

FILE

(1) 12/13/90
P.C.O.-P.M
C.B.

P-45882

A 45083

MARYLAND STATE DEPARTMENT OF HEALTH*

DISTRICT 4th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 2/8/90

DATE SYSTEM APPROVED 10/13/90

INSPECTOR C. B. J.

~~Vernon Brake & Sons~~

IS PERMITTED TO INSTALL Y ALTER

ADDRESS 4213 Rolling Acres Drive, Mt. Airy, Maryland PHONE 831-7918

SUBDIVISION Simpson Property ROAD 515 West Waterville Rd. LOT 1

PROPERTY OWNER Mr. and Mrs. John Simpson Wells

ADDRESS _____

HF EXR BAGE GRUNNER IS USE ON NE BASK SET IN X X AN X ZAP AC IN BY SO X AND X G SO EXION X B X X Y X X

~~XXXXXXXXXXXXXXXXXXXX~~

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS

TRENCHES - 200 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 7 feet below original grade.

Effective area begins at 4.5 feet below original grade. 2.5 feet of stone below distribution pipe.

LOCATION - Start trenches 250 feet from left property line and 150 feet from edge of road (West Watersville Road; when facing lot from road). Run trenches on contour and parallel to West Watersville Road.

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

PLANS APPROVED BY Charles Streaker cm DATE 12/8/89

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

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES)

