

8/8/96  
10/10 & later

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

OS-408040

P 57040  
37381  
A 64609

DISTRICT 5th

DATE 7-23-96

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

313-2640

DATE SYSTEM APPROVED 8-8-96

INSPECTOR DKS

INDEXED

William H. Smith, Jr.

IS PERMITTED TO INSTALL X ALTER

ADDRESS P.O. Box 330 Forest Hill, MD 21050 PHONE (410) 879-7641

SUBDIVISION Dunfarmin Estates LOT 11 ROAD 5525 Smallwood Court

PROPERTY OWNER John and Olga Christodovites

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 160

TRENCHES - Trench to be 2 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4.5 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION - Start the first trench 360' down the long left (483.06') (~~483~~) lot line and 50' off that lot line. Run trenches along contour toward left and right lot line.

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

PLANS APPROVED BY Craig Williams/Glen Savage DATE 5/8/89, 4/24/96

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

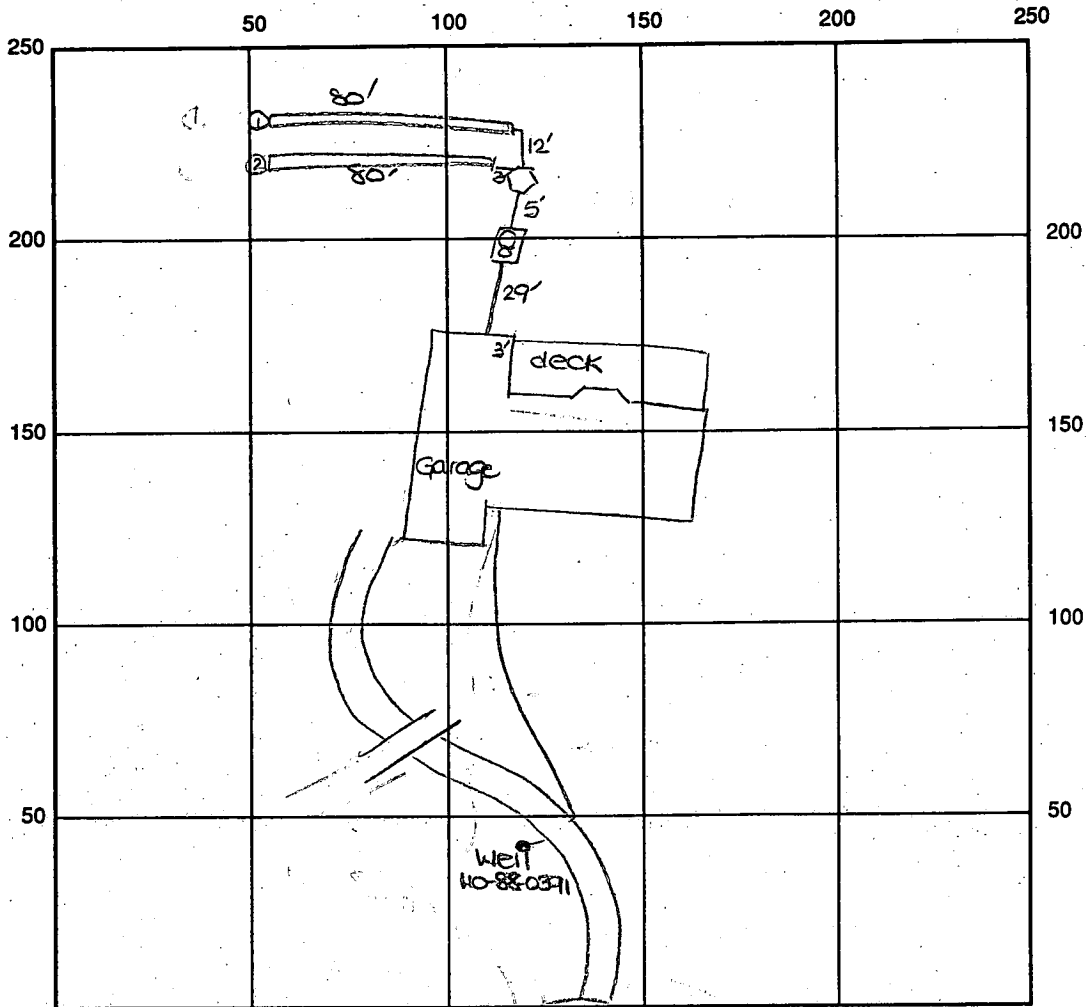
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

HD-260(6-90)

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

BLDG. PERMIT SIGNED  
AND RETURNED 9/25/96  
*Serial # B7102379 dech*

A 37381



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 End of Smallwood St.

