

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

DATE SYSTEM APPROVED

INSPECTOR

P 41290

A 32606

DISTRICT 4th

DATE 3-28-88

6-7-88

S. Abel

TAX MAP 2 PARCEL 74

Andy Snow

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 14196 Frederick Road, Cooksville, MD 21723 PHONE 854-6190

SUBDIVISION ROAD 626 W. Watersville Rd LOT 1

PROPERTY OWNER Richard J. Jackson & Thurman R. Tyler

ADDRESS JOHN DORSEY

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES ☐ NO ☒

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

225
31900
300 ft trench

TRENCHES - 225 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 1½ feet below original grade. Bottom maximum depth 2½ feet below original grade. Effective area begins at 2½ feet below original grade. 12 inches of stone below distribution pipe.

LOCATION - Start first trench 250 feet from the right (459.94') lot line and 125 feet from the front lot line as seen when facing the property from the access road that leads to Watersville Road. Run trench(s) long level ground toward the left lot line.

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

NOTE: BOTTOM OF TRENCH MUST BE NO DEEPER THAN 2½ FEET BELOW ORIGINAL GRADE. SYSTEM WILL BE DISAPPROVED IF ANY PART OF TRENCH IS DEEPER THAN SPECIFIED.

PLANS APPROVED BY C. Williams DATE 1/25/85

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.

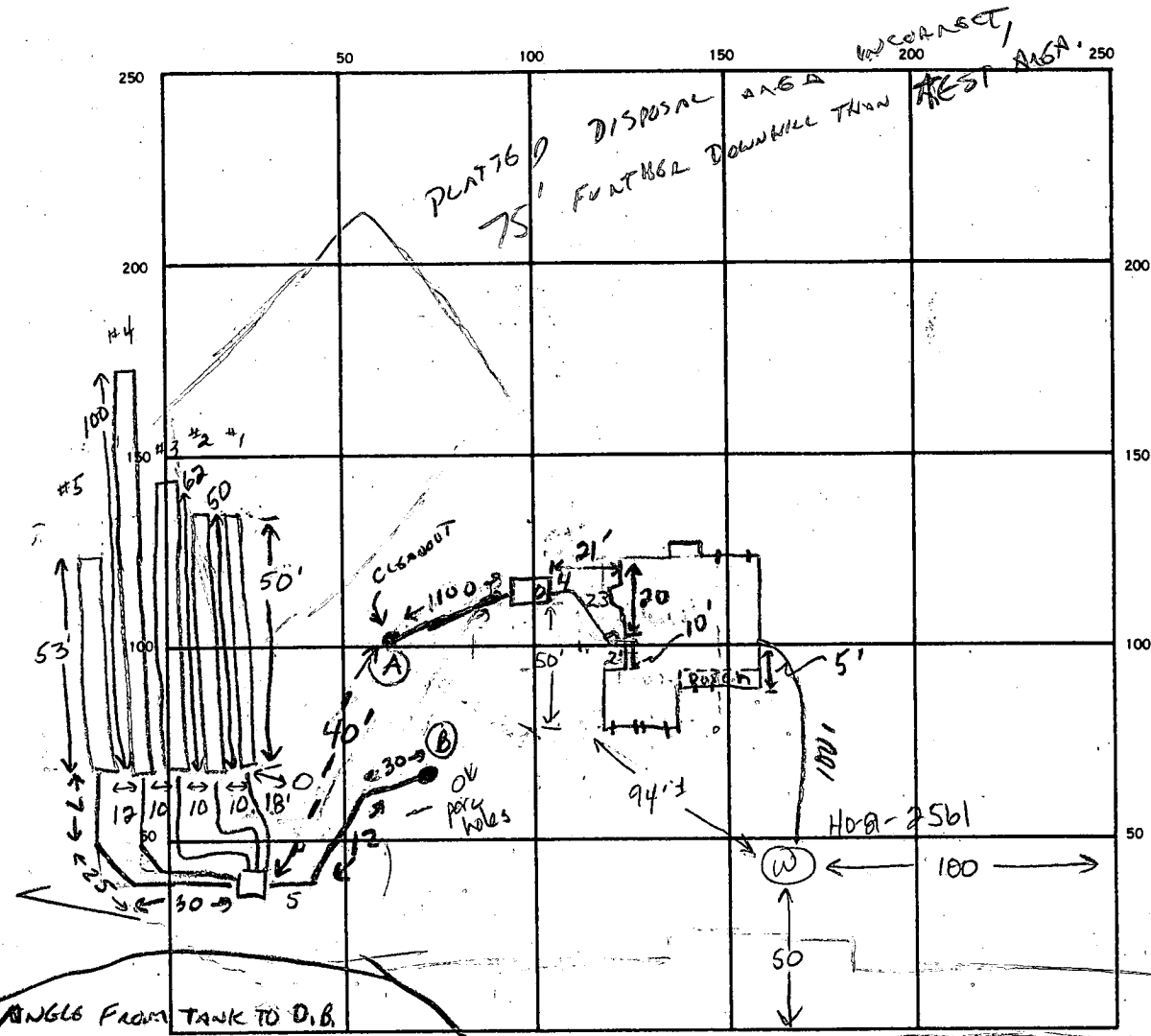
REC'D. AND RETURNED 3/31/88
Email # 17160

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 32606



WPI
5-27-88
Pitless
adapter at
38 inches.
Ground line
not hook up
yet. House
connection
OK. JEN

39
24
156
78
93

ANGLE FROM TANK TO D.B.
IS NOT PROPORTIONATE,
FAR CLOSER TO STRAIGHT THAN SHOWN
→ POINTS A & B ARE THE SAME

SEPTIC TANK. LEVEL 1500 gal CLEANOUTS 1 on ST ✓ 1 IN LUG ✓ 1 at house connection

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD TILE FIELD. DEPTH 2.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 1 FT.
EFFECTIVE GRAVEL DEPTH 3 FT. TOTAL LENGTH 50/50/62/100/53
NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 50/50/86/300/159 SQ. FT.
DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
ABSORBENT AREA 94.5 ✓ SQ. FT.

