

5/18/93 - ASAP

PERMIT ✓

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49162

A 47661

DISTRICT 4th

DATE 4/20/93

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 313-2640

35331

INDEXED

DATE SYSTEM APPROVED 5/18/93

INSPECTOR CW

Dave Hopkins & Sons IS PERMITTED TO INSTALL ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION E. D. Warfield Property LOT 2 ROAD 16531 A. E. Mullinix Road

PROPERTY OWNER Donald and Jeanne Warfield

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 212

80
80
160

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 65 feet from the West (208.99') lot line and 110 feet from the North (183.43') lot line. Run trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/26/93 RH

PLANS APPROVED BY C. Williams DATE 7/13/92

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

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

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

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

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

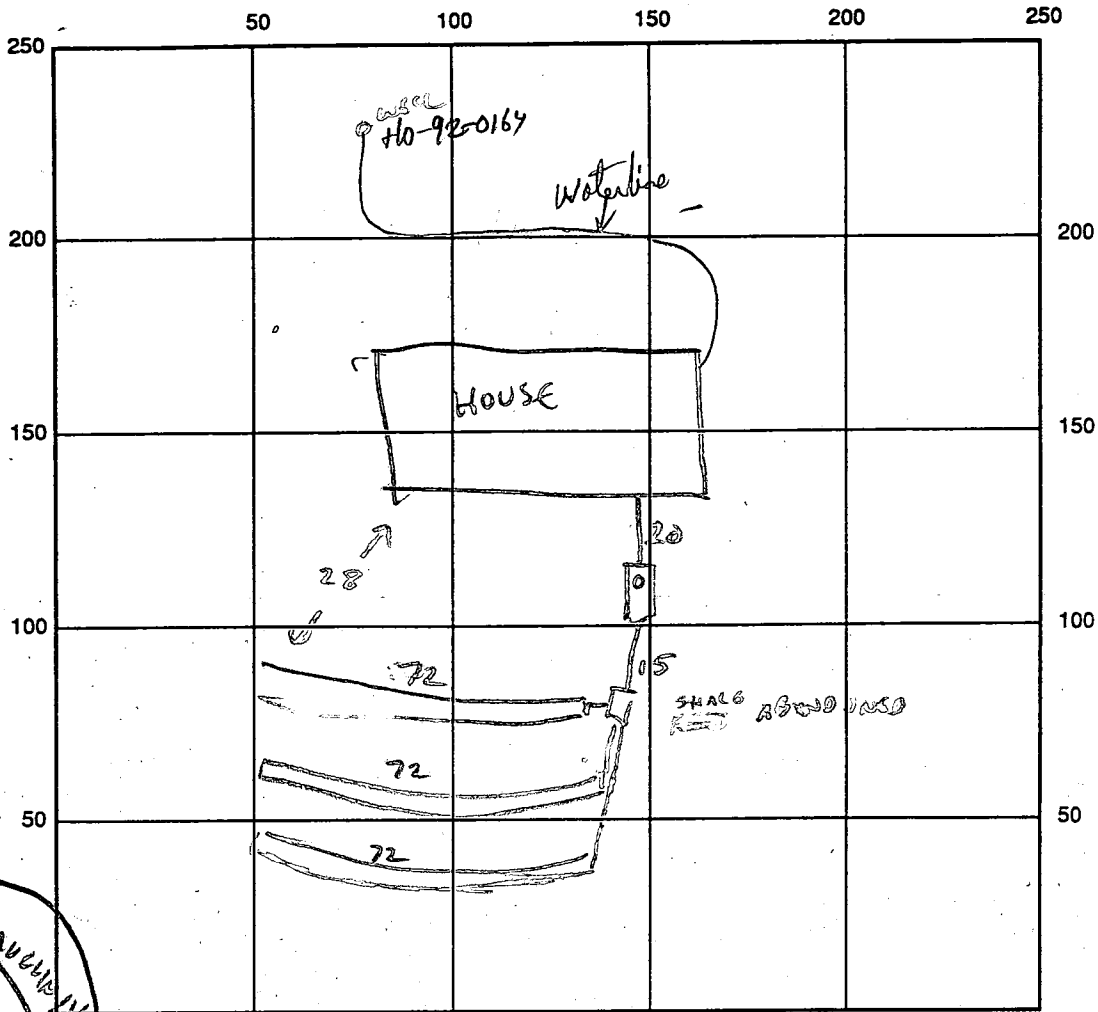
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

A
47661



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 CLEANOUTS

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 216 FT.