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

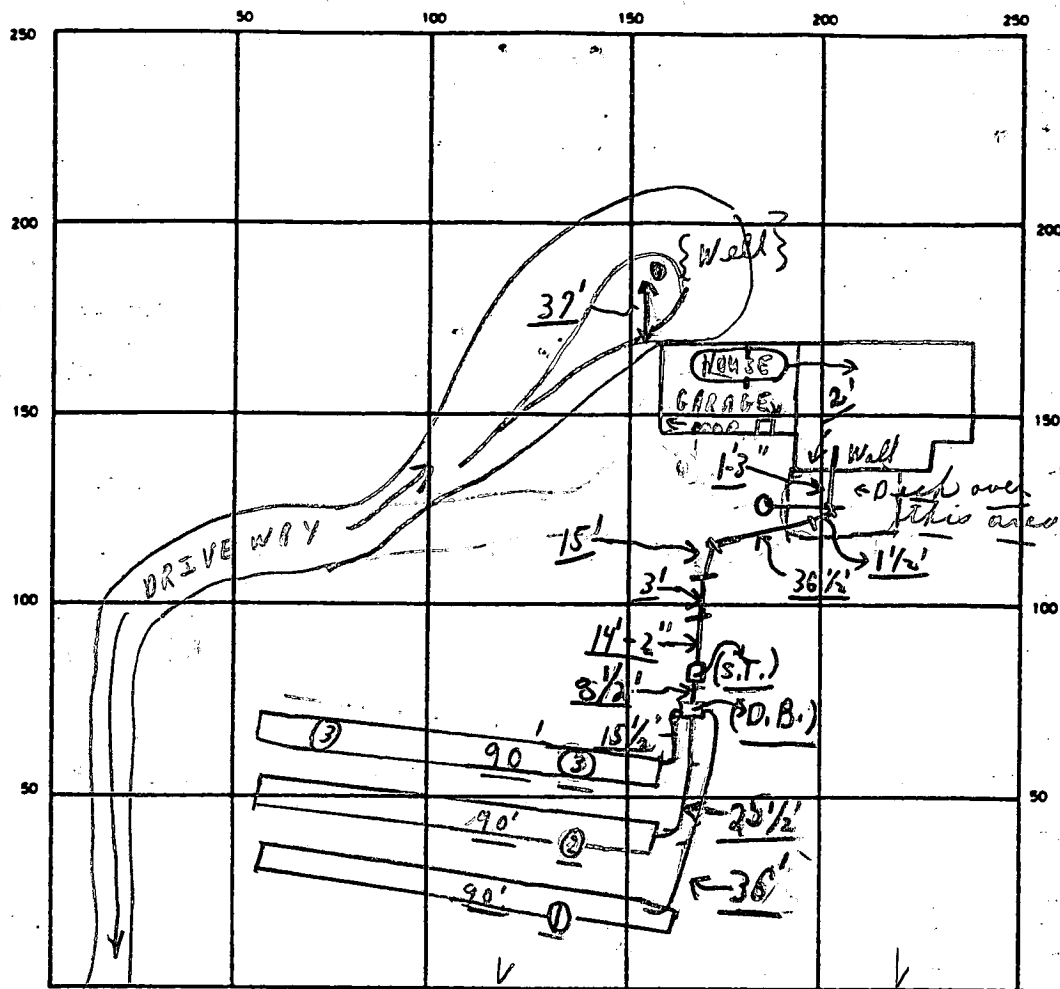
LOG. PERMIT SIGNED
AND RETURNED

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.**

HD-260

45083
A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 WEST WATERSVILLE ROAD

SEPTIC TANK. LEVEL OK CLEANOUTS OK / OK / OK
 DISTRIBUTION BOX. LEVEL OK (Baffle is in)
 DRAIN FIELD/TILE FIELD. DEPTH 7 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4.5 FT.
 EFFECTIVE GRAVEL DEPTH 2.5 FT. TOTAL LENGTH 270 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 810 SQ. FT.
 DRYWELL INSIDE DIAMETER 3 FT. EFFECTIVE DEPTH BELOW INLET 7 FT.
 ABSORBENT AREA 810 SQ. FT.

1:00s
 REMARKS 12/13/90 P.M. OK to cover from house to D.B. Box
& 2 lower trenches; do #3 trench spread middle
& ends; 12/13 P.M. - OK TO COVER ALL WORK - AS FINISH.
 C.B.

DATE SYSTEM APPROVED 12/13/90 INSPECTOR Charles Bryan Street

APPLICATION

PERCOLATION TESTING

A 45083

P _____

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

PREVIOUS TEST A 18087

NEEDS REEVALUATION.

DISTRICT _____

DATE OCT 16 1989

OWNER ELECTS TO EXPLORE
NEW TEST

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 JOHN R. SIMPSON

ADDRESS 406 NORTH MAIN STREET
MT. AIRY MD 21771 PHONE 829-2547

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION: WEST WATERSVILLE ROAD
EXISTING PERC HOLES Recorded under
"Property of V.H. CHALMERS"

SUBDIVISION 3.74 Acres ± TAX MAP 2 LOT NO. _____

ROAD AND DESCRIPTION 637-077

TAX MAP 2 PARCEL # 118 Quad 14

SIZE OF LOT 3.74 Acres ± TYPE BLDG Single Family Dwelling
(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. John R Simpson
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/24/89 for unfilled holes, well etc, house site

BDDG. PERMIT SIGNED
AND RETURNED 4/10/90

C.B.D.

