

12/12/91  
12:00

# PERMIT

# 32 3769

P 47628

## SEWAGE DISPOSAL SYSTEM

A 44967

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 4th

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

DATE 11/20/91

DATE SYSTEM APPROVED 12/12/91

INSPECTOR M. Rifkin

INDEXED

Arnold Backhoe & Septic Services, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS P. O. Box 15, Woodbine, Maryland 21797 PHONE 795-7873

SUBDIVISION Robert A. Mullinix Prop. LOT ROAD 16845 Hardy Road

PROPERTY OWNER Mr. Robert A. Mullinix

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 108

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins 4 feet below original grade 5 feet of stone below distribution pipe

LOCATION - Starting from front left lot corner, place distribution box 50' down left lot line and 195 feet off this same lot line. Run trenches on-contour toward left side of lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Mr. Mark Rifkin cm DATE 10/20/89  
10-17-91 OK to start septic system 10ft to 15ft upland of sewage disposal area. JEN

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

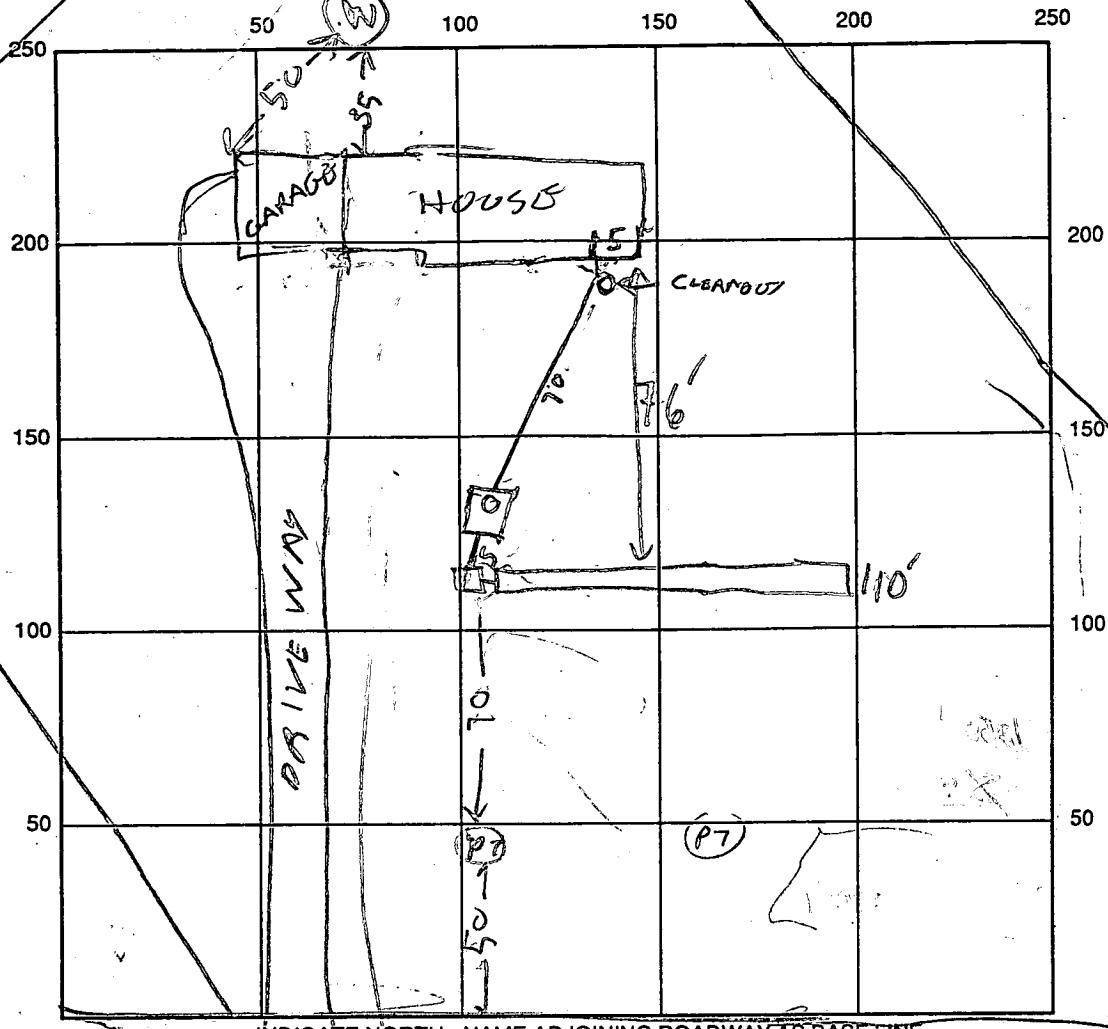
PERMIT VOID AFTER TWO YEARS

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**

44967



(P7) = PERM TEST

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
HARDY RD

