

Wet Season testing



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P 526601

AGENCY REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 3 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) MICHAEL and Nancy PETTIT

DAYTIME PHONE 703 749 6339 CELL 240 388 1033 FAX \_\_\_\_\_

MAILING ADDRESS 7018 PINDELL SCHOOL RD FULTON MD 20759  
STREET CITY/TOWN STATE ZIP

APPLICANT MICHAEL PETTIT

DAYTIME PHONE 703 749 6339 CELL 240 388 1033 FAX 410 561 8072

MAILING ADDRESS 7018 PINDELL SCHOOL RD FULTON MD 20759  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER owner BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. C

PROPERTY ADDRESS 7018 PINDELL SCHOOL RD FULTON  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE 1 acre

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. \_\_\_\_\_  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP \_\_\_\_\_

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2001 MAR 27 PM 12:07

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DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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Peter L. Beilenson, M.D., M.P.H., Health Officer

May 4, 2007

Michael and Nancy Pettit  
7018 Pindell School Road  
Fulton, MD 20759

RE: Percolation Test Report for 7018 Pindell School Road

Dear Michael and Nancy,

Percolation testing was conducted on the referenced property on April 5, 2007. The soils tested were those occupying areas having appropriate topography and not within any regulated setbacks. Field data collected are shown on the Percolation Test Results Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall are provided for subsequent system design, and all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested.

Percolation Test Results indicate areas of soils' conditions that are satisfactory for onsite wastewater disposal, and an area of unsatisfactory conditions. Five percolation test holes were dug. Three holes 'Passed' (at specific depths) and two 'Failed'. The Failing tests represent the area southeast of the porch on the front of the residence, immediately northeast of the driveway.

The Failing tests disallow continuity between the areas that Passed. One of the Passing tests was located in the stone driveway, and represents a relatively small area. Two of the Passing Percolation tests represent an area large enough to accommodate a repair system for a 3-bedroom residence, as currently exists. The satisfactory area is east of the residence, adjacent to the existing septic system, and outside the 100-foot radius defining the well setback. Parameters for system design are as follows: the proposed Trench Width is 3 feet, and the required Total Trench Length is 188 feet; Trench Bottom varies from 7 feet on the highest trench to 5.5 feet in the lowest trench, There will be 2 feet of clean gravel between Trench Bottom and Depth of Inlet, and there is no Usable Sidewall.

Currently, the Health Department does not require replacement or relocation of the septic tank when failure of the dry well or trenches occurs. Inclusion of a pre-treatment in the septic system will be required if an Upgrade is proposed, and may be required as part of a Repair. [Pre-treatment may be one of several technologies, any of which enhance microbial activity, thereby reducing solids and nutrients discharging to the drainfield trenches.]

An existing well was observed on the subject property. The well's steel casing extends more than 8" above the soil surface. The two-piece cap has electrical conduit inserted snugly in cap receptacle and extending into the soil. The well is believed to meet current code, i.e. two-piece, sealed cap with electrical conduit firmly attached to

cap and extending 18" beneath soil surface, and pitless adapter connection at least 36" beneath soil surface. The well tag number was not observed.

Some consideration has been given to the possibility of gaining area of satisfactory soil by re-locating the well. Observing the platted locations of septic easements on adjacent and adjoining properties (Loganberry Lane), it appears that area gained by pursuit of this strategy would be minimal

This investigation was triggered by re-submission of a Building Permit Application for replacing the breezeway structure. The application, B07000898, was approved on April 27. . If the expansion of the existing residence is proposed such that bedrooms are added, Health Department approval of the Building Permit will require a signed Percolation Certification Plan that demonstrates adequate area for 2 replacement systems. A 1500-gallon septic tank will be required, and that will be located outside of the 100-foot well setback radius.