Serial # 31770-SFD-3 Bedroom

THIS IS NOT A PERMIT

Note Holes ① ② ③ ④

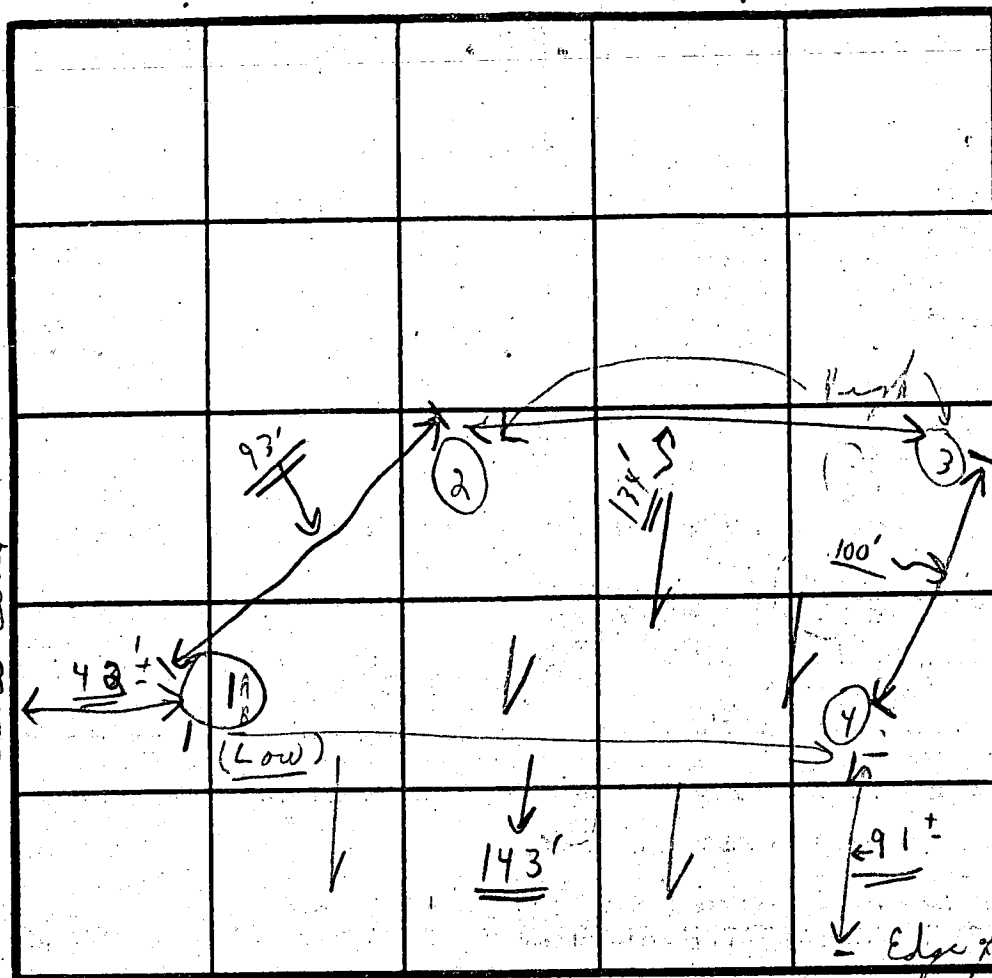
1' to 2' =

TOP SOIL
LEAVES
CLAY

3' 67' = LOATA

7'	Weathered shale
To	+ shale
13 1/2'	+ some loam

See shelf for
test data + hole
info.



↓
beaded
slope

11 min $\bar{X}$
Ende 4.5!

Maximum of

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

W. WATERVILLE RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		OVERALL TIME
			START	STOP	START	STOP	
10/24/89	(1) (1A)	4'	11:13	11:33	11:33	11:XX	7
	LOW {	13'			Weathered shale + 1" shale rock @ 7'		
	{	5'	11:23	11:27	11:27	11:38 ⁺	12 min
	(2) ✓ {	13 1/2'		[7 1/2' DOWN	some shale + sweet oil shale + loose		
	{	3'	11:57	12:01	12:01	12:08	7 m
	(3) ✓ {	12 1/2' ±	[Visual		2' weathered shale +		(shale)
	(4) {	3'	11:44	11:47	11:47	11:52	5 min
	{	12 1/2'	Visual		[shale 2" + weathered		
	(1B)	5'	12:12	12:17	12:17	12:37	20
							4/44

1107

1' - 4 1/2" ¹⁺
1/8" ¹⁺
Loom
(4 1/2" ± = 9')

here
+ eight }

le en bott.

shale & ls.

11 min
+ average

REMARKS

REMARKS: Reconsolidated 3' wide, 1' hollow trenches ^{under} 3' 5' deep; antifer holes

TYPE OF SOIL

TESTED BY

C. B. A. & M. B. Brown ALSO PRESENT

Nelson

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE Oct 3, 1989

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 John R. Simpson
406 NORTH MAIN ST
ADDRESS MT. AIRY MD 21771 PHONE 829-2547

PROSPECTIVE BUYER N/A
ADDRESS _____ PHONE _____

PROPERTY LOCATION: WEST WATERSVILLE ROAD
SUBDIVISION Previously Perked & recorded under LOT NO. _____
"Property of V.H. Chalmers"
ROAD AND DESCRIPTION 637-077

TAX MAP 2 PARCEL # 118 Quad 14
SIZE OF LOT 3.74 ACRES ± 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 _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