SEPTIC TANK LEVEL OK 1500 CLEANOUTS OK  
 DISTRIBUTION BOX LEVEL OK - BARRLE W  
 DRAIN FIELD/TITLE DEPTH 9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.  
 EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 110 FT.  
 NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 550 SQ. FT.  
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA 550 SQ. FT.

REMARKS: 12/12/91 1138AM - OK TO COVER TANK & HOUSE SEWER  
FINISH TRENCH - PUT PERMIT CARD IN BOX  
12/12/91 #2 OK TO COVER ALL MR

DATE SYSTEM APPROVED 12/12/91 INSPECTOR M. Ripkin

# APPLICATION

PERCOLATION TESTING

A 44967  
P \_\_\_\_\_

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

RECONFIGURED BY  
ADJOINING CONVEYANCE  
NO IMPACT ON  
SEPTIC OK TO PROCEED.

DISTRICT \_\_\_\_\_  
DATE 9/19/89

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 Robert Allen Mullinix Jr.

ADDRESS 16645 Frederick Rd. Mt. Airy Md. 21771 PHONE 489-4618

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

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

ROAD AND DESCRIPTION Hardy Rd.

TAX MAP 7 PARCEL # 81

SIZE OF LOT 3+ Acres TYPE BLDG S.F.D.  
(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. Robert Allen Mullinix Jr.  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 10-3-89 Pending perc hole locations and plat approval JEN