SEPTIC TANK LEVEL OK - 1250 gallons CLEANOUTS one on s.t., manhole on s.t.

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 4.5 FT. TOTAL LENGTH 80' 80' FT. → 160

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA 720 SQ. FT.

REMARKS: 8/8/96 A.M. OK to stone trenches and continue work. DKS

8/8/96 FINAL - OK to cover all work. DKS

DATE SYSTEM APPROVED 8/8/96

INSPECTOR Donna K Seal

# APPLICATION

A 37381

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 358

DATE 7-14-86

TEST. W.S. ONLY

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 JAMES SILVERMAN John & Olga Chas. & Ludov. Kas  
S. Turner Nichols & James S. Nichols

ADDRESS 13576 Treadelphin Mill Road PHONE 531-2505  
Clarksville

PROPERTY LOCATION:

SUBDIVISION Dunfardin LOT NO. 11

ROAD AND DESCRIPTION Free Simple Flag Stone lot, off new street, from Ten Oaks Road, (Maudslaw)

SIZE OF LOT 3 AC 5525 Smallwood Ct. TYPE BLDG. \_\_\_\_\_  
NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT James S. Nichols S.F.D-4 BRMS.  
**BLDG. PERMIT SIGNED**  
**AND RETURNED** 4-25-96  
Serial # 64609

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

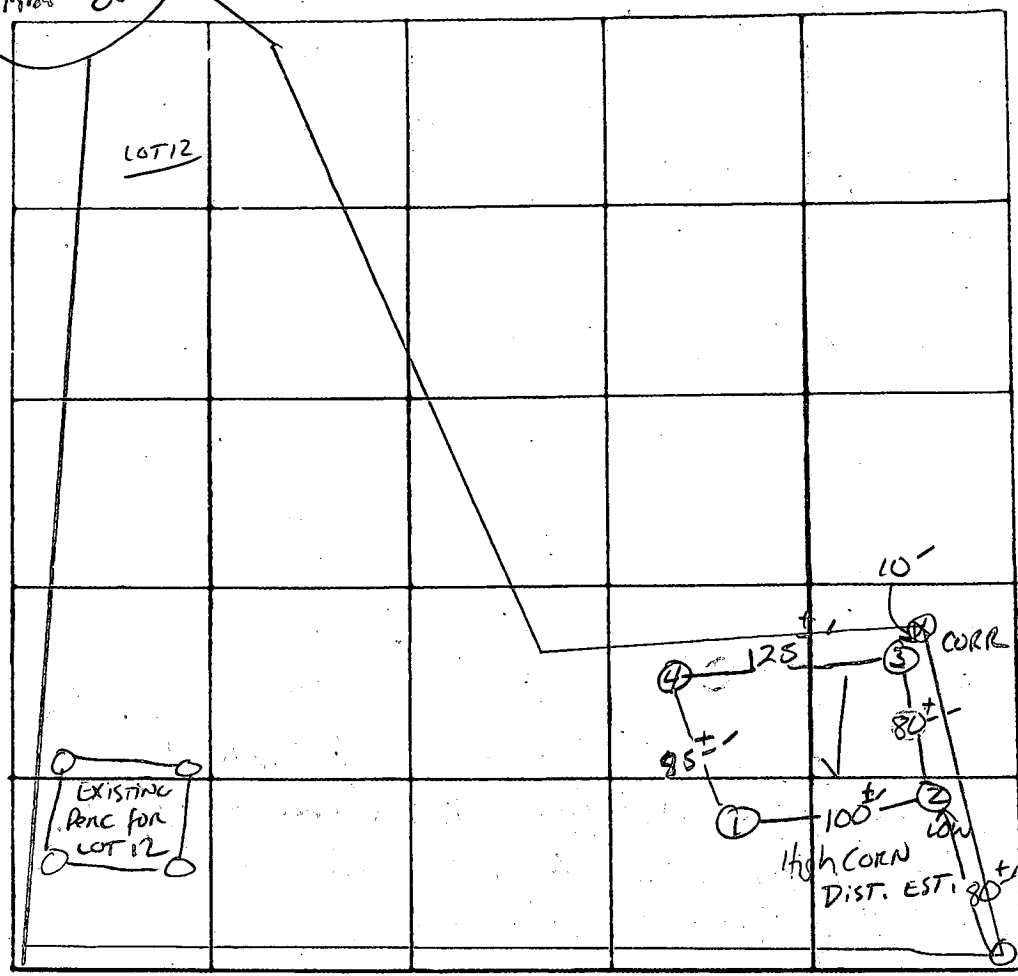
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 8-28-86 PERC SATISFACTORY, HOLD FOR SUBDIVISION PLAT - LOT WILL REQUIRE REDESIGN TO SEPARATE 2 FIELDS ON THIS LOT INTO TWO LOTS. S. AND