OLDG. PERMIT SIGNED

AND RETURNED 4-10-90

Seal # 51770

SFD-3 Bedroom

THIS IS NOT A PERMIT

Similar SOIL PROFILE

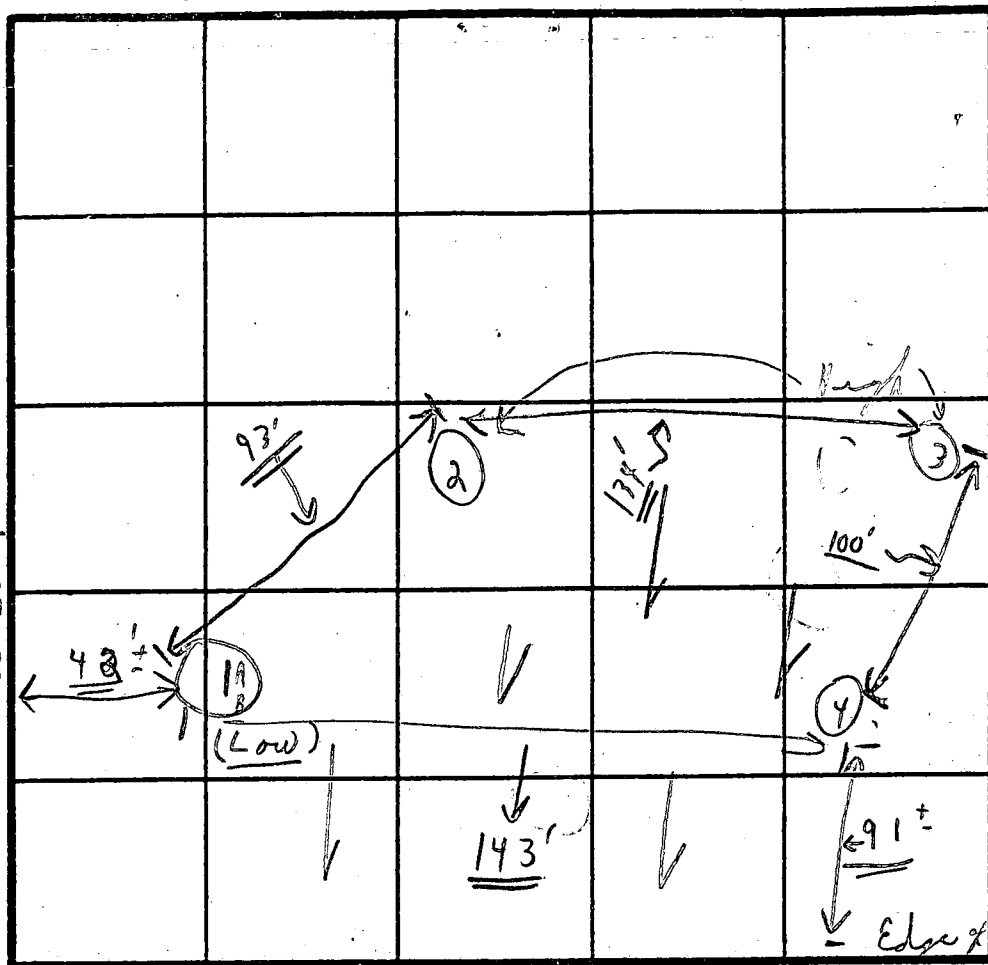
TOP SOIL
LEAVES

CLAY

LOA RA

Weathered
shale
+ shale
+ some
loam

See shelf for
test data + hole
info.



✓ build
✓ slope

11 min $\bar{X}$
Jul 4.5

Maximum depth

INDICATE NORTH · NAME ADJOINING ROADWAY AS BASE LINE

W. WATERSVILLE RD

(12:03 Not out)



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		OVER TIME
			START	STOP	START	STOP	
10/24/89	(1) (1A)	4'	11:13	11:33	11:33	11:XX	XX
	LOW {	13'			Weathered shale + 1/2' shale rock @ 7'		7
	{	5'	11:23	11:27	11:27	11:38	12 min
	(2) ✓ {	13 1/2'			2 1/2' DOWN some shale + wheat shale + loam		
	{	3'	11:57	12:01	12:01	12:08	7 m
	(3) ✓ {	12 1/2' ±	12:01		2' weathered shale + (shale)		
	(4) {	3'	11:44	11:47	11:47	11:52	5 min
	{	12 1/2'	Versinal		5 shale 2' + weathered		
	(1B)	5'	12:12	12:17	12:17	12:37	20 m
							4/44

$1' - 4\frac{1}{2}''$ clay
 Loom
 $(4\frac{1}{2}'' - 9')$

here
right]

le en botton)

shale thin

11 min
average

REMARKS

10/24/89 Test in Woods ^{end} { send 9" elevation ^{ave} ~~shovel~~ ^{shovel} for

REMARKS: Recount 3' wide, 1' hollow trenches 3" 5' deep; centrifugal hole

TYPE OF SOIL

TYPE OF SOIL

TESTED BY

C. B. A. & M. B. Brown
Nurses

ALSO PRESENT:

owner Mr & Mrs James

PRELIMINARY

APPLICATION

A 18087

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICESP. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356DISTRICT 3rd 4thDATE 3/16/73Septic Tank 1000 gallons
1250 gallons

1 Bedroom

silenced area per bedroom below noted. Inlet to be 3 1/2' below original grade & maximum depth 11'. Location ①