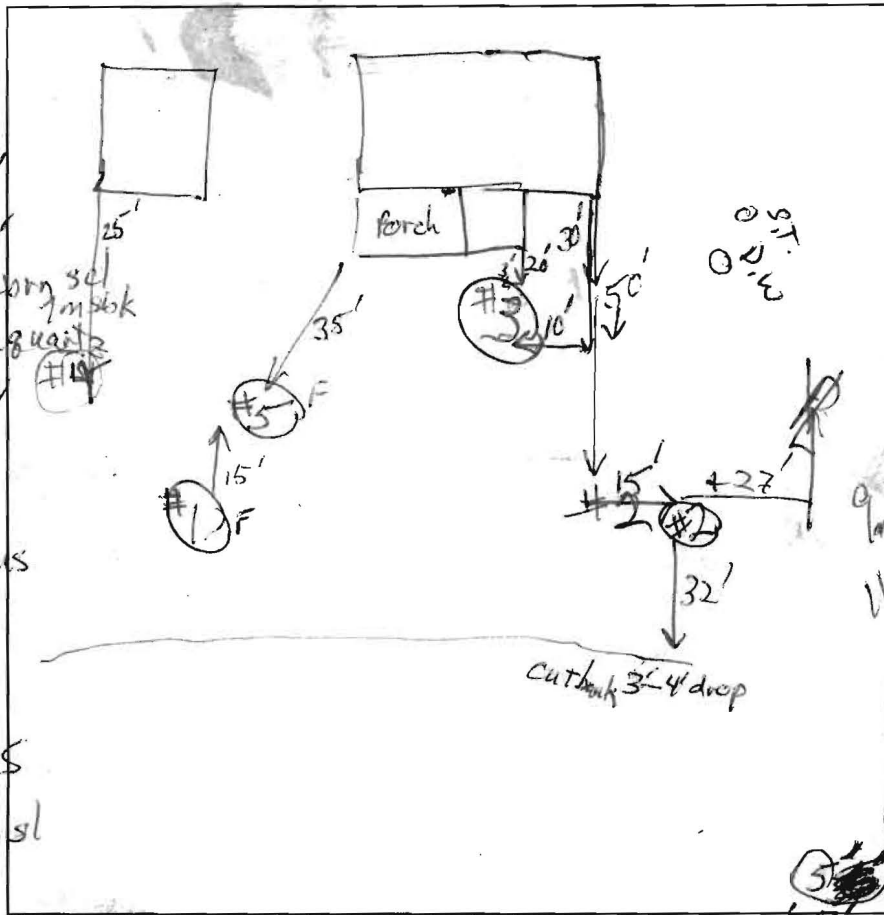
If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,



Robert C. Bricker, Jr., CPSS  
Well and Septic Program  
Development Coordination Section

Enclosure  
CC: File 



#1  
rd brn scl  
micaceous  
dk brn sl  
barred  
red brn scl  
m sbk  
3.5' gravel lens, quartz  
rd dep grey  
2p white  
mld brn red  
dense loam  
4.5' red brn & brn  
scl, micaceous  
7' black sl  
very micaceous  
11' water seeps  
dk grey-brn sl  
m2d grey  
black bands  
mld enrich  
14'   
#5 red-brn scl  
1.5' dk brn scl  
f sbk (A)  
2' brn gr scl  
3' red brn  
vst gr scl  
6' pale red  
gr ls  
7' pale yellow  
gr ls  
8' pale yellow-brn  
gr ls  
11' pale yellow  
gr ls  
12' var ls

#2  
0.5' dk brn sl  
0.5' vgr scl  
brn quartz sedm  
1.2' brn scl  
micaceous  
2.5' red-brn scl  
f sbk mica  
4' brn sl  
micaceous  
con med roots  
to grey-brn sl  
Water seep  
dk grey-brn sl  
#4 crushed limestone  
vgs sl brn red  
red-brn scl  
dk grey-brn sl (A)  
brn scl mica, f sbk  
7' dk brn sl  
& white ls  
#3 red-brn vgr scl  
pale brn, mld white, orange  
water seeps sl  
13' dk grey-brn sl  
#3 dk brn sl  
0.5' red brn scl  
0.8' brn gr scl  
f sbk  
1.5' red brn gr scl  
f sbk  
3' red brn & brn  
vgr scl quartz  
pale red-brn scl  
m mica  
7' pale brn ls  
10% gravel m  
? saprolite  
11.5' water seeps  
pale yellow  
vgr ls

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/5/07	1	7' / 14'	0	30	>60 min	7:30 Fall	F
4/5/07	2	5.5' / 9.5'	65	67.5	71	3.5	P
	3	5.0' / 11.5'	0	no movement, 10 min			F
	3	8.0' / 11.5'	0	no movement, 5 min			F
4/5/07	3	7' 3" / 11.5'	0	5	12.5	7.5	P
4/5/07	4	7' / 13'	0	18	43	25	P
	5	7' / 12'	0	36+	~ 1/2"		F

REMARKS \_\_\_\_\_  
 SANITARIAN RB BACKHOE Michael Pettit OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA 2 & 3 AVG. PERC TIME 5.5 SQ. FT/BR 188  
 TRENCH WIDTH 3 INLET DEPTH varies MAX. BOT DEPTH Varies EFFECTIVE SW 0  
5' to 3.5' 7' to 5.5'