REMARKS 1ST TWO TRENCHES TO 2'6". OK TO CONTINUE TRENCHES & COVER.

CALL FOR FINAL WHEN SYSTEM COMPLETE. CW 4-4-88 OK to cover trenches.

Call for final. JEN

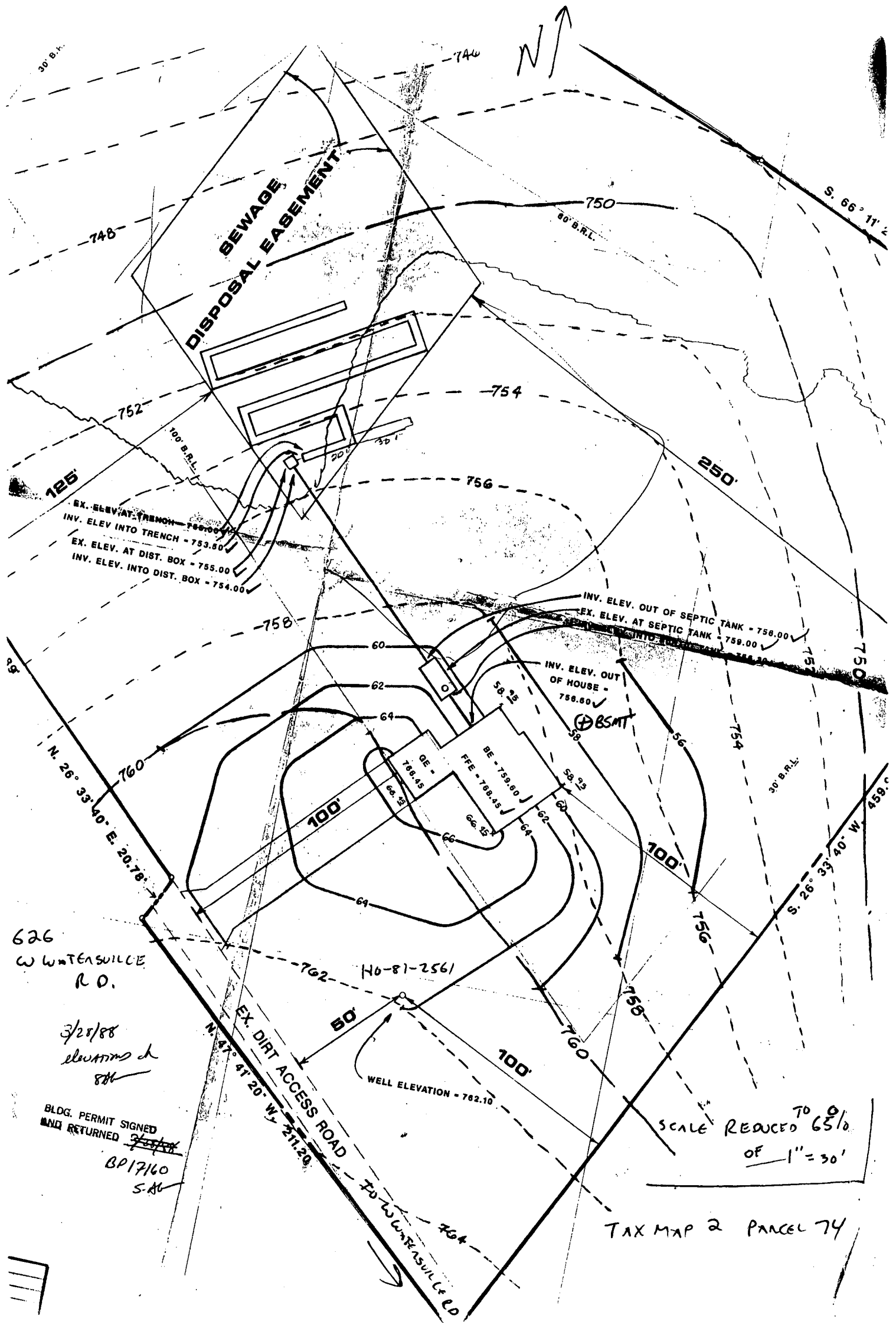
7/5/88. HOUSE CONNECTION NEEDED BEFORE FINAL APPROVAL. CW.

5-27-88 House is full of bends. Inlet into septic tank butts up to baffle preventing solids passage and pumping of tank. Must be cut off inside tank. Lines at dist. box need to be covered. JEN

DATE SYSTEM APPROVED 6/7/88 INSPECTOR SALUB

5-27-88 J. Madean
626 W. Watersville Rd
Jackson/Tyler

Must cut line into tank
so it does not interfere w/
flow or pumping of tank.
House to tank line is
full of bends and is of
questionable design.
Recommend one straight line.



EX. ELEV. AT TRENCH - 759.00
INV. ELEV. INTO TRENCH - 753.50
EX. ELEV. AT DIST. BOX - 755.00
INV. ELEV. INTO DIST. BOX - 754.00

INV. ELEV. OUT OF SEPTIC TANK - 758.00
EX. ELEV. AT SEPTIC TANK - 759.00

INV. ELEV. OUT OF HOUSE - 758.60
BSMT

WELL ELEVATION - 762.10

SCALE REDUCED TO 65%
OF 1" = 30'

TAX MAP 2 PARCEL 74

626
W WATERSVILLE
R.D.

3/28/88
elevations &
886

BLDG. PERMIT SIGNED
AND RETURNED 3/28/88
BP17160
S.M.

EX. DIRT ACCESS ROAD - TO WATERSVILLE RD
N. 47° 41' 20" W. 211.29

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 32606
P _____

DISTRICT _____

DATE 3/31/83

4/14/83 no show
9:30 A.M.
4/28/83
2 o'clock

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. John + Diane

PROPERTY OWNER Richard J. Jackson & Thurman R. Tyler Dorsey

ADDRESS 634 W. Watersville Rd., Mt. Airy Md. PHONE (301) 831-5773
21771

PROPERTY LOCATION:

SUBDIVISION tax map 2, parcel 74 3.956 acres LOT NO. 1

ROAD AND DESCRIPTION off W. Watersville Rd.

SIZE OF LOT proposed ~ 2 acres TYPE BLDG. SFD
(NUMBER OF BEDROOMS)

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.

Richard J. Jackson
(SIGNATURE OF APPLICANT)

APPROVED BY C. Williams FOR SHALLOW TRENCHES DATE 1/25/85

REJECTED BY R. Shriver FOR any DATE 4/28/83

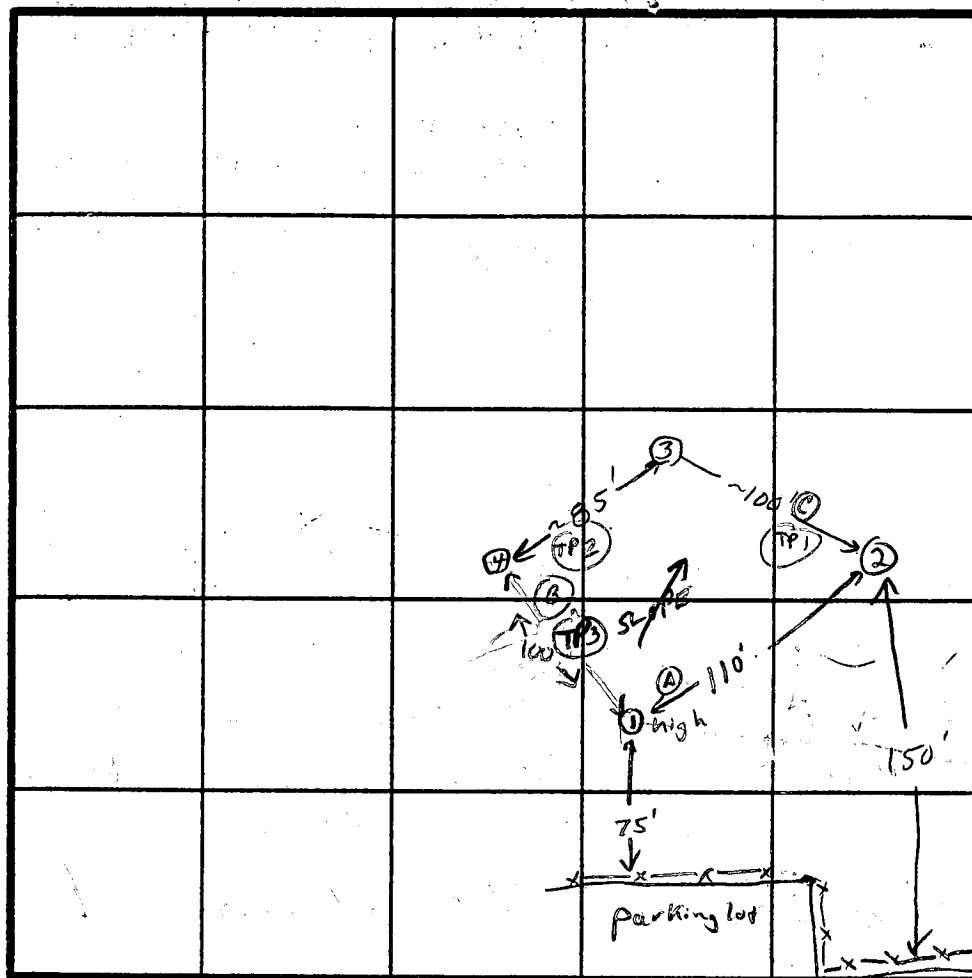
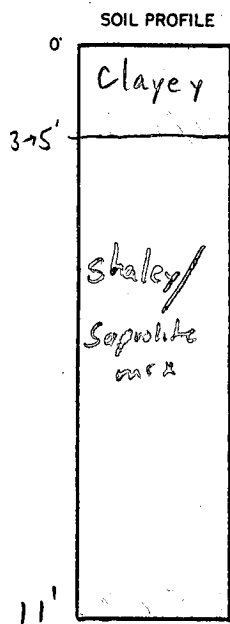
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Too rapid perc test times took.

APPROVAL FOR 1 SHALLOW SYSTEM, NOT TO BE SUBDIVIDED AFTER EXTENSIVE RE-EVALUATION
ON SEVERAL DATES BY C. WILLIAMS, S. ABEL, J. COVACT & C. STEIN. 1-25-85 CW

THIS IS NOT A PERMIT

BLDG. PERMIT SIGNED
AND RETURNED 3/31/83
Serial # 17160 SFD.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Dirt Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/27/83	1 high	4 1/2'	2:12	pulled peg	2:13	NO MOVEMENT	FAILS
	1 A	8 1/2'	2:13	2:14	2:14	2:18	4 min
	1 B	11'					
	2	4 1/2'	2:16	2:18	2:18	2:22	4 min
	2 A	8 1/2'	2:16			2:17	2:30 sec
	2 A (checked)		2:21	2:21:30	2:21:30	2:22:20	50 sec
	3	4 1/2'	2:26	2:35	2:35	2:50	15 min.
	3 A	9'	2:25	2:26	2:26	2:27	1 min
	3 B	11'					
	4	5'	2:46	2:50	2:50	2:56	6 min
	4 A	8 1/2'	2:47	2:47:20	2:47:20	2:48	40 sec
	4 B	12'					
SEE ADDITIONAL DATA NEXT PAGE							

REMARKS 4/28/83 Fails tests due to rapid pre test times & rockiness.

TYPE OF SOIL clayey 3-5' Rocky below

TESTED BY F.S.

ALSO PRESENT H. Sirk Jr.

APPROVED FOR 1 LOT ONLY NO SUBDIVISION 1-25-85 CWL

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 32006

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 3/31/83

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 Richard J. Jackson & Thurman R. Tyler

ADDRESS 634 W. Watersville Rd., Mt. Airy, Md. 21771 PHONE (301) 831-5773

PROPERTY LOCATION:

SUBDIVISION tax map 2, parcel 74 3.956 acres LOT NO. 1

ROAD AND DESCRIPTION off W. Watersville Rd.

SIZE OF LOT proposed ~2 acres TYPE BLDG. S.F.D.
(NUMBER OF BEDROOMS)

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.

Richard J. Jackson
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

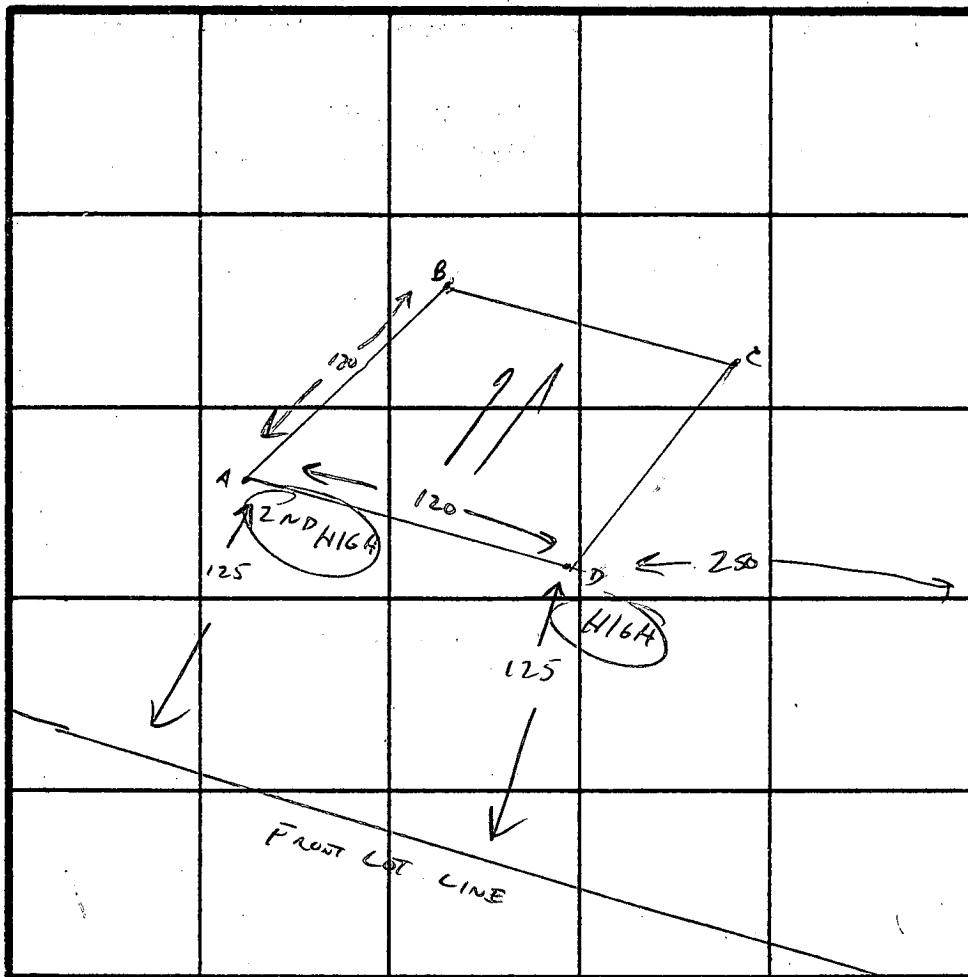
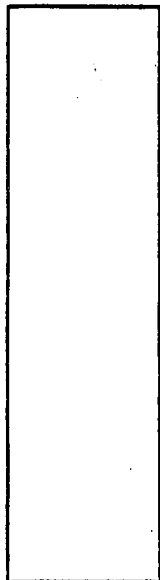
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

SOIL PROFILE

0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
ACCEPTABLE HOLES FROM PERC TEST ON VARIOUS DATES							
	A 13	HOLE (1) FROM A 32606			(SUPPORTING 3' TEST NEARBY OK PER J. COVALT APPROX NOV 84)	2' TEST NEARBY OK	
	B 13	HOLE (2) FROM A 32606			(OK PER ORIGINAL TEST)	6' TEST NEARBY OK	
	C 13	HOLE (A1) FROM VISUAL INSP BY DWILIAM & S. ABEL					1-25-85
	D 13	HOLE (3) FROM A 32605					

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH-12-1079

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE

A 32605
P _____

3/31/83

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

RICHARD J. JACKSON & THURMAN R. TYLER

ADDRESS

634 W. WATERSVILLE, Rd. - Mt. Airy, Md. 21771 PHONE (301) 831-5773

PROPERTY LOCATION:

SUBDIVISION

Taxmap 2, parcel 74 3.956 acres LOT NO. 2

ROAD AND DESCRIPTION

OFF W. WATERSVILLE, Rd.

SIZE OF LOT

~2 ACRES

TYPE BLDG.

3

(NUMBER OF BEDROOMS)

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.

Richard J. Goltsort
(SIGNATURE OF APPLICANT)

APPROVED BY _____

FOR _____

DATE _____

REJECTED BY F. Skene

FOR any

DATE 4/28/83

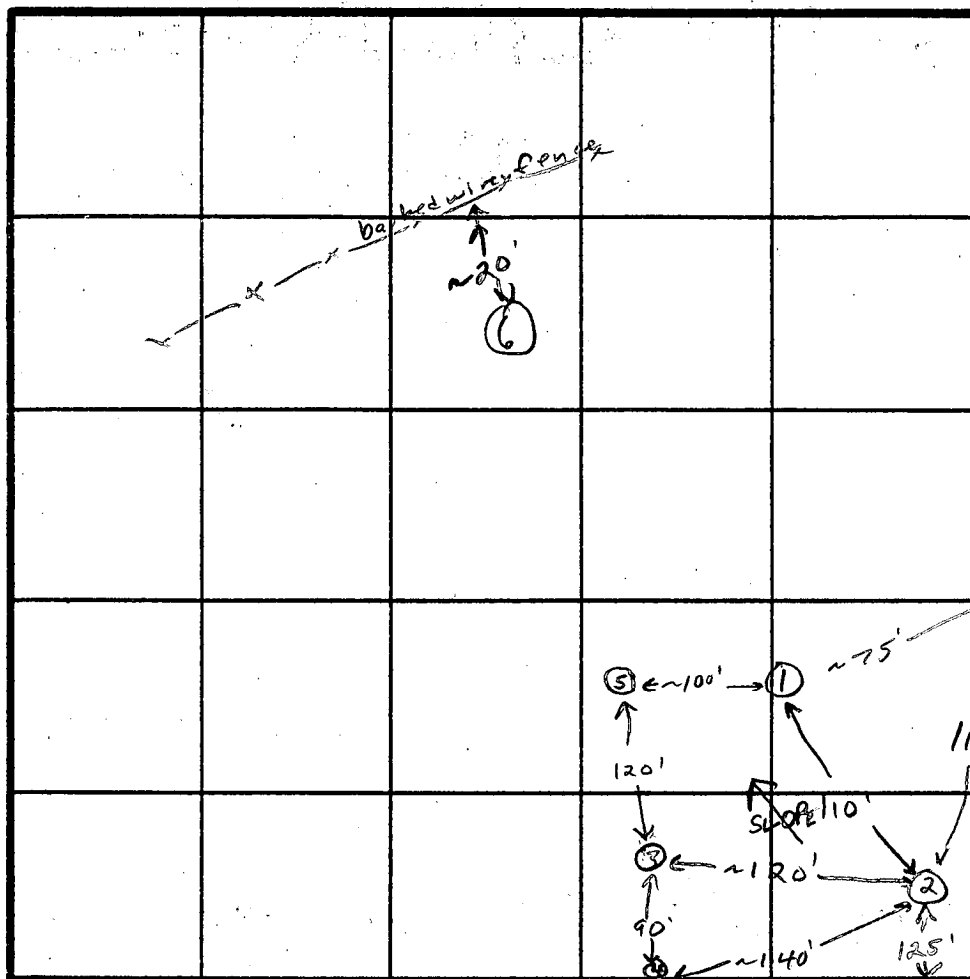
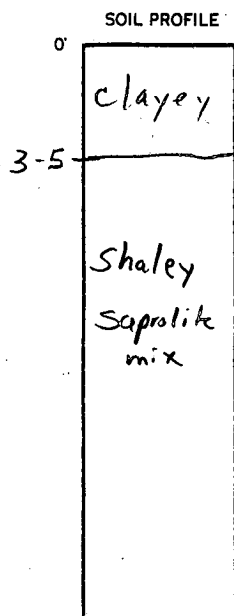
HOLD PENDING FURTHER TESTS _____

DATE _____

REASONS FOR REJECTION OR HOLDING

Too rapid perc test times & Rock.

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Parking lot
Dirt Road

Watersville Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/28/83	1	4'	3:05	3:06	3:06	3:10	4 min
	1A	8'	2:59	2:59:30	2:59:30	3:00	30 sec. Fails
	1B	11'					
	2 high	4 1/2'	3:12	Pulled peg 3:12 1/4" Long			Fails
	2A	8'	3:12	3:12:15	3:12:15	3:12:40	25 sec. Fails
	2B	11'					
	3	4'	3:27	3:34	3:34	3:48	14 min
	3A	8'	3:26	3:27	3:27	3:28	1 min. test pit Lg @ 3' 30" FAILS
	3B	11'					
	4		Clayey to 4'. Shaley/Saprolite mix below				
	4A	8'	3:36	3:36:20	3:36:20	3:37:30	70 sec FAILS
	5	10'	Rocky throughout; clayey to ~3'				
	6	11'	Clayey to ~2'; rocky below				

REMARKS 4/28/83 Fail test due to rapid time of pore & Rock F.S.

TYPE OF SOIL clayey to 3-4', Rocky below

TESTED BY F.S.

ALSO PRESENT Sirk & Jr.

EH-12-1079

SOIL DESCRIPTION

Soil type Glenelg loam mapping unit (G1B2)

Jackson/Tyler Prop
File No.

Area Lisbon, Howard Co.

Date 1-25-85

Stop No. TR3

Classification

Location

N. veg. (or crop) Corn

Climate

Parent material

Physiography

Relief

Drainage low

Salt or alkali ---

Elevation

Gr. water > 72 inches

Stoniness ---

Slope 2%

Moisture

Aspect

Root distrib.

% Clay *

Erosion

% Coarse fragments *

% Coarser than V.F.S. *

Permeability

Additional notes

* Control section average

Horizon	Depth in	Color		Texture	Structure	Consistence			Reaction	Boundary				
		Dry	Moist			Dry	Moist	Wet						
A _p	0-9	10YR 9/9	—	silt-frag										
B ₁	9-11	7.5YR 5/11	—	cl	block									
B ₂	11-28	7.5YR 5/6	—	cl	2mbk									
B ₃	28-36	7.5YR 5/6	—	chl- chcl	2mbk							15		
C ₁	36-48	Variegated		chl	mas							Struct. Seprol		
C ₂	48-72	Variegated		vehl	mas							Struct. Seprol		
				Stopped at 72 inches										> 50%

SOIL DESCRIPTION

Soil type Glenelg loam mapping unit (G1B2)

Jackson / Tyler Prop
File No.

Area Lisbon, Howard Co.

Date 1-25-85

Stop No. TP-2

Classification

Location

N. veg. (or crop) Corn

Climate

Parent material

Physiography

Relief

Drainage WD

Salt or alkali

Elevation

Gr. water > 90 inches

Stoniness

Slope 2%

Moisture

Aspect

Root distrib.

% Clay *

Erosion

% Coarse fragments *

% Coarser than V.F.S. *

Permeability

Additional notes

THIS HOLE QUESTIONABLE. 1-24-85 CW

* Control section average.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary	Notes
		Dry	Moist			Dry	Moist	Wet			
A ₀	0-9	10YR 3/3	—	1	1 fgr	fr				as	5-10% C.F.
B ₁	9-14	7.5YR 5/6	—	1-cl	1-2 msk	fr				cs	< 10% C.F.
B ₂	14-31	7.5YR 5/6	—	cl	2 msk	fr				cs	< 10% C.F.
B ₃	31-42	7.5YR 5/6	—	cl-ch	2 msk	fr				cs	~ 20% C.F.
C ₁	42-52	7.5YR 5/6	~ 10YR 5/6	chl	mass	fr				—	~ 30-50% C.F.
C ₂	52-90	Variegated 7.5YR to 5YR 5/6	—	chl	mass	—				—	Strongly saprotic ~ 50% C.F.
	(52-60 in upper boundary)										WH rock
											Stopped at 90 inches

SOIL DESCRIPTION

Soil type Glenely loam mapping unit (G1B2)

Jackson/Tyler
File No.

Area Lisbon, Howard Co.

Date 1-25-85

Stop No. TR-1

Classification

Location

N. veg. (or crop) Corn

Climate

Parent material

Physiography

Relief

Drainage WD

Salt or alkali ---

Elevation

Gr. water > 84 inches

Stoniness ---

Slope 2%

Moisture Moist

Aspect

Root distrib. ---

% Clay *

Erosion None to slight

% Coarse fragments *

% Coarser than V.F.S. *

Permeability

Additional notes

~~THIS OK FOR~~ THIS HOLE OK FOR SHALLOW. 1-24-85 CW

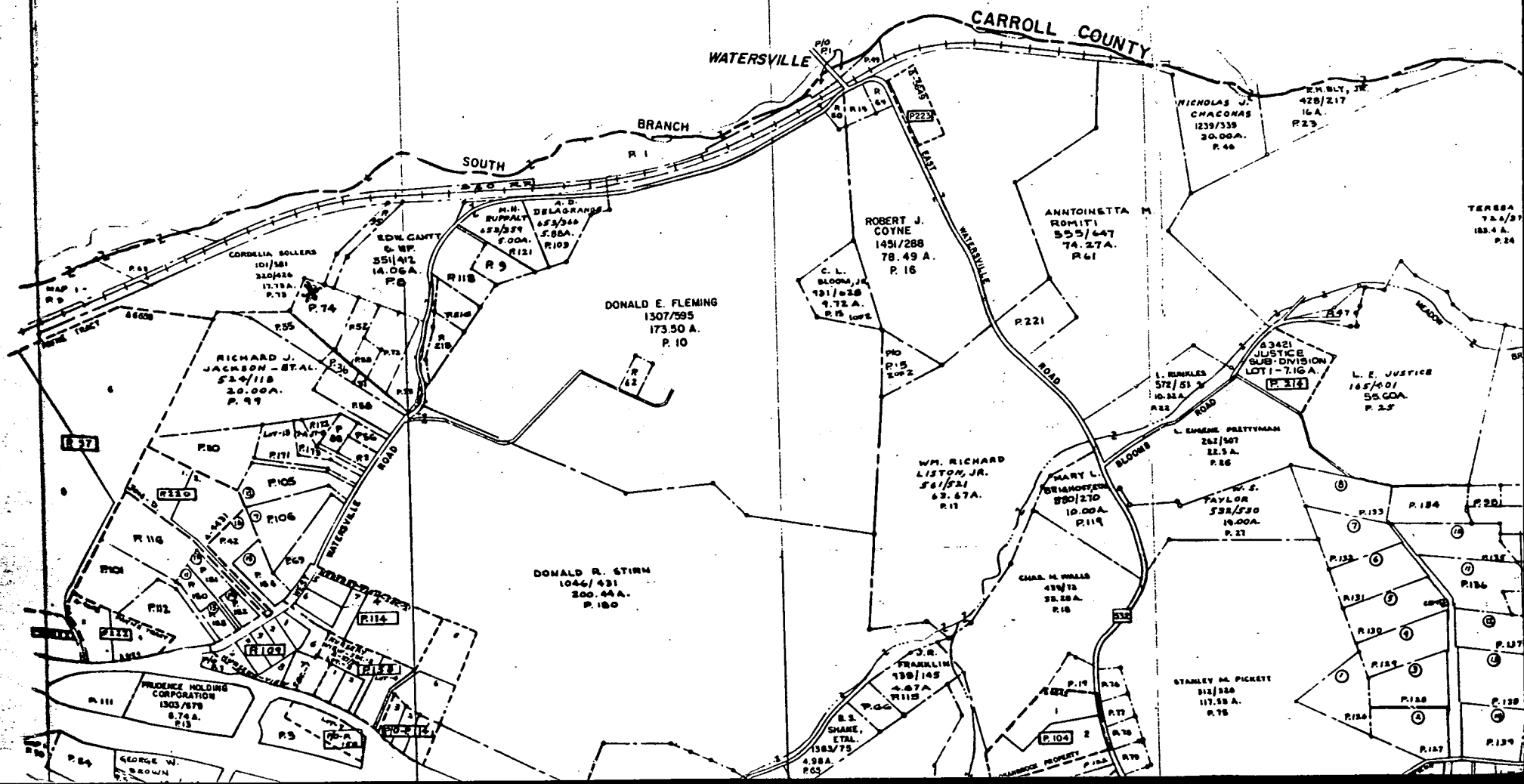
* Control section average

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary				
		Moist Dry	Moist Moist			Dry	Moist	Wet						
Ap	0-12		---	cl										
B1	12-32	10YR 5/6	---	sil cl										
B3	32-48	10YR 5/6	---	cl										
C1	48-66	Variegated 10YR 4.5/6 to 5YR 5/6		ch										- more silt
C2	66-84	Variegated 10YR 5/6 to 5YR 5/6		chl chcl										- Struct 2.0-3.0 cf.
														Stopped at 84 inches

John Dorsey
HO-81-2561

Map 2
Q 13
P 74

CARROLL COUNTY
MAP 76



W. WATERSVILLE Rd.

31.45

A(1)

Collapsed
House

125

270

4

33

18

303

15

90

+12

+20

A- 6"

B- 24" Silty Loam 10-20% fine SAPROLITE

C- 60" SAND LOAM >50% SAPROLITE

Below 60" to 72" COARSE SAPROLITE TO STRUCTURED SAPROLITE AT 6'

A(2)

CENTER L COLLAPSED HOUSE

AP= 11"

B, 18" >50% FINE TO MEDIUM SAPROLITE

C, 18"- 72" COARSE SAPROLITE STRUCTURED AT 40"

NOT SUFFICIENT FOR SITE

303 FROM (R) LOT LINE

AND 125 FROM FRONT LOT LINE

AS SEEN FROM ACCESS ROAD OFF W. WATERSVILLE Rd.

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH

ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 461-9933

461-9933

January 29, 1985

Mr. Richard Jackson
634 W. Watersville Road
Mt. Airy, Maryland 21771

Dear Mr. Jackson:

The percolation testing on your 3.956 Acre Parcel on Watersville Road (Tax Map 2, Parcel 74) was completed on January 25, 1985. One satisfactory septic reserve area was established by that testing and it is considered a buildable lot.

Please understand that there was not enough suitable ground to establish two septic reserve areas. Consequently, no subdivision of the property can be considered.

For your information I have enclosed a copy of a plat showing the approved septic reserve area and a statement describing where the septic system must be located.

If you have any further questions relative to this matter, please contact me at 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Acting Director
Water and Sewerage Program

CW:jr

Enclosure

B 1 8398

SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-2561

(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

fill in this form completely

Date Received

020288

OWNER INFORMATION

DORBEY JOHN

1727 THOMPSON DRIVE

EASONSVILLE MD 21754

DRILLER INFORMATION

GEORGE F. EASTERDAY 40

L.F. EASTERDAY, INC.

945 BROWN CHURCH RD MT AIRY

George F. Easterday 2/6/88

B 3

LOCATION OF WELL

HOWARD

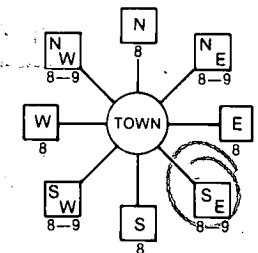
MAP 2 Q13 P74

SECTION 44 46 LOT 48 50

MT AIRY

MILES FROM TOWN (enter 0 if in town) 73 76 77 78

B 4

DIRECTION OF WELL FROM
TOWN (CIRCLE BOX)

(ROAD/OFF) W. WATERSVILLE RD

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

NORTH N WEST W SOUTH S EAST E

DISTANCE FROM ROAD

ENTER FT or MI 600 FT

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
- ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
- ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- ☒ BORED (or Augered) ☐ JETTED ☐ JETTED & DRIVEN
- ☒ AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic/Rotary)
- ☐ CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT

other

REPLACEMENT OR DEEPEMED WELLS
(CIRCLE APPROPRIATE BOX)

- ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL
- ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
- ☐ THIS WELL WILL DEEPMEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE 100 INITIALS PERMIT NO. 40-81-2561

SPECIAL CONDITIONS

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME

A32606

COUNTY NO.

OEP
SIGNATURESTATE HEALTH
INSERT S

DATE ISSUED

021788 B Nipon 08/17/88

NORTH GRID

556 0 0 0

EAST GRID

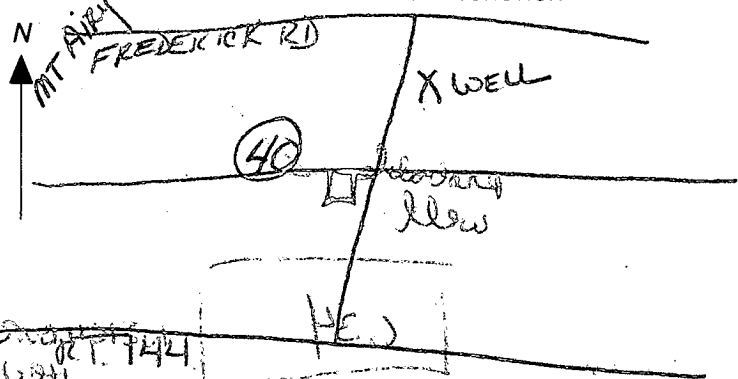
0766 0 0 0

SHOW MAJOR FEATURES OF
BOX & LOCATE WELL

WITH AN X

SOURCES OF DRILLING WATER

- WELL
-
-

WRITE THE BOX NUMBER
FROM THE MAP HEREE 7666
N 5506DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN
RELATION TO NEARBY TOWNS AND ROADS AND GIVE
DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2561
 Location of property (road) West Watersville Road
 Subdivision T. Tyler Property Lot 1 Block Plat Sec. 1
 Well Driller Easterday Owner John Dorsey
 Depth of well 400 ft
 Distance of measuring point (M.P.) above ground 2 ft
 Static water level (S.W.L.) below M.P. 70

I. High rate pumping -- reservoir drawdown

Time pump started 10:45 Pumping rate 10 gpm
 Total time 15 min to reach pumping water level 131 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 #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
1:09 pm	135.5 ft.	40 sec		1.5 gpm
1:14 pm	135.5 ft.	40 sec		1.5 gpm
1:24 pm	137.2 ft.	40 sec		1.5 gpm
1:29 pm	137.6	41 sec		1.46 gpm
1:34 pm	137.4	60 sec		1.0 gpm
1:45 pm	136.5	58 sec		1.03 gpm
1:54 pm	134.0	60 sec		1.0 gpm
REVIEW COMPLETED REPORT: CAREFULLY BE FOR APPROVAL 3/13/88 CW				
3-10-88 Pump installed at 399 ft. H ₂ O sample H1405 taken at 1:06 pm. Slightly cloudy (white - air bubbles) Driller mentioned a slow drop in depth at 45 sec. He reduced time to 40 seconds. Water continued to drop slowly. Increased time to 60 seconds and water level came up about 1 ft / 10 minutes. Well was hydrofractured. NE Nadeau				

C12165

SEQUENCE NO.
(OEP 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

A32606

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

030826

400

HC-81-2561

OWNER

STREET OR R.F.D.

SUBDIVISION

T. TYLER PROP. MAP 2 P. 34

SECTION

LOT

1

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	
B ₁ Shale	2	25	
Tan Slate	25	39	
B ₁ Slate	39	40	
Tan Slate	40	70	
Bl Slate	70	75	
B ₁ Slate	75	80	
Bl Slate	80	108	
B ₁ Slate	108	110	✓
Bl Slate	110	143	
B ₁ Slate	143	144	
Bl Slate	144	158	
B ₁ Slate	158	160	
Bl Slate	160	400	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT ☒ BENTONITE CLAY ☒

NO. OF BAGS 10 NO. OF POUNDS 1000

GALLONS OF WATER 50

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft to 27 ft

CASING RECORD

casing types insert appropriate code below

STEEL ☒ CONCRETE ☒

PLASTIC ☒ OTHER ☒

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch)

Total depth of main casing (nearest foot)

57 6 37

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

6

PUMPING RATE (gal. per min. to nearest gal.)

1

METHOD USED TO MEASURE PUMPING RATE

Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING

70

WHEN PUMPING

126

TYPE OF PUMP USED (for test)

A air P piston T turbine

C centrifugal R rotary O other (describe below)

J jet S submersible

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.

40

DRILLERS SIGNATURE

Henry J. Gontard

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

Bruce Shampine

OTHER CASING (if used)

diameter inch

depth (feet) from to

SCREEN RECORD

screen type or open hole

insert appropriate code below

STEEL ☒ BRASS ☒ OPEN HOLE ☒

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 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN

(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

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)

Well 100' →

Front Lot Line

Page 3-10-88 of 10:00
Date 3-10-88

Review 3-28-88 S. Hall

oh

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO-81-2561
Location of property (road) 626 R.O.W. OFF W. WATERSVILLE ROAD
Subdivision T. TYLER PROP. MAP 2 P. 74 Lot 1 Block 1 Plat 1 Sec. 1
Well Driller GEORGE EASTERDAY Owner DORSEY, JOHN

Depth of well 400 16 pm
Distance of measuring point (M.P.) above ground 24'
Static water level (S.W.L.) below M.P. 70'

I. High rate pumping -- reservoir drawdown

Time pump started 10:45 Pumping rate 10 gpm
Total time 15 min to reach pumping water level 131' 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 #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:15	132	40 sec	Pump set 395	1 1/2
11:30	132	40 sec		1 1/2
11:45	132	40 sec	Joe W. W. W.	1 1/2
12:00	132	40 sec		1 1/2
12:15	134	40 sec		1 1/2
12:30	134	40 sec		1 1/2
12:45	135	40 sec		1 1/2
1:00	135	40 sec		1 1/2
1:15	136	40 sec		1 1/2
1:30	137	40 sec		1 1/2
1:45	135	60 sec		1 9 pm
2:00	134	60 sec		1 9 pm
2:15	132	60 sec		1 9 pm
2:30	131	60 sec		1 9 pm
2:45	129	60 sec	Change in flow not good with drawdown a low yield well.	1 9 pm
3:00	129	60 sec		1 9 pm
3:15	129	60 sec		1 9 pm
3:30	121	60 sec		1 9 pm
3:45	121	60 sec		1 9 pm
4:00	123	60 sec		1 9 pm
4:15	125	60 sec		1 9 pm
4:30	126	60 sec		1 9 pm
4:45	126	60 sec		1 9 pm
5:00	126	60 sec		1 9 pm

HD-224
5/15

126

60 sec

1 9 pm