REG. PERMIT SIGNED  
AND RETURNED 10/19/89  
Serial # 35771  
SFD

# THIS IS NOT A PERMIT

HD-216

10/3/89  
10 AM

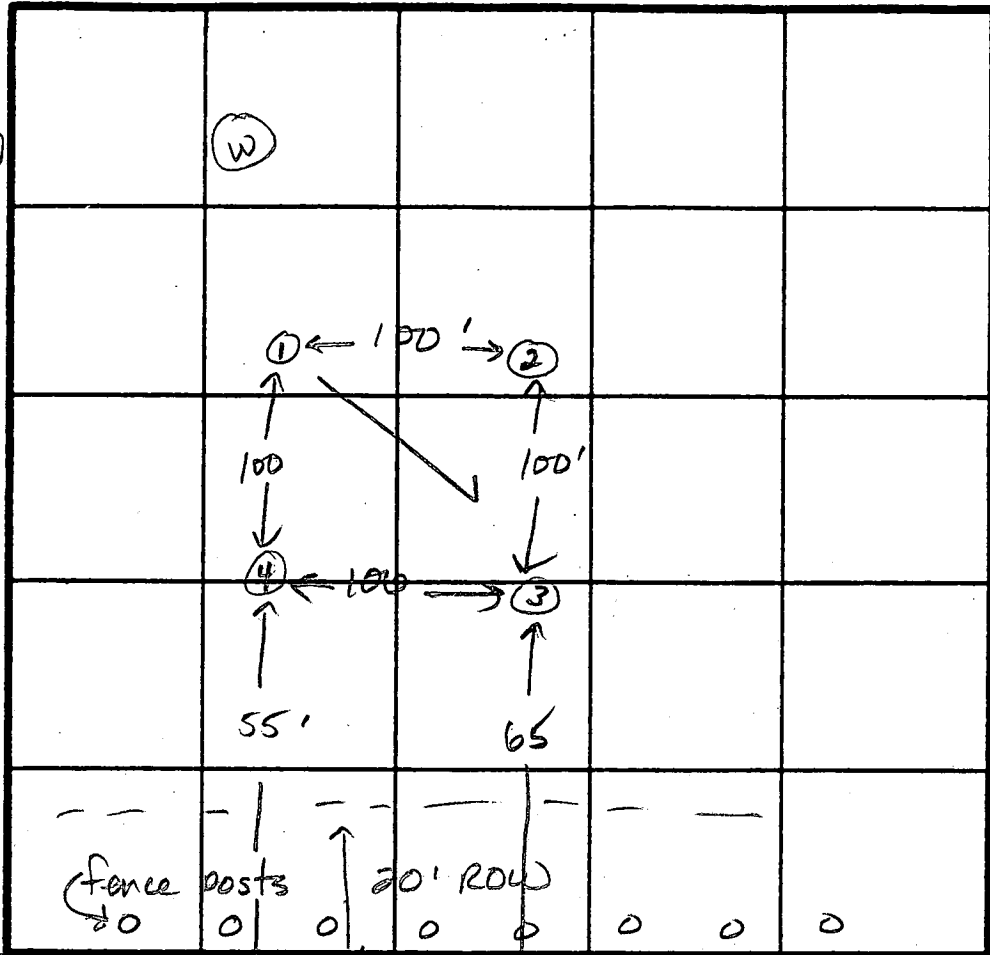
A44967

① ② ④ ③  
SOIL PROFILE

0-4.0 Rd-br  
sl cl lm,  
little  
broken  
rock  
≤ 5%

4.0-15.0 Rd-sa  
sl lm  
little  
broken  
rock  
≤ 20%

15.0 Bottom



Highest 1  
2  
4  
Low 3

$\bar{X} = 8$   
180 BR  
Inlet 4'  
Bottom 8'

To Rt  
1/4

center rd. INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE  
CL Hardy Road CL

Sharp Bend

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
10-3-89	1	5.0 S	10:12	10:16	10:16	10:21	5 min
		11.0 M	10:12	10:21	10:21	10:40	19 min
		15.0 D	Bottom (no structure)				ok
	2	5.0 S	10:18	10:21	10:21	10:29	8 min
		11.0 M	10:19	10:22	10:22	10:26	4 min
		15.5 D	Bottom (≤ 10% or x, no struct)				ok
	4	5.5 S	10:23	10:31	10:31	10:35	4 min
		15.0 D	Bottom (≤ 15% or x, no struct)				ok
↓	3	6.0 S	10:37	10:39	10:39	10:45	6 min
		15.0 D	Bottom (≤ 10% or x, clay to 6')				ok

REMARKS All holes similar soils, no structure to rock frags.

TYPE OF SOIL 0-4 Rd-br sl cl lm 4-15.0 Rd sa sl lm ≤ 20% or x

TESTED BY J. Nadeau

ALSO PRESENT Robert Mullinex  
Wayne Eckard-Arnold's

C1. 1192 SEQUENCE NO. (DENV USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A 44767

ST/CO USE ONLY  
 DATE RECEIVED

DATE WELL COMPLETED  
 12 05 89

Depth of Well  
 22 160 26  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
 HD-88-1083

OWNER *R. Allen*  
 STREET OR RFD last name first name TOWN *Liberty*  
 SUBDIVISION SECTION LOT

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	2		
B <sub>1</sub> Shale	2	30	
B <sub>2</sub> Slate	30	80	✓
B <sub>3</sub> Slate	80	160	

GROUTING RECORD  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES  NO   
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY

NO. OF BAGS *16* NO. OF POUNDS *1600*  
 GALLONS OF WATER *80*  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 45 ft.