NUMBER OF TRENCHES 3 @ 72' ONE SIDEWALL/BOTTOM AREA 872 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 872 SQ. FT.

REMARKS: 5/18/93 1ST TRENCH OK TO ADD GRAVEL.
LAYOUT OF 2ND 2 TRENCHES CONFIRMED,
OK TO FINISH AND COVER. C. Williams

DATE SYSTEM APPROVED 5/18/93 INSPECTOR C. Williams

APPLICATION

12/17/91 10:00
12/17/91 TESTS NOT SUCCESSFUL
SEE OTHER SHEET

A 47661
P _____

THESE TESTS FOR NEW LOCATION PERCOLATION TESTING
SAME PROPERTY, OWNER ADVISED IT MAY BE DIFFICULT
(CW)

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

TO MAINTAIN REQUIRED 20' SEPARATION FROM STAGM.

DISTRICT _____
DATE 12/5/91

OR TO TEST NICKEST AVAL. AREA,
SATISFACTORY SOL. CONDITIONS MAY
STILL RESULT IN DENIAL IF SEPTIC
IS INSUFFICIENTLY DISTANCE FROM STAGM.

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER E. DONALD & MARY J. WARFIELD (Donald & Leanne Warfield)

ADDRESS 16539 A.E. MULLINIX RD. WOODBINE MD. PHONE 410-489-4683

PROSPECTIVE BUYER JOAN WARFIELD CARNEY

ADDRESS 13235 MATTIE HAINES RD. MT. AIRY MD. PHONE 301-929-0065

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 2

ROAD AND DESCRIPTION (16531 A.E. Mullinix Road)

TAX MAP 7 PARCEL # 132 BLDG. PERMIT SIGNED AND RETURNED 3/17/93
Serial # 47701-SFD

SIZE OF LOT 1 ACNE FROM 17 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. E Donald Warfield
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

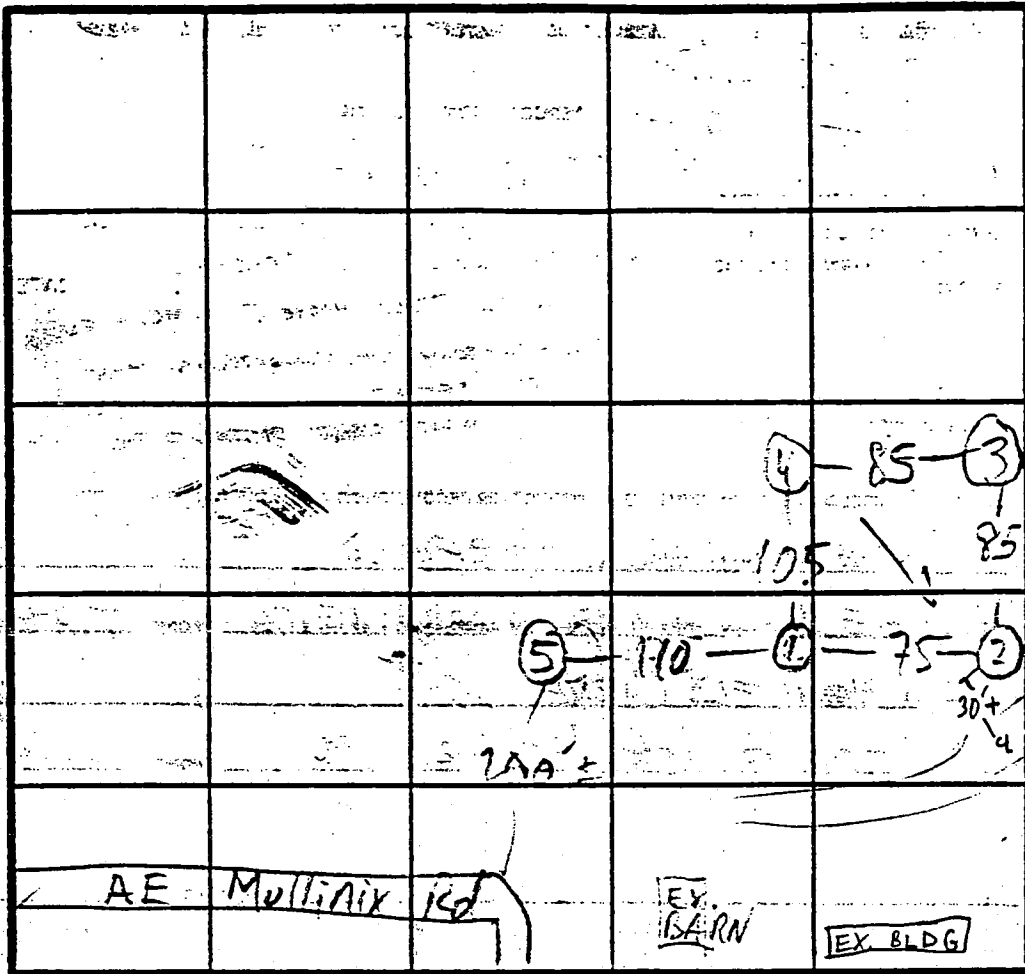
REASONS FOR REJECTION OR HOLDING REJECTED FOR DEEP CLAY TIGHT DISTANCE TO STREAM MR 12/18/91
SECOND ATTEMPT FOR PERC OK, HOLD FOR PLAT MR 1/10/92