Scale print

1:50 or 1:100

top ~~cover~~ layers

2 aerial

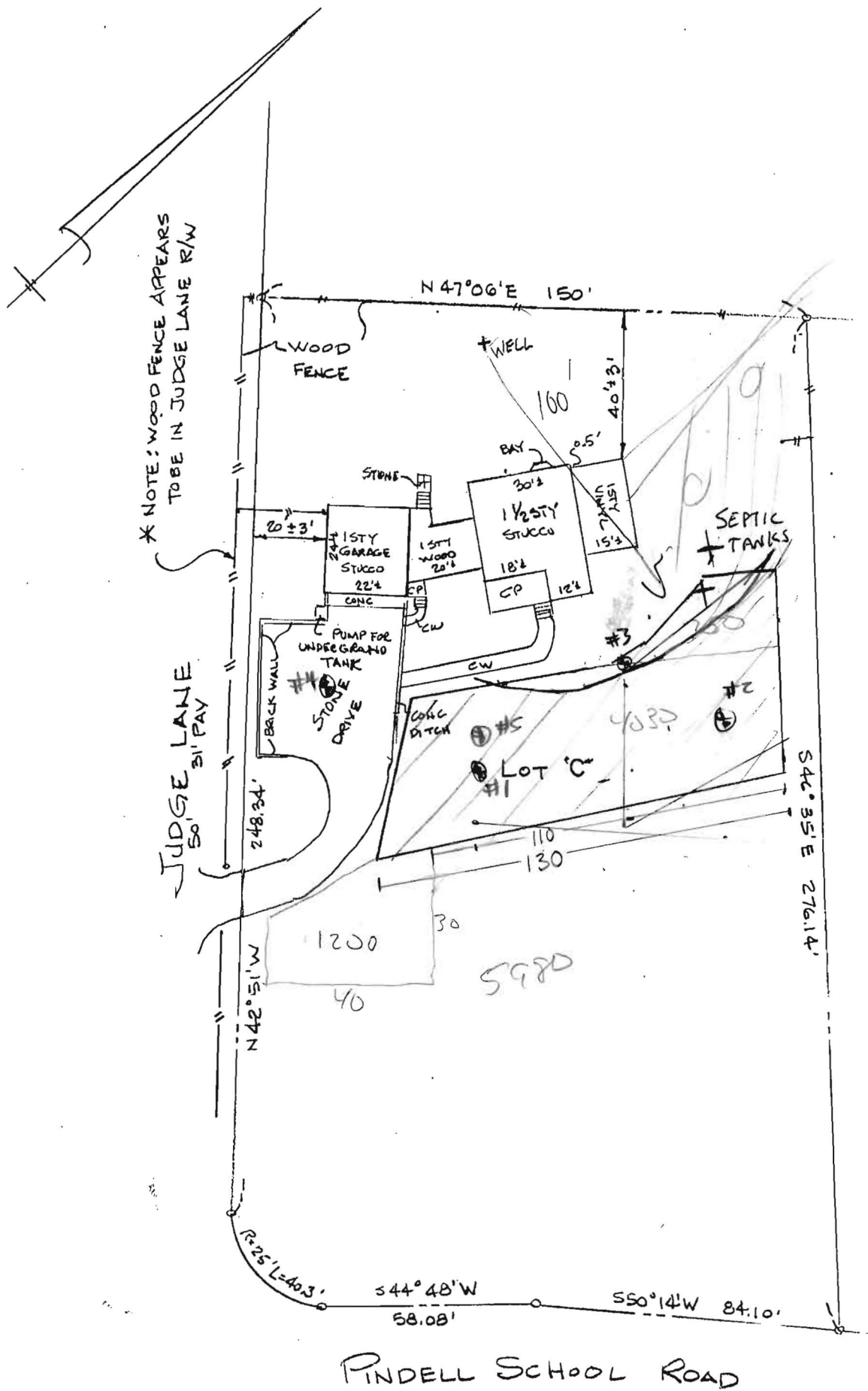
notes

instructions

example

575

0575  
8 | 1.00  
50/40



\* NOTE: WOOD FENCE APPEARS TO BE IN JUDGE LANE R/W

The plat is of benefit to a consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. The plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements. The plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or securing financing or refinancing.