RETEST IN NW 1/4 A6A
SEE A45083

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 Burch Shannon

Any questions call Mr. Pakulla

ADDRESS 2026 Norhurst Way South, Balto., Md. 21228PHONE 730-7111

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

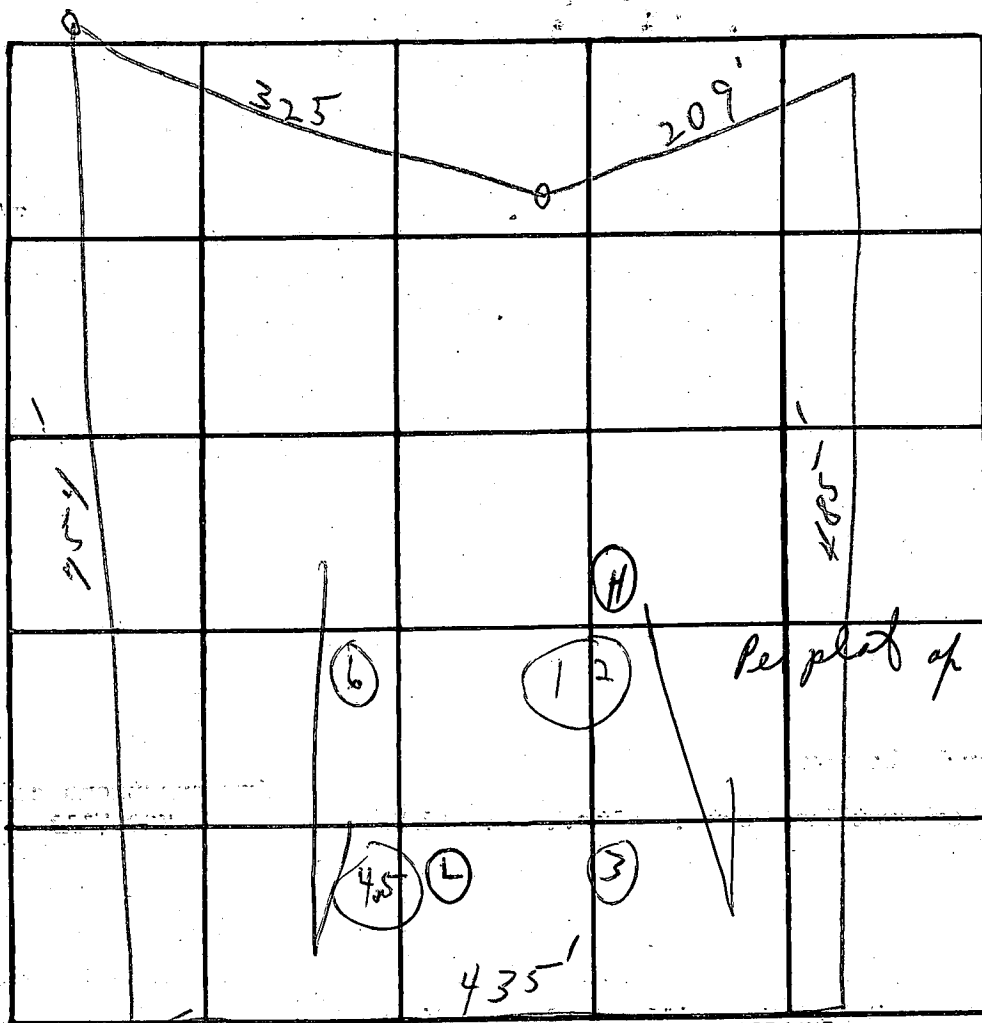
ROAD AND DESCRIPTION West Watersville Road, Mt. Airy, Md.SIZE OF LOT 10 acres (proposed 5.878 acres) TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT /s/ T. Michael SweeneyAPPROVED BY C. D. Sweeney FOR Septic Tank DATE 4/5/73
(KIND OF SYSTEM)REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)HOLD PENDING FURTHER TESTS Hold until certification of holes DATE 4/5/73REASONS FOR REJECTION OR HOLDING 4/5/73 Certification of holes OK

THIS IS NOT A PERMIT



Re plot of Dr. Loyer's notes
6/25/74

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Watersville Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/30/73	1	3 1/2'	205	207	207	211	4 min
	2	11' D	204	206	206	209	3 min
	3	9 1/2'	(Visual hole similar to 1+2)				
	4	4 1/2'	2:24	2:30	2:30	2:40	10
	5	11' D	5 gallon water				
			2:10			2:12	2 min
	6	10'	(Visual hole similar to 4+5)				