THIS IS NOT A PERMIT

HD-216

SOIL PROFILE

0' 9" clay
 1' 1" m
 3' 7" brn
 5' 1" m
 10% - 20%
 sandstone
 frags



X=11
 210' BR
 Inlet 5'
 Bottom 7'

gradual
 slope

EX. HOUSE
 EX. SEPTIC

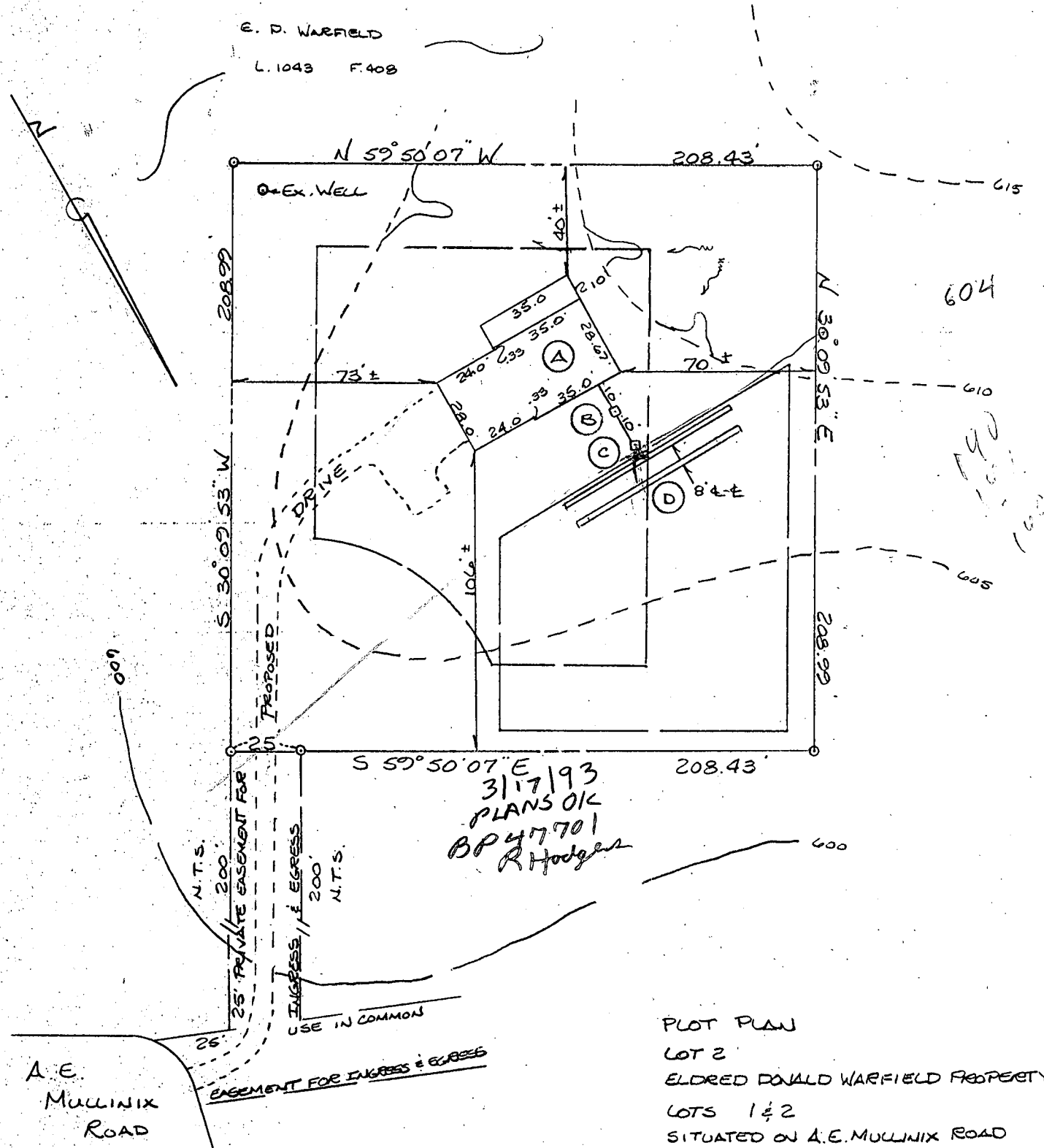
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/2/92	1 S M	5 1/2 8 1/2	10:26 10:25:30	11:04 10:28	12" RE DIG 10:28	10:32	4
	1 V	12	10:54 SEA	11:04 PROFILE	11:01	11:12	11
	2 S M	5 1/2 8 1/2	10:33 10:29:30	10:48 10:21	10:48 10:31	11:18 10:33	30 2
	2 V	11 1/2	sea profile				
	3 S M	5 1/2 8	10:44 10:37	10:52 10:42	10:52 10:42	11:08 10:52	16 10
	3 V	12	profile				
	4 S M	4 1/2 8 1/2	11:13 11:08	11:16 11:09	11:16 11:09	11:24 11:13	8 4
	4 V	12	profile				
	5 V	10 ±	10 ± HARD BOT - NOT TESTED				

