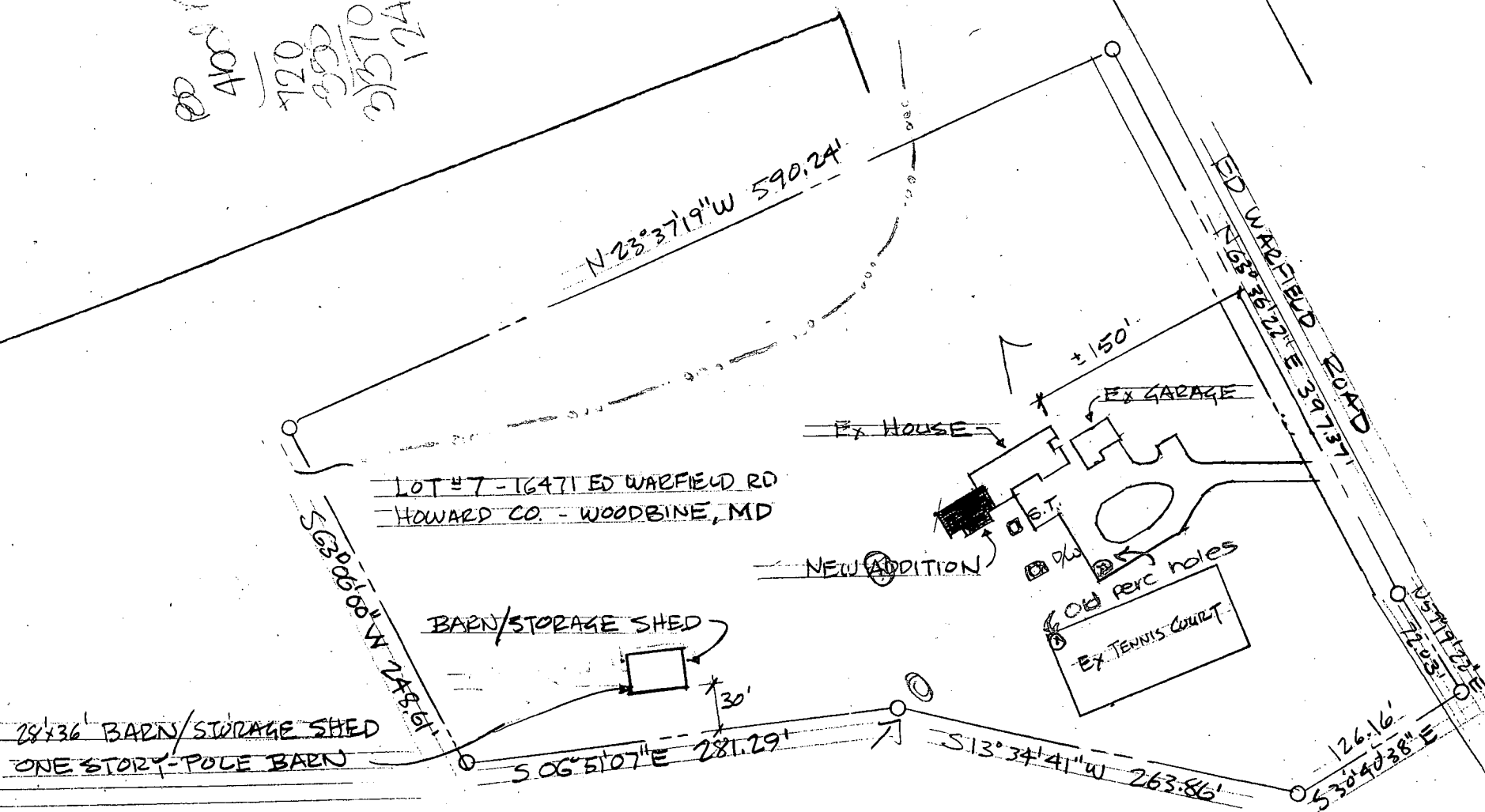
MICHAEL E. BOLINGER, P.A.  
16471 ED WARFIELD RD  
WOODBINE, MD 21797

**SITE PLAN**

27 NOV 1999 DRAWING NO.  
A-1

OSU

4100  
120  
350  
3570  
124



# PROPERTY PLAN

SCALE 1" = 100'

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Michael Bolinger

ADDRESS 16471 Ed Warfield Rd PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 16471 Ed Warfield Road