**BLDG. PERMIT SIGNED**  
**AND RETURNED** 6-1-89  
BP 26391

# THIS IS NOT A PERMIT

③  
① ②  
AP  
12" RED BROWN  
SILT LOAM 9-12%  
CLAY 210%  
FRAGMENTS  
4.5" YELLOW BR  
SILT LOAM  
HIGHLY  
MICACEOUS  
10-15%  
FRAGMENTS



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/28/86	1 S	4.5	12:51	12:53	12:53	12:56	3 MIN
	1 V	13.5	un. form soil below 4.5'				
	2 S	4.5	12:58	12:59	12:59	1:00	1 MIN
	2 V	12.5	SAME AS #1				
	3 S	5'	1:10	1:11	1:11	1:12	1 MIN
	3 M	9'	1:10	1:11	1:11	1:13	2 MIN
	3 V	13'	SAME AS #1+2 w/ PINK CASTS				
	4 V	13'	SAME AS #3				

X PERC  
2 MIN  
INLET  
4.5'  
BOTTOM  
9'  
18:0 A/BR

REMARKS HOLES ON LOT 12 TO BE DIVIDED INTO 2 LOTS IF POSSIBLE  
 TYPE OF SOIL Glenely  
 TESTED BY S. Abel ALSO PRESENT: JACK FYBCK

C1 2373 SEQUENCE NO. (OEP USE ONLY)  
1 2 3 4 5 6  
(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 A37381

DATE Received [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] DATE WELL COMPLETED 050989  
Depth of Well 22 365 26 (TO NEAREST FOOT)  
PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-88-0391

OWNER Utility Construction  
STREET OR RFD SMALLWOOD Ct. first name TOWN CLARKSVILLE  
SUBDIVISION DUNFARMIN SECTION LOT 11

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 FROM TO Check if water bearing

SAND Stone	0	39	
GRAY MICA ROCK	39	365	

*2 dry wells 360', 365'  
filled in with  
Cement + drilling  
materials.*

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N  
TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC  
NO. OF BAGS 8 NO. OF POUNDS 752  
GALLONS OF WATER 48  
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 35 ft.

CASING RECORD casing types insert appropriate code below  
STEEL CO PL OT  
PLASTIC OTHER  
MAIN CASING TYPE S+ Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 44

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

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

DEPTH (nearest ft.) H0 43 365  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN (NEAREST INCH)

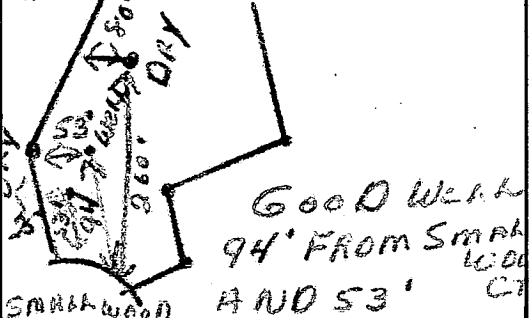
GRAVEL PACK from to  
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
T (E.R.O.S.) WQ  
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST  
HOURS PUMPED (nearest hour) 6  
PUMPING RATE (gal. per min. to nearest gal.) 101  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface) BEFORE PUMPING 15 WHEN PUMPING 287  
TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other 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) LAND SURFACE (nearest foot)

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)



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 10.17.13 "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. 238  
DRILLERS SIGNATURE [Signature]  
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 88-0391  
 Location of property (road) SMALL WOOD COURT  
 Subdivision PUNFARMIN EST Lot 11 Block - Plat - Sec. -  
 Well Driller J. L. MAYNE Owner UTILITY CONSTRUCTION

Depth of well 365'  
 Distance of measuring point (M.P.) above ground 1'  
 Static water level (S.W.L.) below M.P. 15'

**I. High rate pumping -- reservoir drawdown**

Time pump started 7:25 Pumping rate 15 G.P.M.  
 Total time 45 MIN. to reach pumping water level 286 ft. below M.P.

**II. Recovery pump test data - observations to be recorded every 15 minutes**

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE, time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:40	132	4 sec.	N/A	15 G.P.M.
7:55	223	9		15
8:10	286	5		12
8:25	286	50		1.2
8:40	286	50		1.2
8:55	286	50		1.2
9:10	286	50		1.2
9:25	286	50		1.2
9:40	286	50		1.2
9:55	286	50		1.2
10:10	287	50		1.2
10:25	285	54		1.1
10:40	285	54		1.1
10:55	285	54		1.1
11:10	285	54		1.1
11:25	284	54		1.1
11:40	284	54		1.1
11:55	283	54		1.1
12:10	284	54		1.1
12:25	284	54		1.1
12:40	284	54		1.1
12:55	283	54		1.1
1:10	283	54		1.1
1:25	283	54		1.1
HD-224 1:40	283	54		1.1
1:55	284	54		1.1
2:10	283	54		1.1

8/8/96 10:00

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 X Replacement \_\_\_\_\_  
Receipt # \_\_\_\_\_  
Date 7-23-96  
Name of Installer Wm. H. Smith Jr Telephone 410-879-7641  
License Number PF 58  
Certified Well Pump Installer X Well Driller \_\_\_\_\_ Registered Plumber \_\_\_\_\_  
Name of Property Owner John Christodouites Telephone \_\_\_\_\_  
Subdivision DUNFARMIN Lot # 71 Well Tag # HO-88-0391  
Site Address 3525 Smallwood Ct

Pump Motor Pitless Adapter  
1. Type 1. Horsepower \_\_\_\_\_ 1. Make \_\_\_\_\_  
a. Deep well jet \_\_\_\_\_ 2. RPM \_\_\_\_\_ 2. Model # \_\_\_\_\_  
b. Shallow well jet \_\_\_\_\_ 3. Voltage \_\_\_\_\_ 3. Depth \_\_\_\_\_  
c. Submersible \_\_\_\_\_ a. 110 \_\_\_\_\_  
2. Make \_\_\_\_\_ b. 220 \_\_\_\_\_  
3. Model # \_\_\_\_\_  
4. Capacity \_\_\_\_\_ 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 \_\_\_\_\_

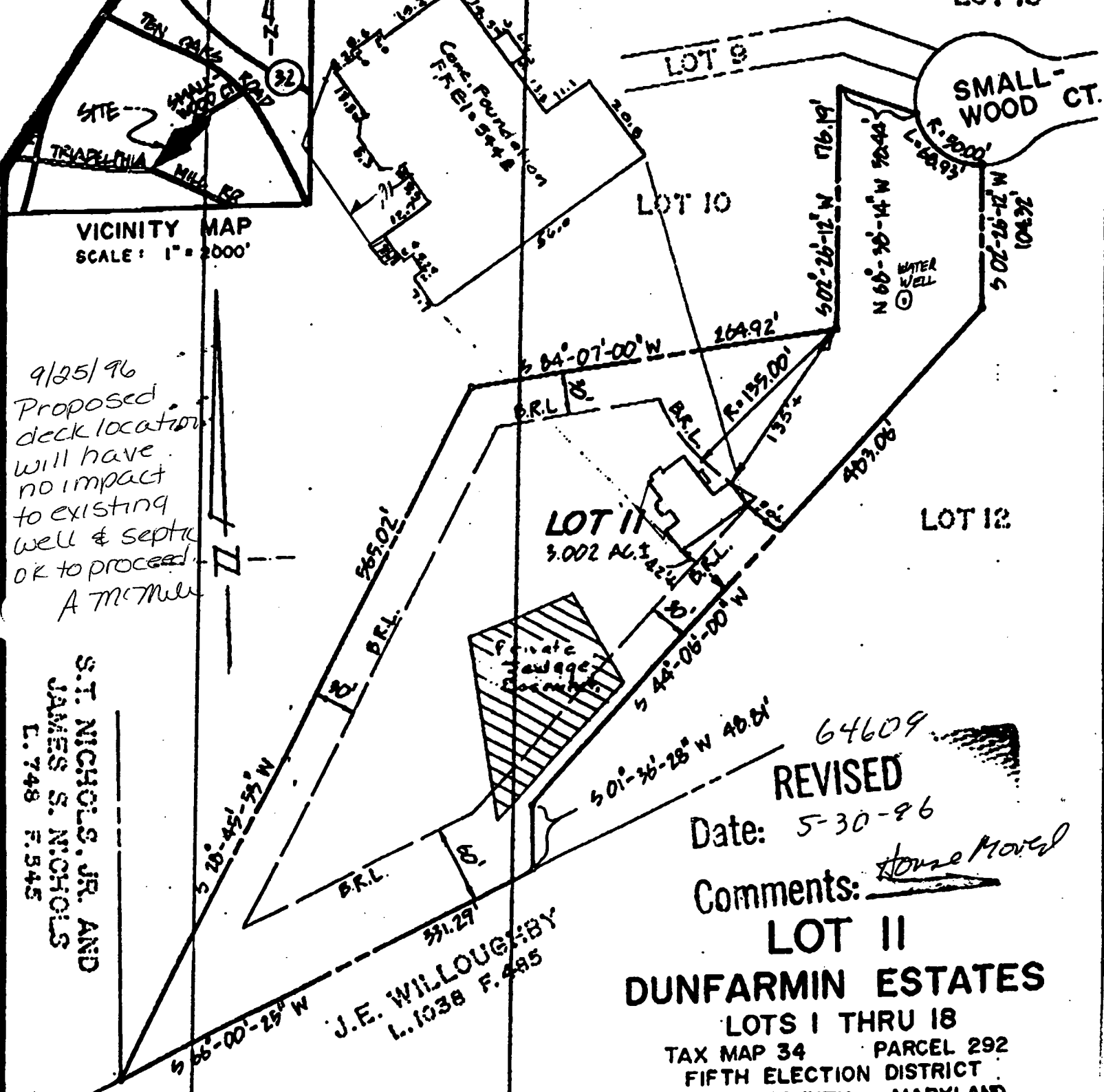
Tank Piping Well data  
1. Capacity \_\_\_\_\_ 1. Type \_\_\_\_\_ 1. Depth \_\_\_\_\_ ft.  
2. Pressure relief valve? \_\_\_\_\_ 2. Size \_\_\_\_\_ 2. Yield \_\_\_\_\_ GPM  
3. NSF and/or BOCA Code approved \_\_\_\_\_ 3. Static water level \_\_\_\_\_ ft.  
4. Depth of supply line \_\_\_\_\_ 4. Will water supply be disinfected by installer? \_\_\_\_\_  
8/8/96  
P.A. well line 4' below grade. Well casing 8" above grade. Well line sleeved under drive. ok to cover. DKS

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: William H. Smith  
Date: 7-23-96

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

Note: This is a building and improvement plat only and should not be used to establish property lines.



9/25/96  
Proposed deck location  
will have  
no impact  
to existing  
well & septic  
OK to proceed.  
A.M.M.

S.T. NICHOLS, JR. AND  
JAMES S. NICHOLS  
L. 748 F. 345

64609  
REVISED  
Date: 5-30-96  
Comments: House Moved

**LOT II**  
**DUNFARMIN ESTATES**  
LOTS I THRU 18  
TAX MAP 34 PARCEL 292  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' MAY 1985

**SURVEYORS CERTIFICATE**

I hereby certify that a careful transit tape survey has been made of the improvements on the property shown hereon and that they are as shown and that there are no encroachments except as shown.