\*7018 PINDELL SCHOOL ROAD  
 LOT C, PLAN OF A SUBDIVISION OF  
 THE PROPERTY OF JOSEPH D. JUDGE  
 PLAT BOOK 5/82  
 HOWARD CO., MARYLAND

THE LOT SHOWN HEREON IS IN FLOOD ZONE C PER F.E.M.A. FLOOD INSURANCE RATE MAP PANEL # 2400440038B

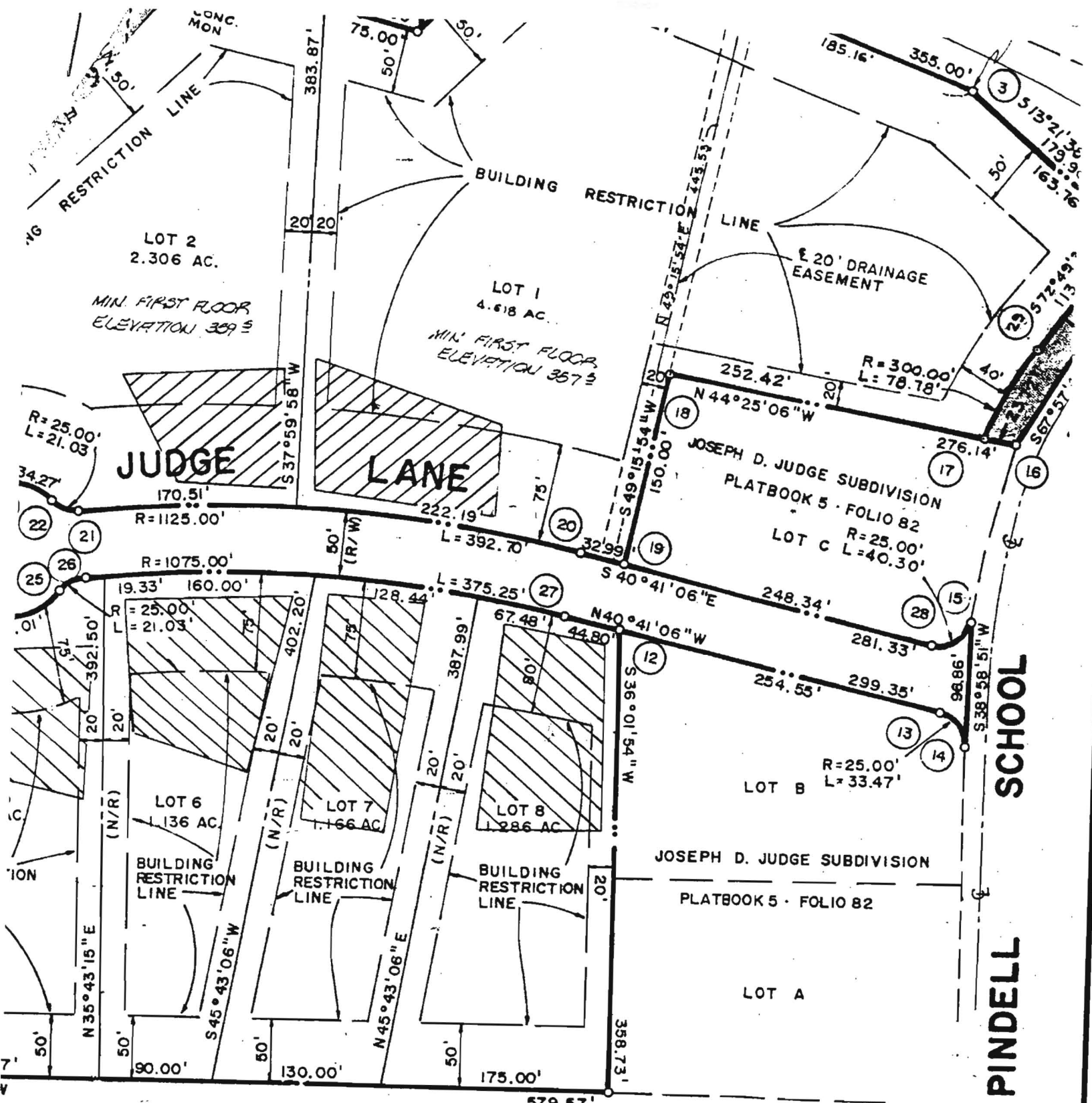
<b>SCALE</b>
1" = 40'
<b>DATE</b>
9-14-04
<b>JOB No.</b>

**LOCATION CERTIFICATION**

**WITZ & ASSOCIATES**  
**GENERAL SURVEYING CO.**

1009 Frederick Road  
 Baltimore, MD 21228  
 Phone 410-869-3536





LEO F. JUDGE  
171 / 51

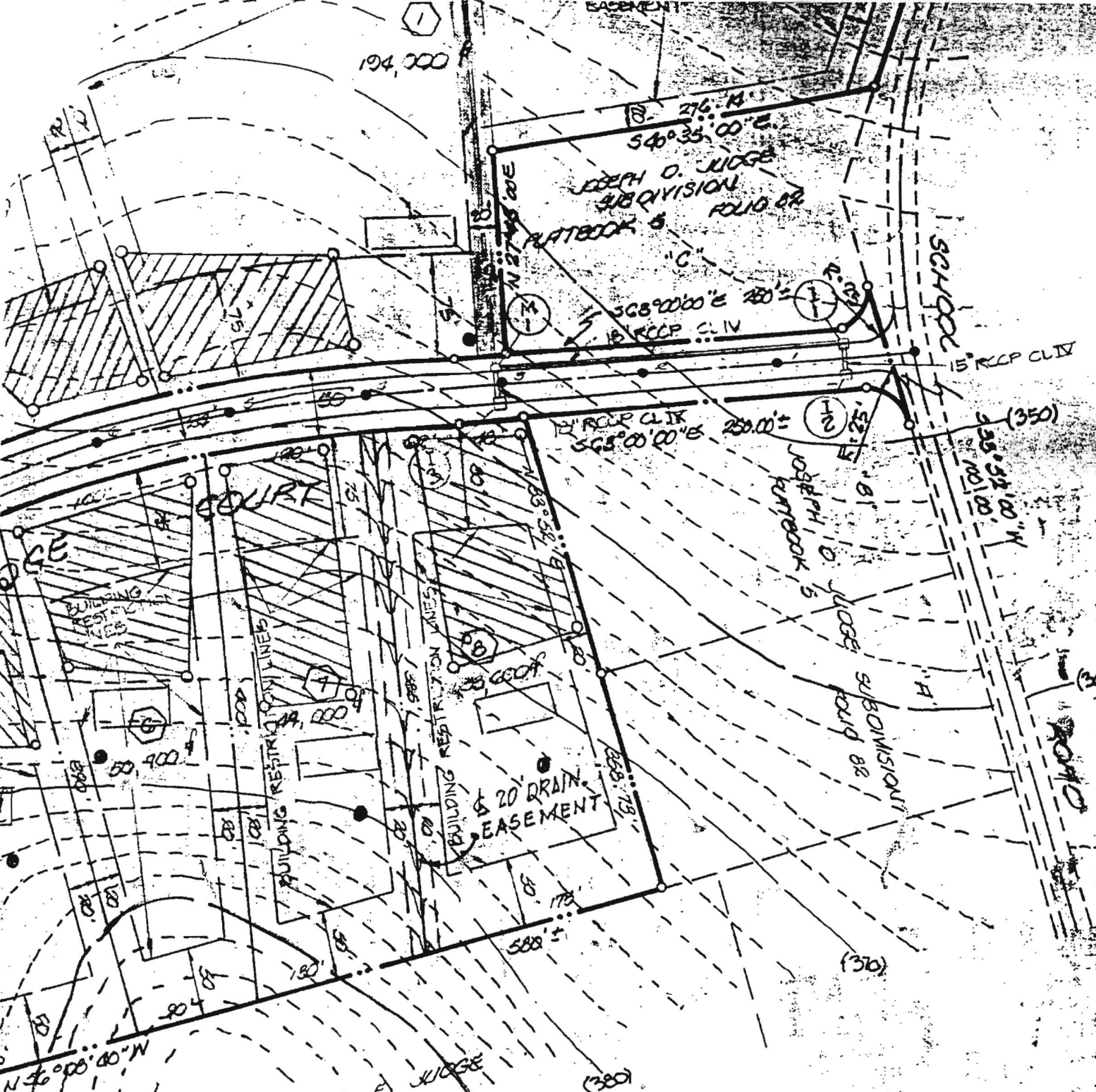
F - unknown plat #  
signed plat

# OWNERS STATEMENT

JOSEPH D. JUDGE AND BARBARA J. JUDGE OWNERS OF THE PROPERTY SHOWN  
IN THIS PLAN OF SUBDIVISION AND IN CONSIDERATION

# SURVEY

I HEREBY CERTIFY  
CORRECT, THAT IS A  
CONVEYED BY LE



JUDGE COURT  
 & CURVE DATA  
 $\Delta$  : 20° 00' 00"  
 R : 1250'  
 L : 436.33  
 T : 240.41  
 CH : 434.12

*[Handwritten Signature]*  
 P-77-03

NOTE: PERC. HOLES ARE FIELD  
 LOCATED BY ENGINEER.

perc test  
 data on  
 reverse