REMARKS USE (1)-(4) ONLY HOLE (5) PER NEW PLAN. EXPAND 10' ON EACH SIDE FOR 10K A.

TESTED BY M. Riffkin ALSO PRESENT Sirk & Co., owner

- (A) PROP. 4-BED. HOUSE
FF. ELEV. = 611.5
BSMT. ELEV. = 606.1
INV. ELEV. = 604.9
- (B) PROP. SEPTIC TANK
EX. ELEV. = 609.0
INV. IN. = 604.8
INV. OUT. = 604.5
- (C) PROP. DIST. BOX
EX. ELEV. = 608.1
INV. ELEV. = 604.4
- (D) PROP. TRENCHES
INV. ELEV. = 604.1
4" STONE, 8" ROT. MAX.
LENGTH TO BE DETERMINED
AT TIME OF SEPTIC
PERMIT ISSUANCE.



3/17/93
PLANS OK
BP 47701
R. Hodges

PLOT PLAN
LOT 2
ELDRED DONALD WARFIELD PROPERTY
LOTS 1 & 2
SITUATED ON A.E. MULLINIX ROAD
ELECTION DISTRICT No 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' MARCH 1993



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.


LIBERTY SURVEY, INC.
4140 RIDGE ROAD
TAYLORSVILLE, MARYLAND

REFERENCE	JOB NO.
PLAT # 10426	93-67





410-875-0722 21157

N77725

The lots shown hereon comply with the minimum ownership width and lots required by the Maryland State Department of Health and Mental Hygiene.

 This area designated a private sewage easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on these building sites. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewer easement. Recordation of a modified sewerage easement shall not be necessary.

All percolation test holes shown hereon have been field located and shown thus:

-  PERC. TEST LOCATIONS
-  DATUM POINTS FROM PRELIMINARY PLAT.
-  PROPOSED SITE OF WELL
-  INDICATES DIRECTION OF SLOPE

DATA TAKEN FROM PERC. TEST REPORT AND FROM PRELIMINARY PLAT DTD 3-25-92

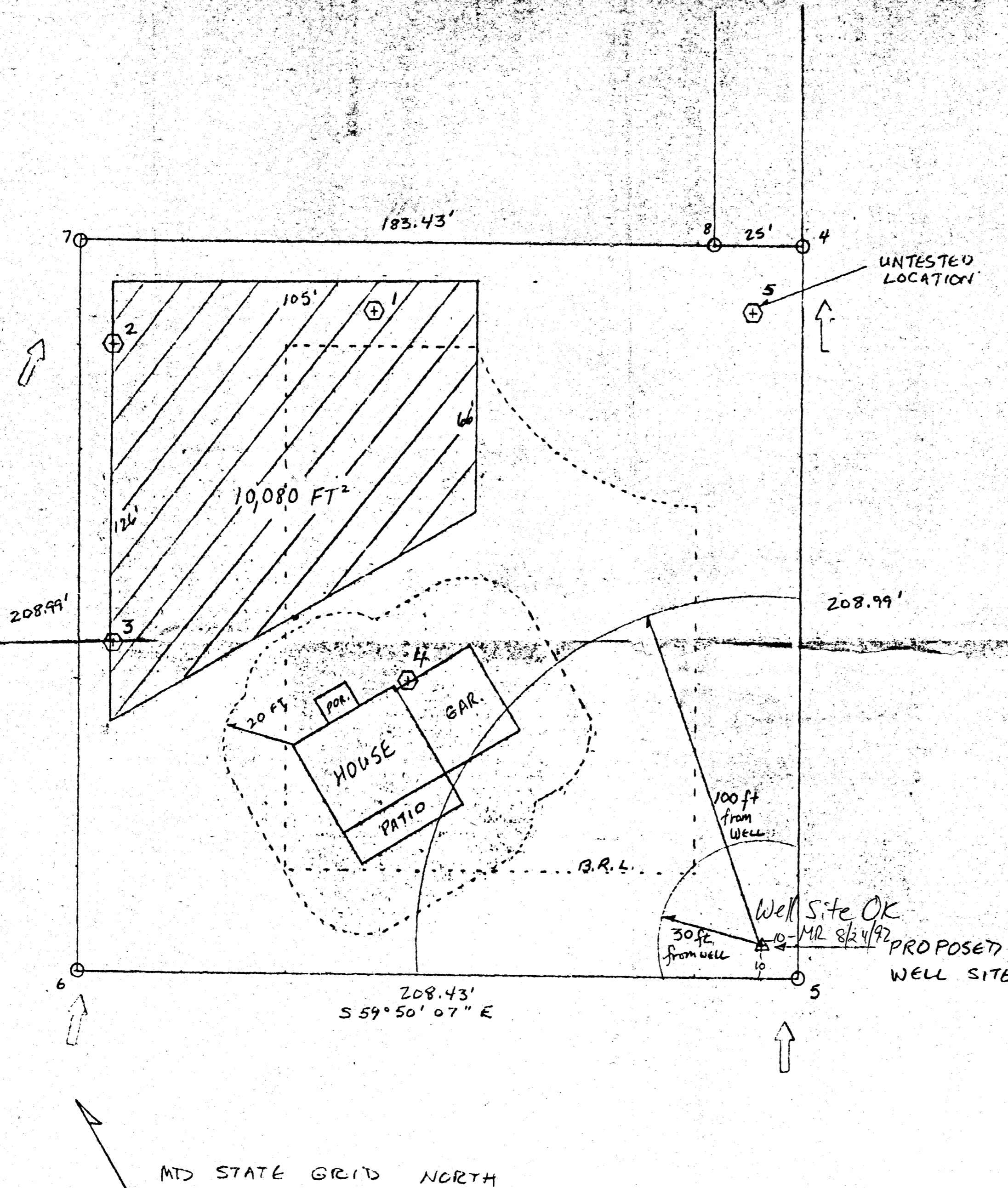
~~DRAWING SUBMITTED FOR~~
PERC TEST CERTIFICATION OF LOT #2 IN THE SUB-DIVISION OF THE (LORD) DONALD WARFIELD PROPERTIES

DB Warfield 4/29/92

DRAWN AND SUBMITTED BY

DONALD B. WARFIELD
7569 JOHN PICKETT RD.
WOODBINE MD 21797
PH - 410 795 3705 - (H)
301 698 4372 - D

ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' OF PROPERTY BOUNDARIES HAVE BEEN SHOWN



MD STATE GRID NORTH

SCALE: 1 mm = 1 foot

TITLE:
PERCOLATION TEST PLAT
LOT # 2, E.D. WARFIELD PROP.
APPLICATION #A 47661
A.E. MULLINX RD TRK MAP 7 P.132

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

John A. Bell
HOWARD COUNTY HEALTH OFFICER DATE 7-14-92

C1 6757 SEQUENCE NO. (DENY USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.
COUNTY NUMBER A47661

ST/CO USE ONLY
DATE Received [] [] [] [] [] []
DATE WELL COMPLETED 090392

Depth of Well 205
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO-92-0169

OWNER Warfield last name Donald first name
STREET OR RFD AE Mullins
SUBDIVISION E.W. WARFIELD PDDP SECTION LOT 2 TOWN Lisbon

WELL LOG
Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
TOP SOIL	0	2	
Brown SLATE	2	25	
Brown SLATE	27	30	
Blue SLATE	30	40	
Brown SLATE	40	45	✓
Blue SLATE	45	100	
Brown SLATE	100	105	✓
Blue SLATE	105	205	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 8 NO. OF POUNDS 800
GALLONS OF WATER 48
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 ft.

CASING RECORD
casing types insert appropriate code below
ST CO STEEL CONCRETE
PL OT PLASTIC OTHER

MAIN CASING TYPE PL
Nominal diameter top (main) casing (nearest inch) 6
Total depth of main casing (nearest foot) 35

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

SCREEN RECORD
screen type or open hole insert appropriate code below
ST BR HO STEEL BRASS OPEN HOLE
PL OT PLASTIC OTHER

DEPTH (nearest ft.) 205
SLOT SIZE 3
DIAMETER OF SCREEN (NEAREST INCH) [] [] [] []
from to

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q
70 [] 72 [] 74 [] 75 [] 76 []
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 9
PUMPING RATE (gal. per min. to nearest gal.) 19
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 42 WHEN PUMPING 44
TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

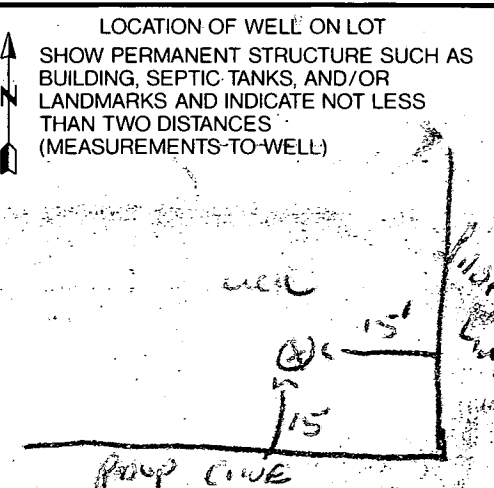
PUMP INSTALLED
DRILLER WILL INSTALL PUMP YES NO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:
CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER
PUMP COLUMN LENGTH (nearest ft.)
CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 2 (nearest foot)

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. []
DRILLERS SIGNATURE [Signature]
(MUST MATCH SIGNATURE ON APPLICATION)

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





well on water treatment

LIMITED WARRANTY

This warranty applies to water softeners, water filters and reverse osmosis drinking water systems manufactured and/or supplied by Bruner Corporation.

Any part or parts of the product, specified below by model and serial numbers, and installed as outlined by the installation manual supplied with the product found to be defective within the warranty period shall be repaired or replaced at no charge to the buyer or any subsequent owner during the warranty period, provided the product remains at the original installation site. The warranty shall exist from date of installation or eighteen months from date of manufacture for the following periods:

PERIOD	ITEM Softeners or Filters
10 Years	Fiberglass media tank (pressure vessel, excluding media)
10 Years	Salt storage tank
10 Years	Regenerant tank
5 Years	Control valve body
3 Years	Internal valve parts, timer assembly
1 Year	Timer motor, brine assembly, brine float valve, and all component parts.
	Drinking Water Systems
1 Year	Reverse osmosis drinking water system, excluding reverse osmosis membrane, prefilter and postfilter elements. A reverse osmosis drinking water system will not be defective if a minimum of 70% T.D.S. is rejected for a period of one year provided the system is installed within the operating parameters of the reverse osmosis system.

Repair or replacement of a defective in warranty part or unit will be prorated from date of original installation.

A customer who believes that a warranty claim exists must contact Bruner Corporation at 500 West Oklahoma Avenue, Milwaukee, Wisconsin 53207 for authorization to return the part or item for repair or replacement.

This warranty excludes: (a) Labor, transportation and related costs incurred by the consumer to make the allegedly defective equipment available for repair or replacement; (b) Reinstallation costs of repaired or replacement equipment; (c) Consequential damages of any kind; (d) Reimbursement for loss caused by interruption of service.

SERIAL NUMBER: _____

Model L.P.R.O.

MODEL NUMBER: _____

SERIAL NO. 3060309

DATE INSTALLED: 27 June '93

DEALER: W.R.F. The Plumber
Mt Airy N.C.