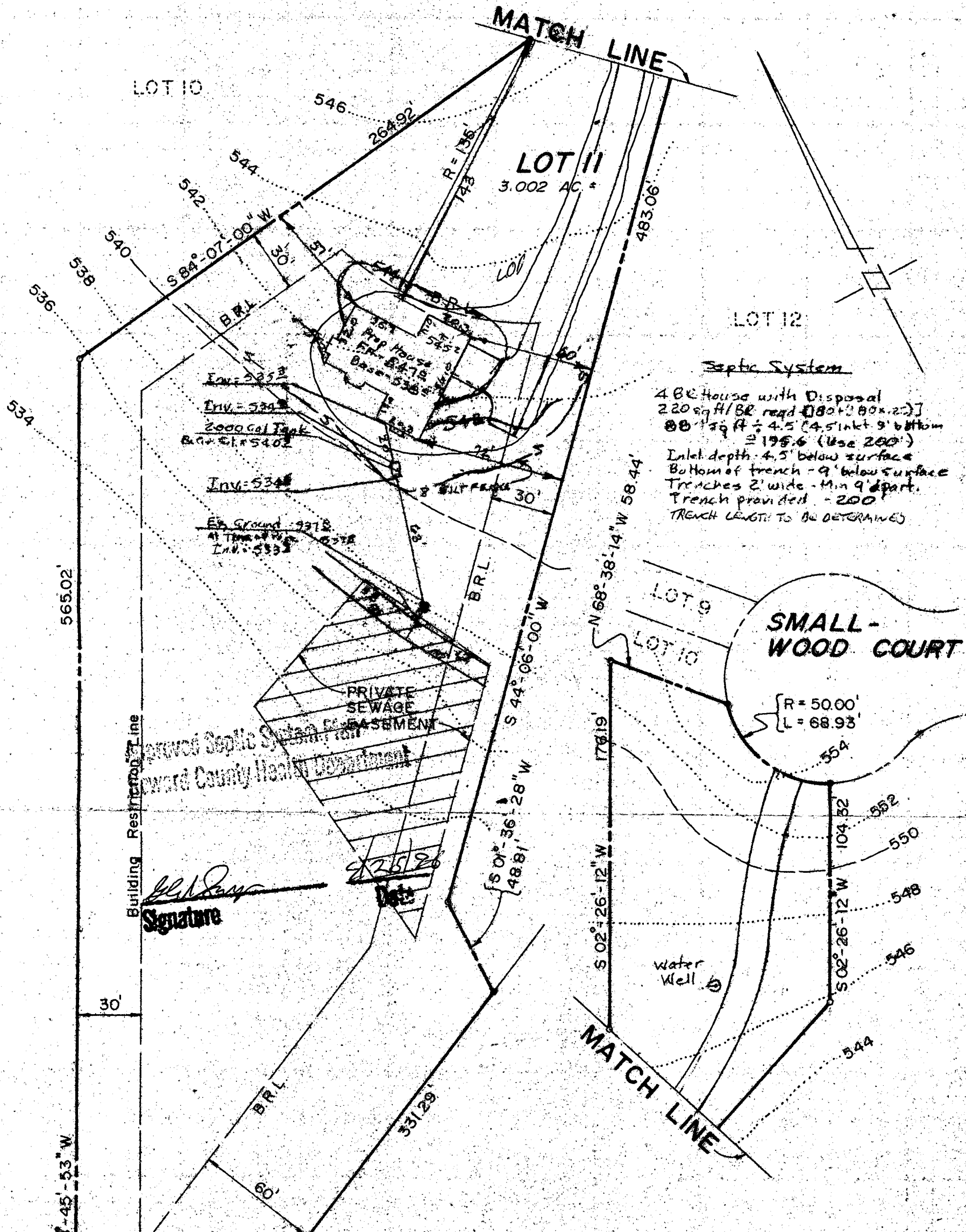
*J. E. Clark* 5-21-96



**THE J. E. CLARK COMPANY**  
LAND SURVEYING ENGINEERING

P.O. BOX 147 • LAUREL, MARYLAND 20707





**Septic System**  
 4 BR House with Disposal  
 220 sq ft / BR reqd [180 x 20 x 22]  
 80 sq ft ÷ 4.5 (4.5' inkt 9' bottom  
 = 195.6 (Use 200')  
 Inlet depth - 4.5' below surface  
 Bottom of trench - 9' below surface  
 Trenches 2' wide - Min 9' apart.  
 Trench provided - 200'  
 TRENCH LENGTH TO BE DETERMINED

**SMALL-WOOD COURT**  
 R = 50.00'  
 L = 68.93'

Approved Septic System Plan  
 Howard County Health Department

*[Signature]*  
 Signature

**PLOT PLAN  
 LOT II  
 DUNFARMIN ESTATES**

FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP : 34      PARCEL : 292  
 SCALE : 1" = 50'      APRIL 1998

S.T. NICHOLS, J.F. B. NICHOLS  
 JAMES S. NICHOLS, F. 540

J.E. WILLOUGHBY  
 L1078 F. 488



PREPARED BY:  
**THE J.E. CLARK COMPANY**