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

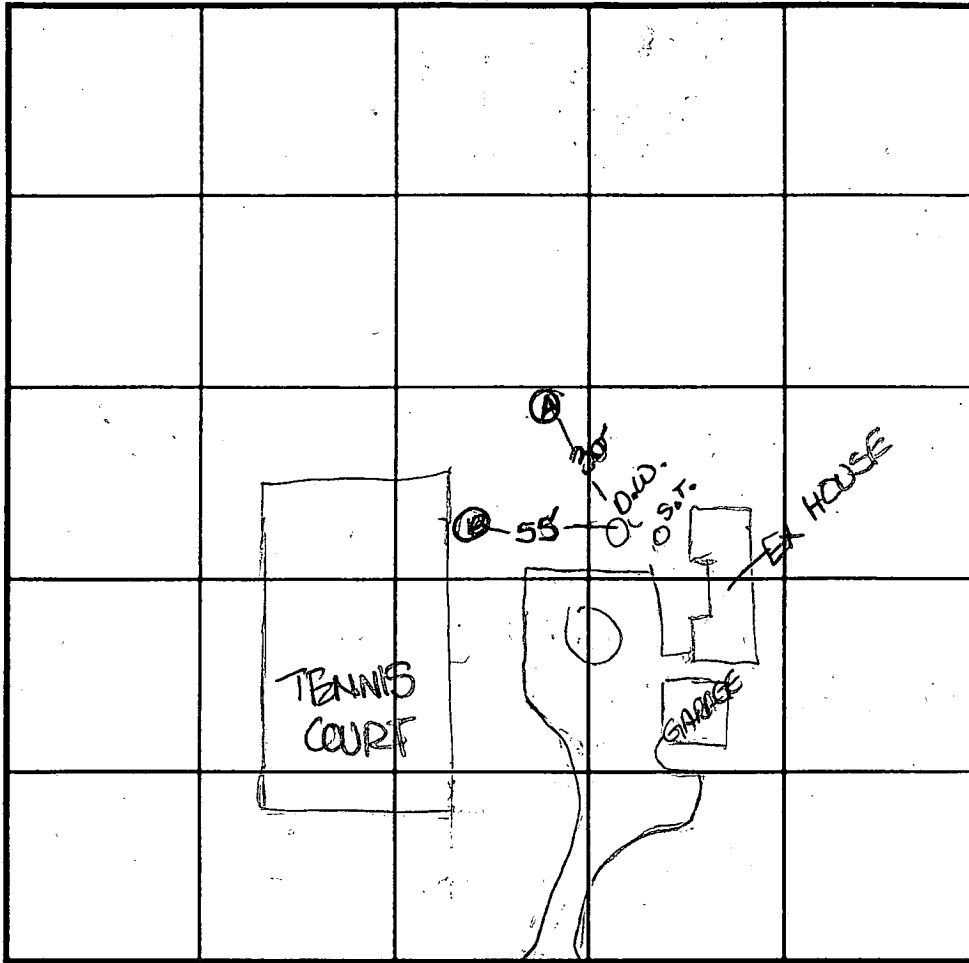
SOIL PROFILE

0'

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.



SOIL PROFILE

0'

Empty vertical box for soil profile notes.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
Ed Warfield Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-8-00	A	3.0'D	Hard	rock			FAIL
	B	3.0'D	Hard	rock			FAIL

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY DKS ALSO PRESENT B. Barnes

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# PERMIT

SEWAGE DISPOSAL SYSTEM

11/20/73  
16408

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 4th

DATE 11/20/73

## INDEXED

William Hopkins

IS PERMITTED TO INSTALL  ALTER

ADDRESS Jennings Chapel Road, Woodbine, Md.

PHONE 469-4711

A SEWAGE DISPOSAL SYSTEM LOCATED AT \_\_\_\_\_

SUBDIVISION \_\_\_\_\_

ROAD Ed. Warfield Road

LOT 7

PROPERTY OWNER \_\_\_\_\_

Michael E. Bolinger

ADDRESS \_\_\_\_\_

SPECIFICATIONS 3 bedrooms

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

SEPTIC TANK CAPACITY 1000 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 25% & TANK CAPACITY 50%.

OTHER DRY WELL - 350 sq. ft. absorbent sidewall area below inlet. Inlet to enter at 4 ft. below original grade and maximum depth 12 ft. below original grade. Locate dry well 158 ft. off of front property line and 146 ft. from corner lot line.

NOTE: ALL PIPE FROM HOUSE TO DRY WELL MUST BE CAST IRON.  
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL.

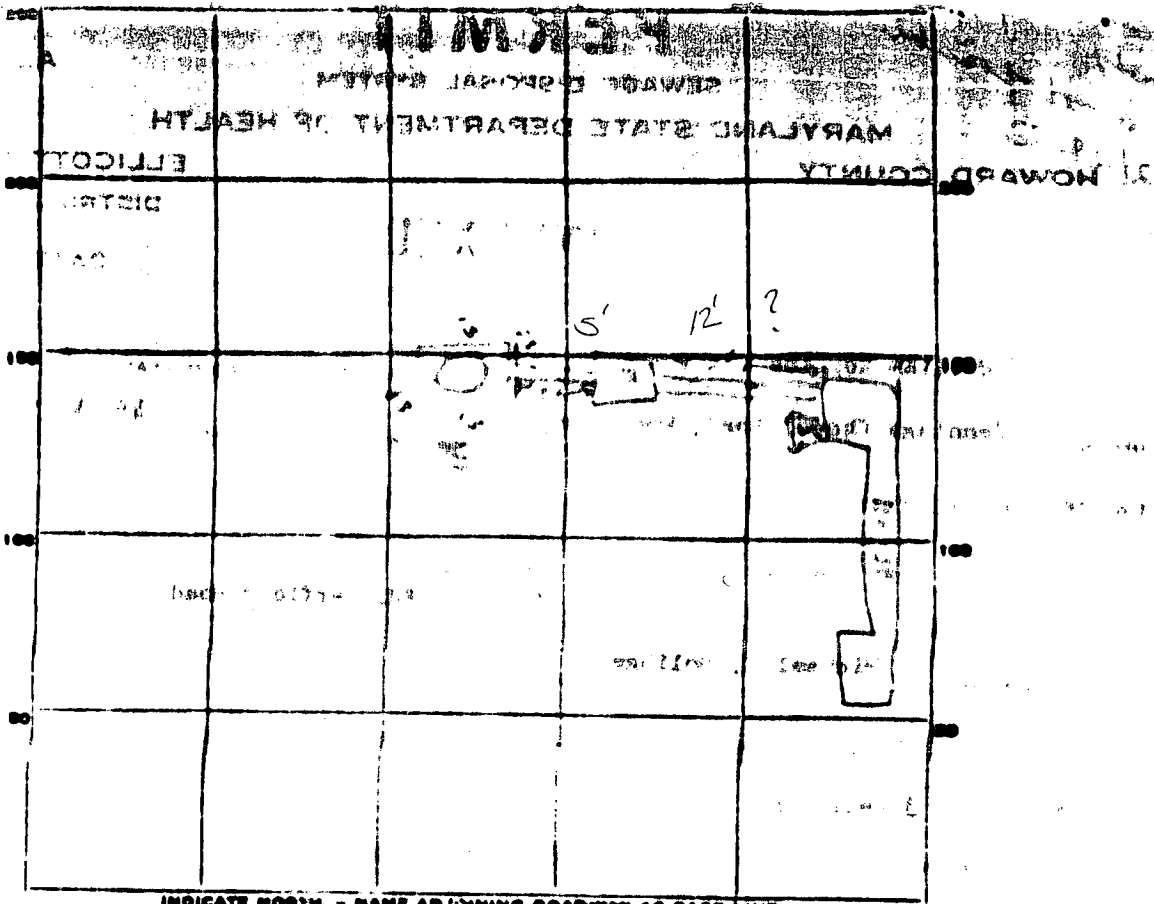
PLANS APPROVED BY Charles E. Streaker

DATE 11/2/73

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

16408



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD \_\_\_\_\_

SEPTIC TANK, LEVEL OK

CLEANOUTS OK

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH \_\_\_\_\_ FT.

TRENCH WIDTH \_\_\_\_\_ FT.

GRAVEL DEPTH \_\_\_\_\_ IN.

\_\_\_\_\_

TOTAL LENGTH \_\_\_\_\_

FT.

NUMBER OF TRENCHES \_\_\_\_\_

TOTAL BOTTOM AREA \_\_\_\_\_

SEEPAGE PITS, INSIDE SHELF \_\_\_\_\_

57

FT.

DEPTH BELOW INLET \_\_\_\_\_

7'

FT.

ABSORBENT AREA \_\_\_\_\_

SQ. FT.

REMARKS \_\_\_\_\_

DATE SYSTEM APPROVED \_\_\_\_\_

12/28/73

INSPECTOR \_\_\_\_\_

H.Z. + C.B.S.

# APPLICATION

A 18401

## SEWAGE DISPOSAL TESTING

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 4

DATE 10/26/71

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT OR RECONSTRUCT A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Edvin Warfield III (Contract Purchaser Michael E. Bolinger)

ADDRESS Oakdale, Woodbine, Maryland PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 7

ROAD AND DESCRIPTION Rd. Warfield Road - Use Dwy Road to Rd Warfield Rd. follow Warfield Rd. - entrance on top of hill before stream (large)

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

SIZE OF LOT 5.00 acres TYPE BLDG. 3

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_ (Single Fmly. Dwlg.)

SIGNATURE OF APPLICANT Michael E. Bolinger

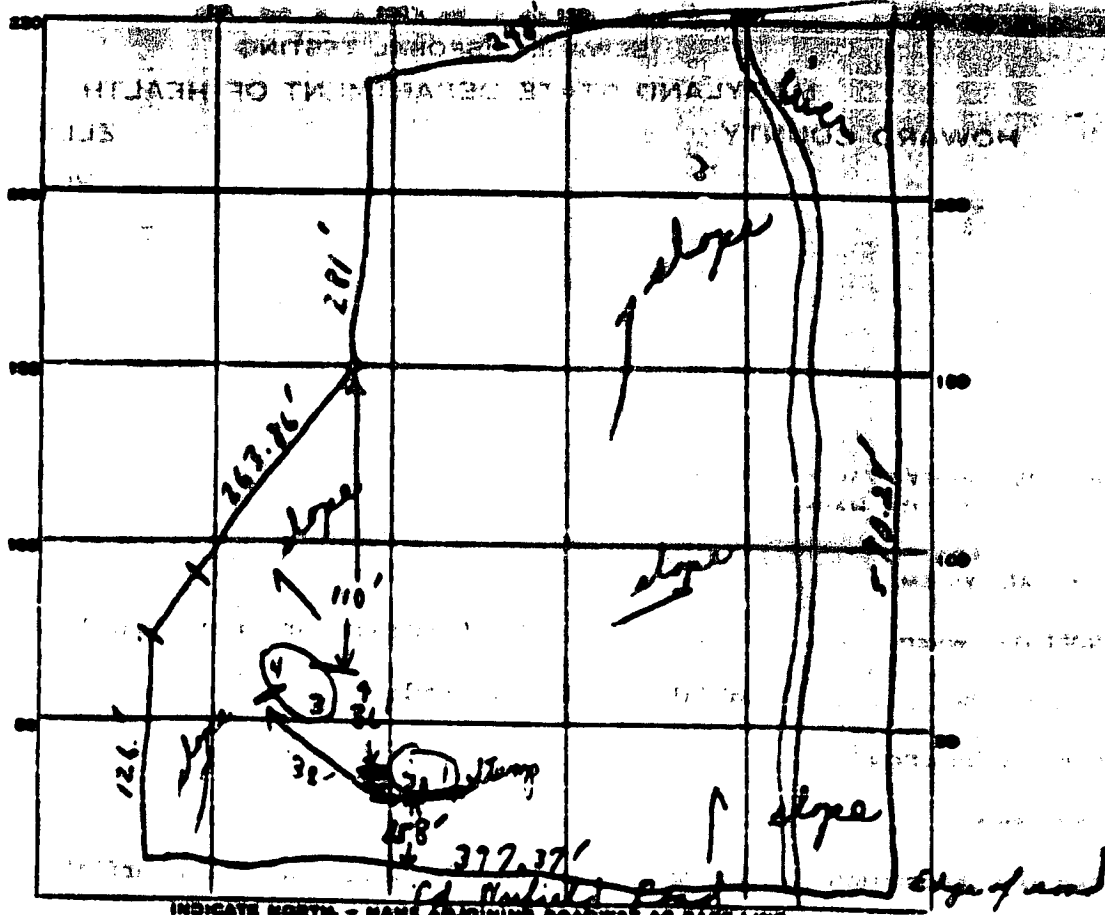
APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE 11/1/71

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/2/71	1	12'	1030	1032	10:32	10:34	2 min
	2	4'	1037	1038	1038	1040	2 min
	3	11 1/2'	1047	1050	1050	1054	4 min
	4	4'	1058	1012	1112	1134	22 min

7 1/2

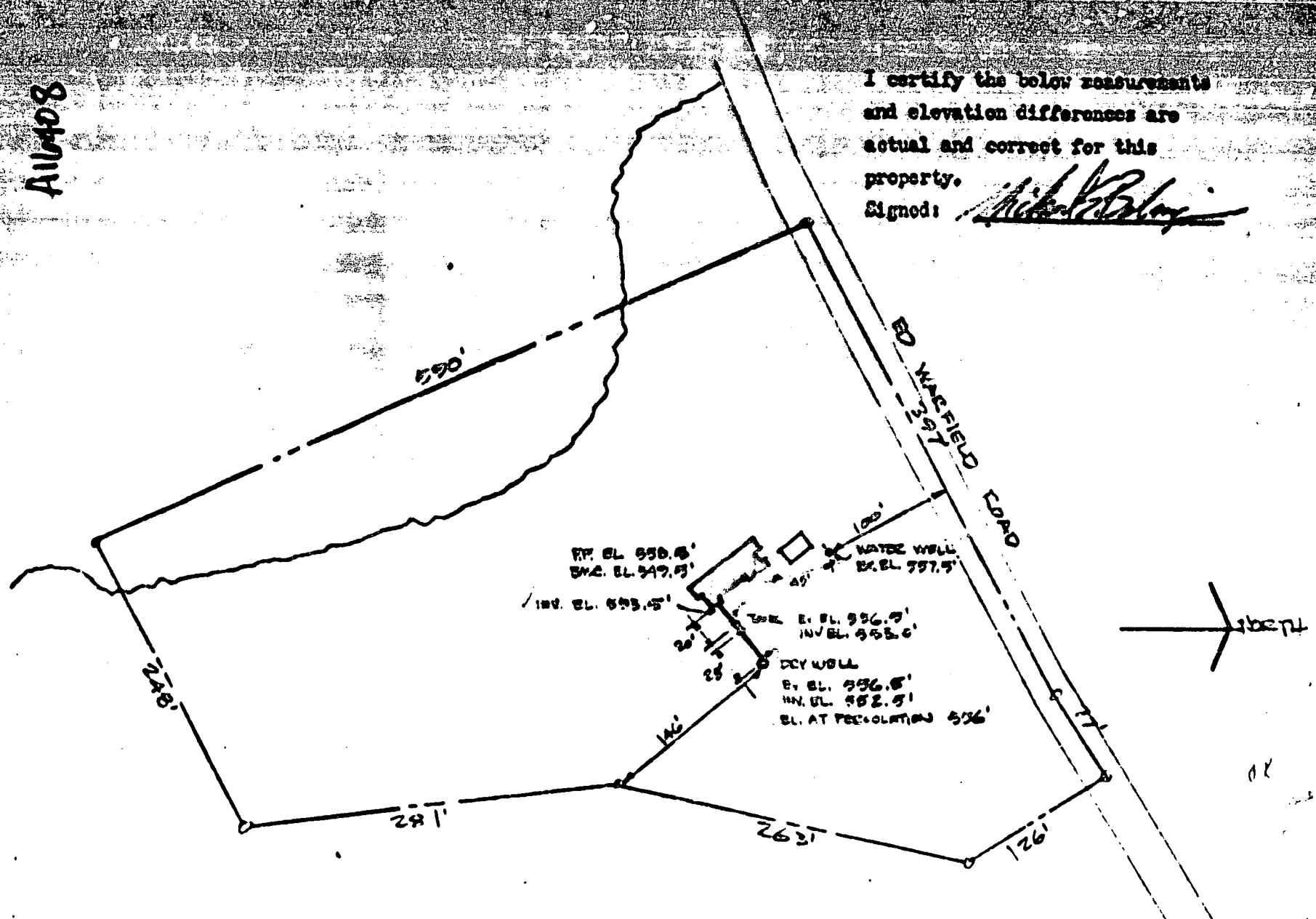
SOIL AUGER FINDING \_\_\_\_\_

TESTED BY P.S. 11/2/71

REMARKS Hand soil New hole 142 depth 29'

A116408

I certify the below measurements and elevation differences are actual and correct for this property.  
Signed: *Nickolas Polyzos*



WELL AND SEPTIC PLAN  
SCALE 1" = 100'

BOLIXEE LEADERS  
LOT 7 ED WAREFIELD RD

ED. WARFIELD ROAD

5.000 ACRES

5.412 ACRES

7

6

N 64° 18' 22" E 261.64

S 06° 51' 01" E 281.29

N 18° 34' 52" W 500.99

N 13° 51' 18" W 590.24  
S 29° 07' 19" E 580.81

S 63° 06' 00" W 248.61

N 17° 45' 11" W 818.45

S 62° 12' 57" E 347.32

60 feet diameter  
White Oak

57.98 88

WELL COMPLETION REPORT

Form No. 1 (Rev. 1-1963)

COUNTY NUMBER **Albany**

DEPTH OF WELL **150**

DATE WELL COMPLETED **4-6-78**

PERMIT NO. FROM STATE TO DRILL WELLS **HO-75-2409**

DRILLER IDENTIFICATION NO. **92**

OWNER **Billings**

STREET OR RD. **107th** POST OFFICE **Lawton**

STARTING RECORD

WELL HAS BEEN DRILLED (CIRCLE APPROPRIATE BOX)

TYPE OF DRILLING MATERIAL (CIRCLE BOX)

CEMENT  BITUMEN  OTHER

NO. OF CASES **1** NO. OF POUNDS **150**

GALLONS OF WATER **30**

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM **0** FT. TO **150** FT. (ENTER 0 IF FROM SURFACE)

CASING RECORD

CASING TYPE (CIRCLE APPROPRIATE CODE BELOW)

STEEL  CORRUGATED

PLASTIC  OTHER

MAIN CASING TYPE **57** NOMINAL DIAMETER TOP (NEAREST INCH) **6** TOTAL DEPTH OF MAIN CASING (NEAREST FEET) **150**

OTHER CASING (IF USED) TABLE with columns for DIAMETER (INCH) and DEPTH (FEET) FROM TO.

SCREEN RECORD (CIRCLE APPROPRIATE CODE BELOW)  STEEL  BRASS  COPPER  WIRE MESH  PL  OT PLASTIC OTHER

SCREEN DEPTH TABLE with columns for DEPTH (NEAREST WHOLE FEET) FROM TO.

DIAMETER OF SCREEN **2** (NEAREST INCH)

GRAVEL PACK

WELL REPELLED WAS A  PLUGGED WELL (CIRCLE BOX) **68 P**

DRILLER USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING  LOG INDICATOR  OTHER DATA AVAILABLE

PUMPING TEST

WELL NUMBER **C 9**

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) **2**

METHOD USED TO MEASURE PUMPING RATE **Read**

WATER LEVEL (DURING & FROM LOAD) **2**

WELL NUMBER **150** (NEAREST FOOT)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (IF OF PUMPING TEST)

AIR  MOTOR  TURBINE  CENTRIFUGAL  ROTARY  OTHER (CHECKED BELOW)  JET  SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)  YES  NO

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) **30**

PUMP HORSE POWER **1/2**

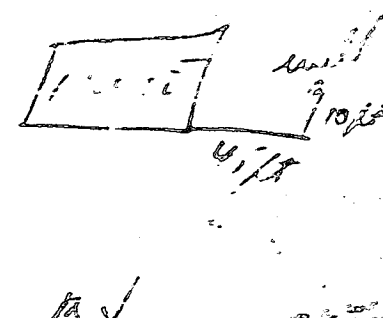
PUMP COLUMN LENGTH (NEAREST FOOT) **43**

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE SAND SURFACE  BELOW (NEAREST FOOT) **2**

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEWER TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL.



DESCRIPTION OF FORMATIONS PENETRATED, THEIR NO., DEPTH, COMPOSITION AND IF WATER BEARING. TABLE with columns for DEPTH FROM TO and WATER BEARING.

CIRCLE APPROPRIATE BOXES:  WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.  ELECTRIC LOG OBTAINED.  WELLS CONVERTED TO PRODUCTION WELLS.  I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL PROVISIONS OF THE ABOVE-CAPTIONED "PERMIT TO DRILL WELLS", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF. DRILLER'S NAME: **[Signature]**