5 min

REMARKS

Shaly

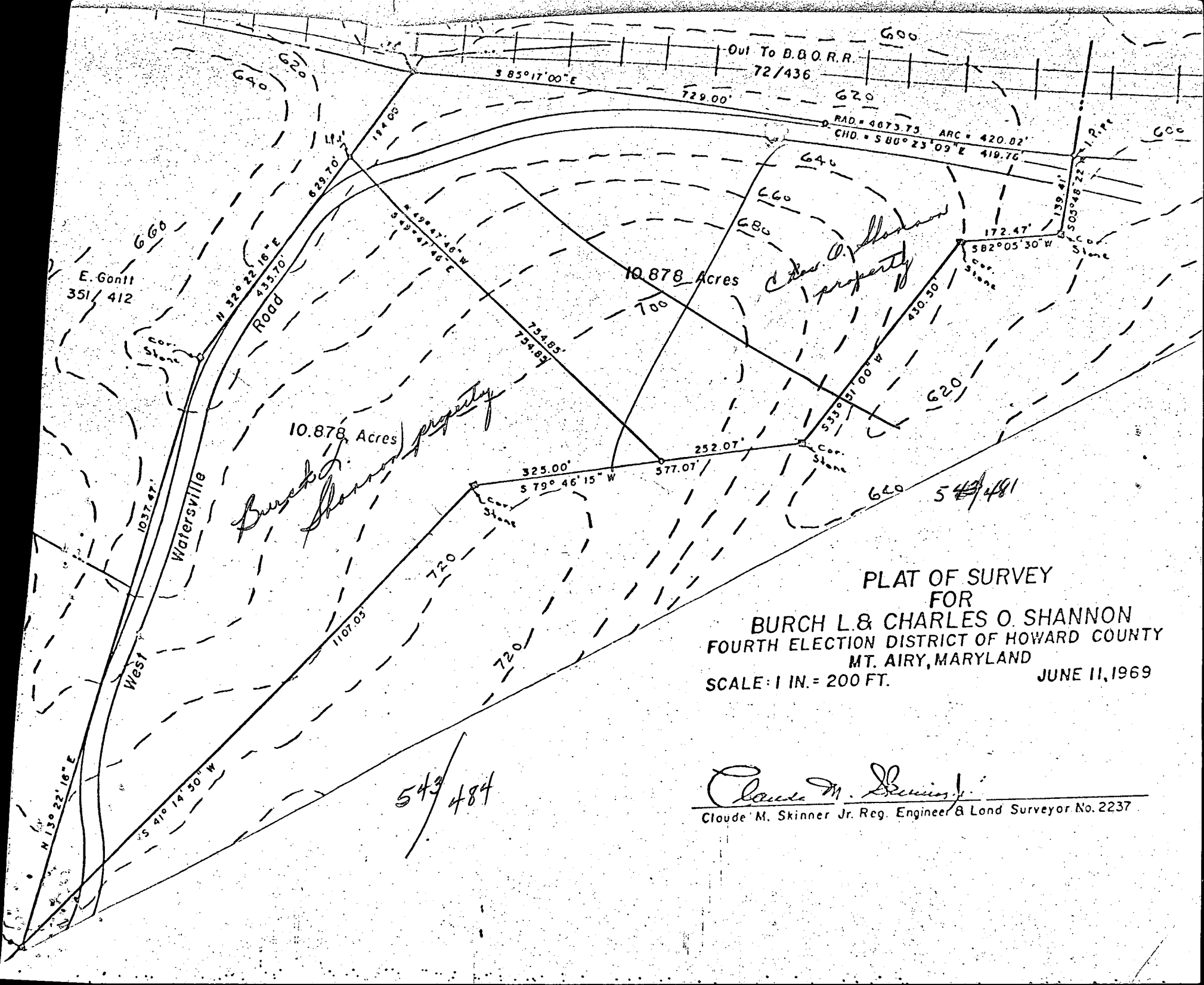
TYPE OF SOIL

Gravelly shale