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

MAIN CASING TYPE *SA* Nominal diameter top (main) casing (nearest inch) *4* Total depth of main casing (nearest foot) *160*

OTHER CASING (if used) diameter inch depth (feet) 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.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	

SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN (NEAREST INCH) from to

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. *4*  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

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

C 3

PUMPING TEST  
 HOURS PUMPED (nearest hour) *3*  
 PUMPING RATE (gal. per min. to nearest gal.) *15*  
 METHOD USED TO MEASURE PUMPING RATE *Direct*  
 WATER LEVEL (distance from land surface) BEFORE PUMPING *20*

WHEN PUMPING *73*  
 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 LAND SURFACE (nearest foot)  
 (-) below

LOCATION OF WELL ON LOT  
 SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

COUNTY

See Plot



11/25/91 noon

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement   
Receipt # 47629  
Date 11-18-91  
Name of Installer Edmond H. Rhodes Jr. Telephone 253.3303  
License Number 2375  
Certified Well Pump Installer  Well Driller  Registered Plumber   
Name of Property Owner Robert Allen Mullinix Jr. Telephone 489-4618  
Subdivision \_\_\_\_\_ Lot # \_\_\_\_\_ Well Tag # #0-88-1083  
Site Address 16845 Hardy Rd. Mt. Airy Md. 21771

Pump Motor Pitless Adapter  
1. Type 1. Horsepower 1/2 1. Make Campbell Martinson  
a. Deep well jet \_\_\_\_\_ 2. RPM \_\_\_\_\_ 1. Make ~~Martinson~~ Pressurized  
b. Shallow well jet \_\_\_\_\_ 3. Voltage \_\_\_\_\_ 2. Model # BT 10X  
c. Submersible  a. 110 \_\_\_\_\_ 3. Depth 42"  
2. Make Deming b. 220   
3. Model # P3ALR-10-JH  
4. Capacity 3 GPM  
5. Pump exceeds well capacity Yes \_\_\_\_\_ No   
6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No \_\_\_\_\_  
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other \_\_\_\_\_

Tank Piping Well data  
1. Capacity 42 1. Type Plastic 1. Depth 160 ft.  
2. Pressure relief valve? Yes 2. Size 1" 2. Yield 5 GPM  
3. NSF and/or BOCA Code approved  3. Static water level 32 ft.  
4. Depth of supply line 42" 4. Will water supply be disinfected by installer? No.

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Robert Allen Mullinix Jr.

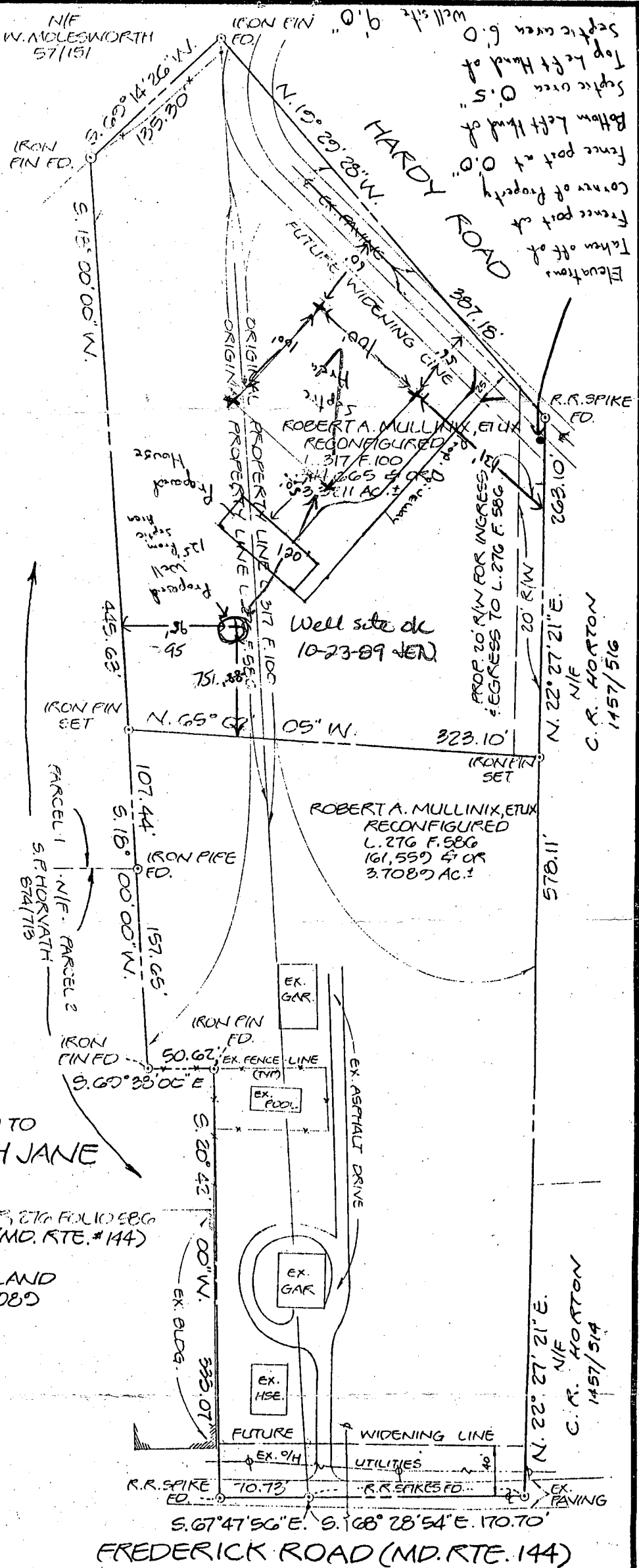
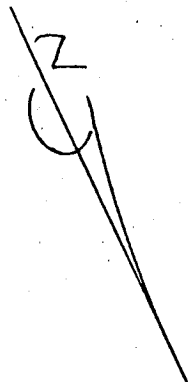
Date: 11-18-91

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215 11/25/91 OK TO COVER OUTSIDE WORK RH  
PRESSURE TANK NOT YET INSTALLED

NIF  
G.W. MOLESWORTH  
57/151

Septic area 6.0  
Top Left Hand of  
Septic area 0.5  
Bottom Left Hand of  
Fence post at 0.0  
Corner of property  
Fence post at  
Taken off of  
Elevations



PLAT OF SURVEY  
OF THE LANDS CONVEYED TO  
**ROBERTA & SARAH JANE  
MULLINIX**

LIBER 317 FOLIO 100 & LIBER 276 FOLIO 586  
16645 FREDERICK ROAD (MD. RTE. #144)  
ELECTION DISTRICT N°4  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' JULY 1989



7/12/89

FREDERICK ROAD (MD. RTE. 144)

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.



**VANMAR  
ASSOCIATES INC**  
Engineers • Surveyors • Planners  
310 South Main Street, Mount Airy, Maryland 21771  
(301) 829-2890 (301) 831-5015

REFERENCE	JOB NO.
LIBER 317 FOLIO 100 & LIBER 276 FOLIO 586	251-222

N 1855F

A) PROPOSED HOUSE

F.F. Elev.=758.5'  
 Bsmt. Elev.=750.5'  
 Inv. Out=748.3'

B) PROPOSED SEPTIC TANK

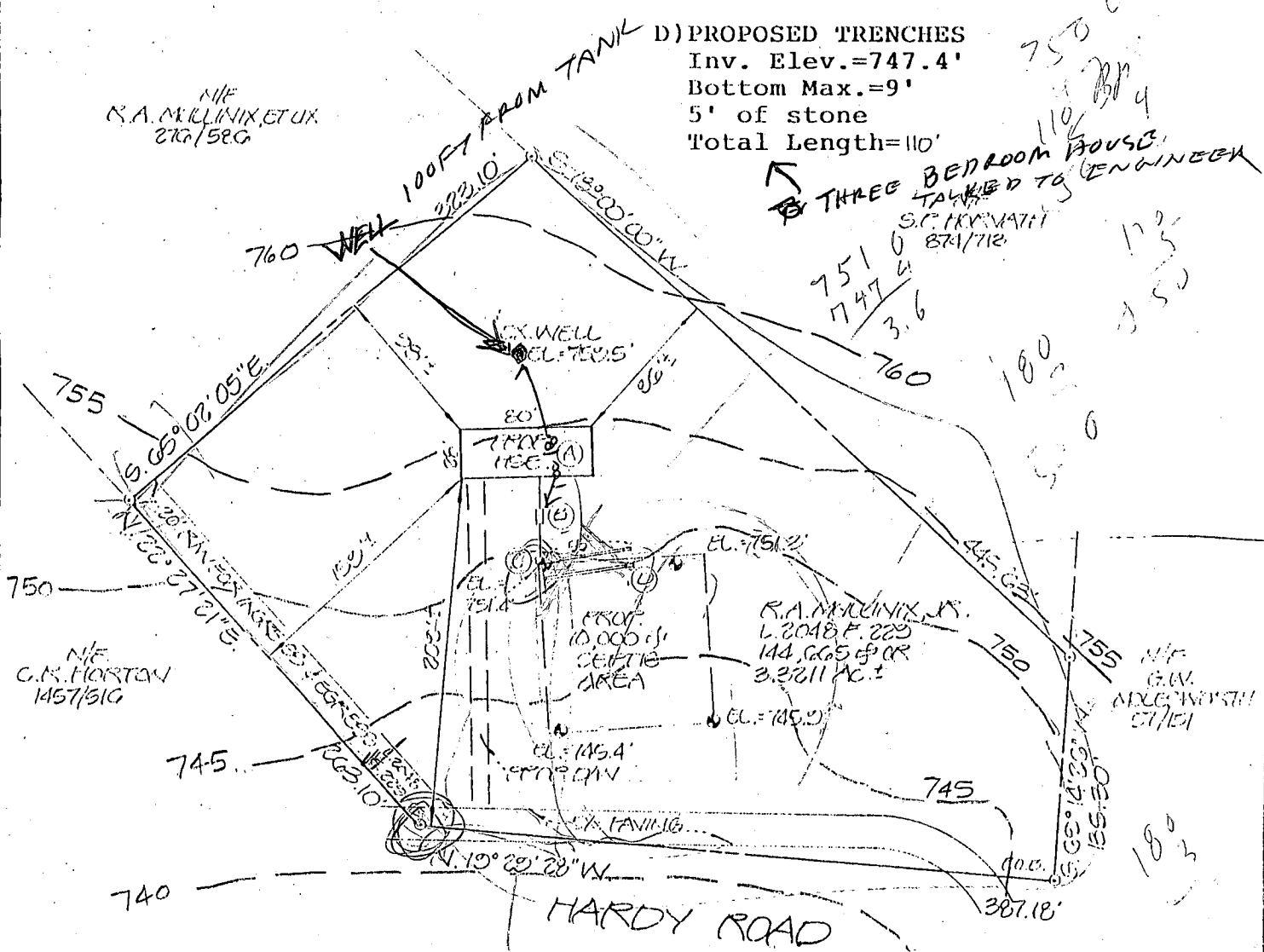
Ex. Elev.=752.8'  
 Inv. Elev.=748.1' (in)  
 Inv. Elev.=747.8' (out)

C) PROPOSED DIST. BOX

Ex. Elev.=751.4'  
 Inv. Elev.=747.6'

D) PROPOSED TRENCHES

Inv. Elev.=747.4'  
 Bottom Max.=9'  
 5' of stone  
 Total Length=110'



- ① Show Location of Existing Well
- ② Write Exact length of Trencher to be determined at time of septic permit issuance

10/19/90 PLANS OK

*R. Hodges*

PLOT PLAN  
 OF LANDS CONVEYED TO  
 ROBERT ALLEN MULLINIX, JR.  
 LIBER 2048 FOLIO 229  
 16815 HARDY ROAD  
 ELECTION DISTRICT N:4  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1"=100' OCT 1990



10/12/90

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.



**VANMAR ASSOCIATES INC.**  
 Engineers • Surveyors • Planners  
 310 South Main Street, Mount Airy, Maryland 21771  
 (301) 829-2890 (301) 831-5015

REFERENCE	JOB NO.
L. 2048 F. 229	251-232