TESTED BY

B. Streak

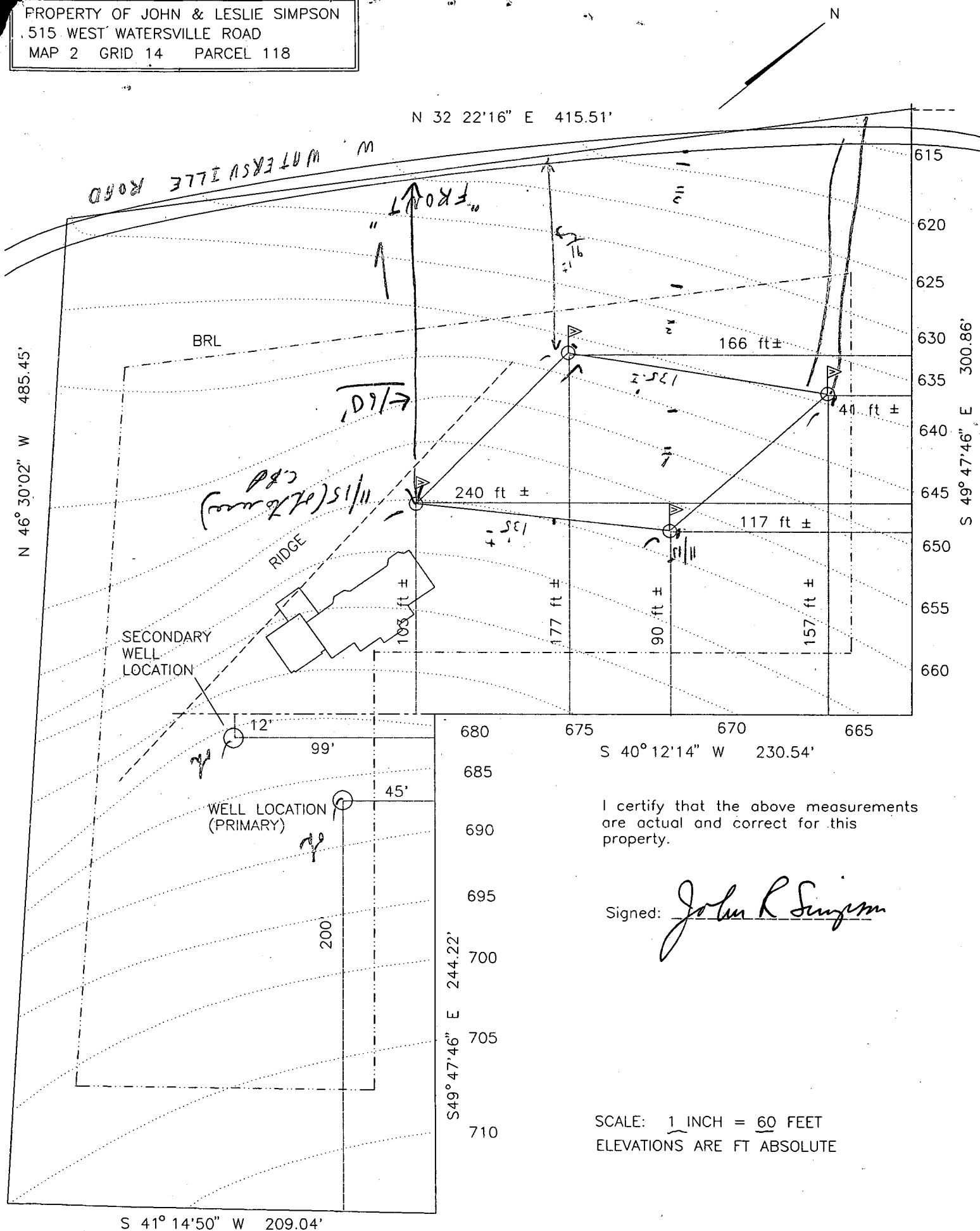
ALSO PRESENT:



PLAT OF SURVEY
FOR
BURCH L & CHARLES O. SHANNON
FOURTH ELECTION DISTRICT OF HOWARD COUNTY
MT. AIRY, MARYLAND
SCALE: 1 IN. = 200 FT. JUNE 11, 1969

Claude M. Skinner Jr.
Claude M. Skinner Jr. Reg. Engineer & Land Surveyor No. 2237

PROPERTY OF JOHN & LESLIE SIMPSON
 515 WEST WATERSVILLE ROAD
 MAP 2 GRID 14 PARCEL 118

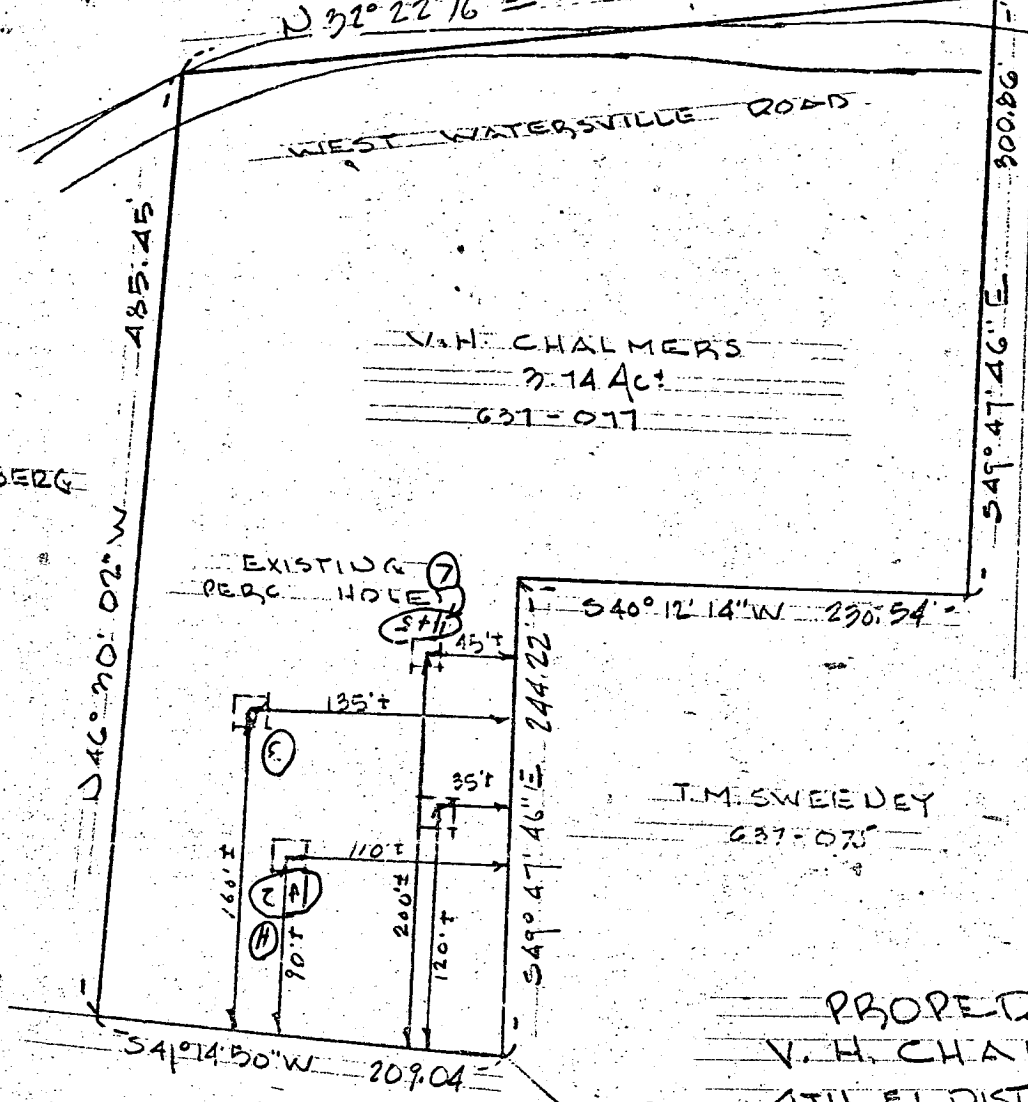


N 31° 22' 16" E 415.51'

WEST WATERVILLE ROAD

V. H. CHALMERS
7.14 AC.
637-077

STROMBERG



T. M. SWEENEY
637-075

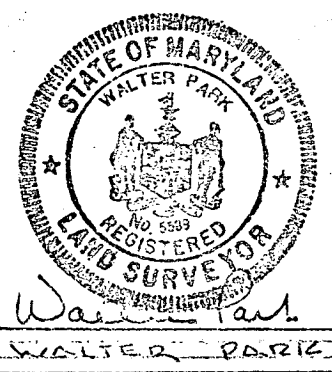
PROPERTY OF
V. H. CHALMERS
4TH EL. DIST. HOWARD CO, MD
SCALE 1"=100' JUNE 12, 1974

TAX MAP = 2
ZONED = R40

Buried Shannon Property

NOTE:
THE LOT SHOWN HEREON
COMPLIES WITH THE MINIMUM
OWNERSHIP AND LOT AREA
AS REQUIRED BY THE
MARYLAND STATE HEALTH DEPT.

HUDKINS ASSOC.
231 JOSEPH SQUARE
COLUMBIA, MD



APPROVED FOR PRIVATE WATER AND
PRIVATE SEWAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPT.
John R. Lazear 6/25/74
COUNTY HEALTH OFFICER DATE

C1 1161 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# 45083

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

8 13

15 20
030190

Depth of Well
22 285 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-88-1164
28 29 30 31 32 33 34 35 36 37

OWNER C. T. AMPSON JOHN
STREET OR RFD last name WEST WATERVILLE RD first name TOWN MT. AIRY
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	
Brown shale	0	70	
Green slate	70	103	X
Brown shale	103	107	X
Green slate	107	149	X
Brown shale	149	151	X
Green slate	151	230	X
Brown shale	230	231	
Green slate	231	285	

WATER @ 70-105-150-230

GROUTING RECORD

WELL HAS BEEN GROUTED. (Circle Appropriate Box)
yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC
45 46 45 46

NO. OF BAGS 15 NO. OF POUNDS 1410

GALLONS OF WATER 90

DEPTH OF GROUT SEAL (to nearest foot)

from 48 ft. to 54 ft. ft. ft.
(enter 0 if from surface)

CASING RECORD

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

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

ST 60 61 63 64 66 67 70

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

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

C2 DEPTH (nearest ft.)

HO 78 285
8 9 11 15 17 21
23 24 26 30 32 36
38 39 41 45 47 51

SLOT SIZE 1 2 3
DIAMETER OF SCREEN 1 (NEAREST INCH)
56 60

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 submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING 47

WHEN PUMPING 65

TYPE OF PUMP USED (for test)

A air P piston T turbine
27 27 27
C centrifugal R rotary O other (describe below)
27 27 27
J jet S submersible
27 27

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: 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

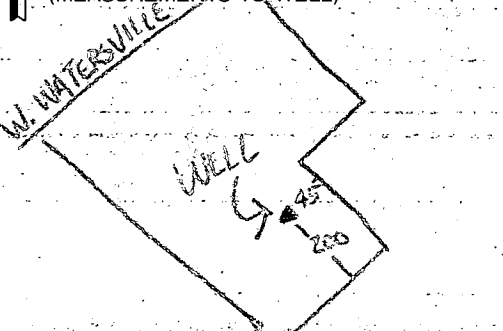
PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

above } LAND SURFACE 2 (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)



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. 303

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY