

PERMIT

03-313379

P 512785

SEWAGE DISPOSAL SYSTEM

A 38637

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 10-28-1999

BUREAU OF ENVIRONMENTAL HEALTH

DATE SYSTEM APPROVED 3/21/00

~~XXXXXX~~

410-313-2640

INSPECTOR JKS

Fogles Septic Clean Inc.

IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 580 Obrecht Road, Sykesville, MD 21784

PHONE 410-795-5670

SUBDIVISION Willow Highlands LOT 14 ROAD 1728 Willow Springs Drive

PROPERTY OWNER Catonsville Builders

ADDRESS _____

TOP SEAMED SEPTIC TANK

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240 ✓

PUMPED SEPTIC SYSTEM REQUIRED

INSTALL: 1-1250 GALLON TOP SEAMED PUMP CHAMBER

NOTES: - Septic pump detail to be provided by installer prior to issuance of septic permit.
- Pump performance test is necessary prior to Health Department approval of pumped septic system.

TRENCHES - Trench to be 3 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 3.5 feet below original grade. Effective area begins at 2.0 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Beginning at the front right lot corner, when facing the lot from Willow Springs Drive, place the distribution box 120 feet down the right lot line and 10 feet off the same lot line. Run trenches along contour toward the front and rear lot lines. Maintain a minimum of 100 feet to all wells.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 8/24/99-SRV

PLANS APPROVED BY Jane Nadeau/Amy McMillen

DATE 8/16/1999

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(5-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

B.D.G. PERMITS SIGNED

AND RETURNED 3/19/00

PUMP 1300/225 \$38
LP TANK

A-38637

Hand-drawn site plan on a grid. The grid has horizontal coordinates (50, 100, 150, 200, 250) and vertical coordinates (50, 100, 150, 200, 250). The plan shows a house on the left, a well (Well Ho-88-1913) at the top right, and a large rectangular area labeled "80' LONG EACH TRENCH" and "100'". A path leads from the house to the trench area, with a dimension of "42' to lot line" at the bottom. An "OBS. PORT" is marked on the trench area with a dimension of "4'". A "PVC sleeve" is shown with dimensions "40'" and "10'". A "Well" is located "110'" from the trench area. Other dimensions include "75'", "25'", "65'", "18'", "5'", and "80'".

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 SERTIC TANK LEVEL OK - 1250 gal t.s. septic tank Willow Springs Drive 6" on S.T.
OK - 1250 gal t.s. pump CLEANOUTS one at house 4"
 DISTRIBUTION BOX LEVEL OK

DATE SYSTEM APPROVED 3/27/00 INSPECTOR _____

APPLICATION

PERCOLATION TESTING

A 38637

P _____

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

1/2

DISTRICT _____

DATE _____

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 Catonsville Builders

ADDRESS _____ PHONE 410-750-1200

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Willow Highlands LOT NO. 14 Retest

ROAD AND DESCRIPTION 1728 Willow Springs Drive

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. 800/14667
SFA-4BRMS 8/16/99

(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 228-91 Marginal soils at highest

elevations, well site and house site are lost. JEN

THIS IS NOT A PERMIT



SOIL PROFILE

[illegible]

Willow Springs Drive

E. Prop line Prop. Carnex

6

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-28-91	10:30 open A	13.0 V	Perched	H ₂ O at 4.0 ft			Failed
			Mottles	at 2.0 ft			
			Water	at 9.0 ft	Caved at 4.0 ft		
	10:45 open B	13.5 V	Seeps at	6.5 ft			Failed
			Mottles	at 1.5 ft			
			Water	at 8.0 ft	Caved at 10.0 ft		
3-1-91	9:00 am E	3.5 S 7 M	11:36 11:35	11:37 11:37	11:37 11:37	11:39 11:41	2 min 4 min
		12.5 D	Bottom				OK
	9:30 am F	2.5 S Same D	11:47 11:50	11:48 11:51	11:48 11:51	11:49 11:54	1 min 3 min
		11.0 D	Water	at 9.5 ft	after 5 hrs		Marginal

Water at 80
10.5 Bottom

REMARKS

TYPE OF SOIL

TESTED BY

Holes E, F, G, H, 3 - Marginal

ALSO PRESENT

Alan Ketterman
Harc.

APPLICATION

PERCOLATION TESTING

A 38637

P _____

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

2/2

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Willow Highlands LOT NO. 14 Retest

ROAD AND DESCRIPTION Willow Springs Drive

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ 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 _____

HD-216

THIS IS NOT A PERMIT

A 38637

(G)

SOIL PROFILE

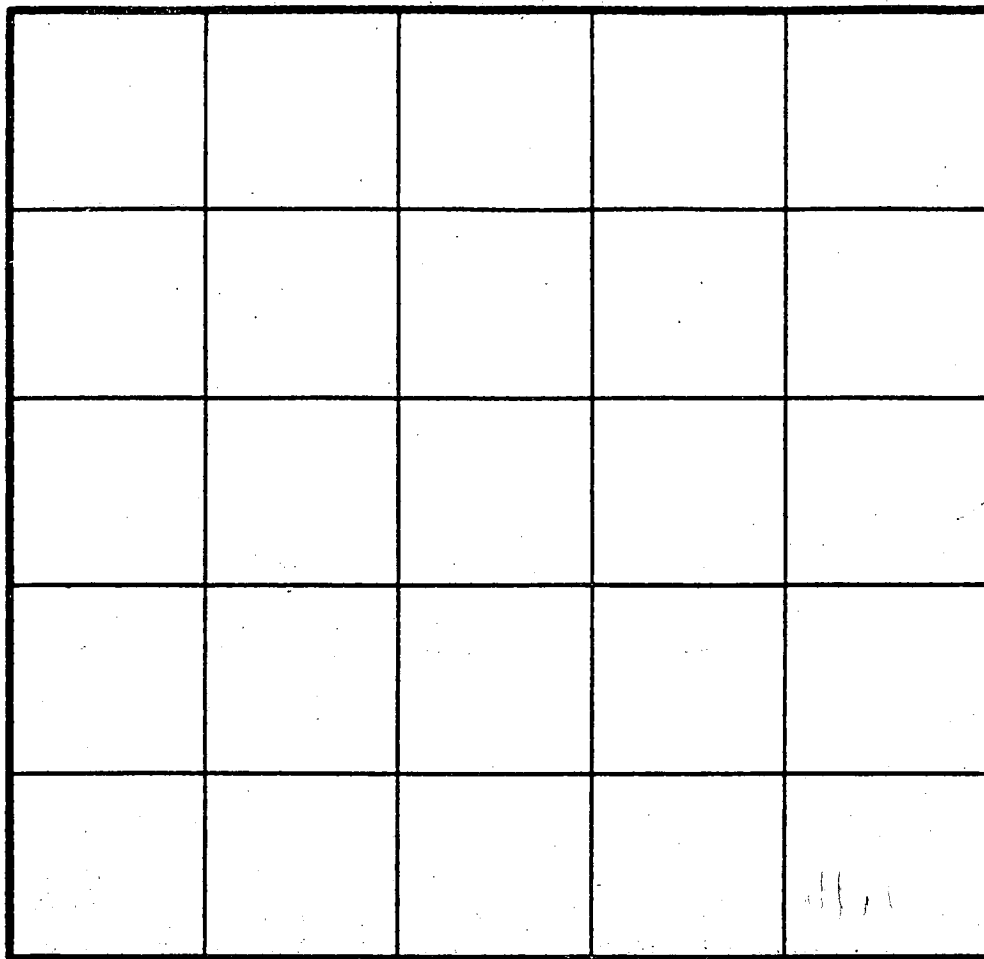
0-1.0 Dk-br
silt, org.

1.0-4.0 Br silt

4.0-13.0 Yellow-br
mottled
ssil, some
dark mineral
deposits
Mottles
at 7.5 ft

Water at
12.5 ft

13. Bottom



(D)

0-1.0 Dk br
silt

1.0-3.0 Rd-br
silt

3.0-13.0 Br silt,
Some
lenses
of biotite
L 20% -
saproducte

13.0 Bottom
Water
at 12.0 ft

Mottles - 6.0 ft

(H)

0-1.0 Dk br
org silt

1.0-4.5 Br silt

4.5-14.0 Yellow-br
ssil,
lenses
of biotite
slight
mottles
at 10.0 ft

14.0 Bottom
Dry

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-1-91	11:00 G	3.5 S 13.0 D	12:00:02	12:05	12:05	12:15	10 min
			Water at 12.5 ft. after 4 hrs				
			Mottles at 7.5 ft.				ok
	11:00 am H	14.0 V	Mottles at 10.0 ft. - Dry				ok
	8:00 am C	10.5 V	Mottles at 3.5 ft. after 7.5 hrs				Fail
	8:30 am D	13.0 V	Water at 12.0 ft. after 7 hrs				
			Mottles 6.0 ft Marginal				

REMARKS

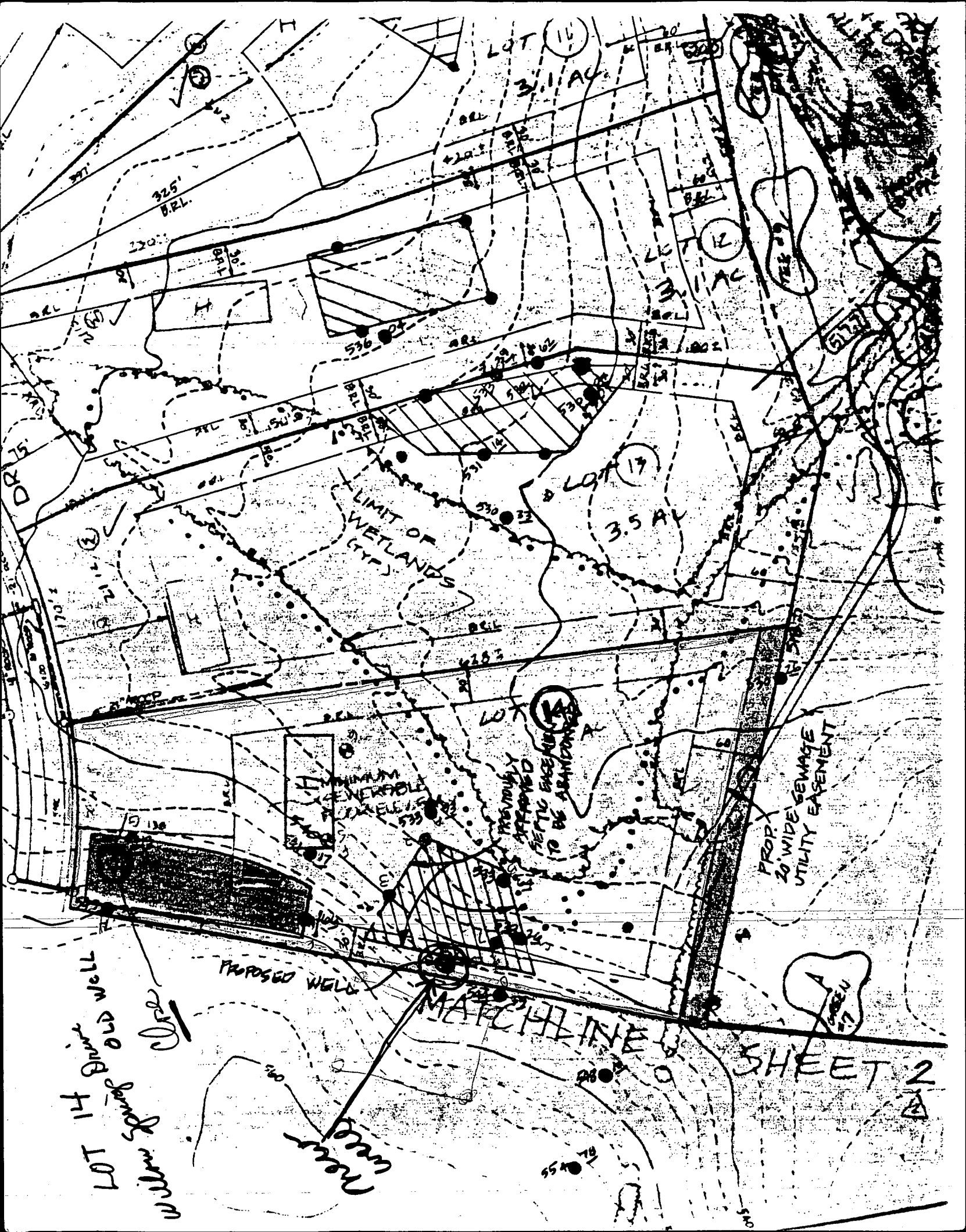
TYPE OF SOIL

TESTED BY

J.E. Nadeau

ALSO PRESENT

O. Ketterman



LOT 11
3.1 AC

LOT 12
3.1 AC

LOT 13
3.5 AC

LIMIT OF
WETLANDS
(TYP)

MINIMUM
PERMISSIBLE
FLOW

PROPOSED
SEPTIC TANK
(TO BE ABANDONED)

PROPOSED
20' WIDE SEWAGE
UTILITY EASEMENT

LOT 14 Drive well
willow spring

PROPOSED WELLS

MARCHINE

SHEET 2

APPLICATION

PERCOLATION TESTING

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

A 38637

P _____

DISTRICT 3

DATE 12-16-1986

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 WILLOW SPRINGS LIMITED PARTNERSHIP
16801 WESLEY CHAPEL ROAD
ADDRESS MONKTON, MARYLAND 21111 PHONE 347-8700

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION: Highlands
SUBDIVISION WILLOW SPRINGS GOLF COURSE LOT NO. 14
ROAD AND DESCRIPTION N/S U.S. RTE 70 N AT LIVE STOCK ROAD

TAX MAP 9 & 15 PARCEL # 151 & 11
SIZE OF LOT 3.0 Ac.± 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. WILLOW SPRINGS LTD. Partner
By Thomas C. Jones
(SIGNATURE OF APPLICANT)

APPROVED BY Freddie FOR Standard touch DATE 6-2-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-14-87 PERC SATISFACTORY; HOLD FOR SUBDIVISION RAT. S.A.W.
1-18-88 - R TEST BORDER LINE SITUATION HOLD FOR DISCUSSION WITH SID
& GRAIL OK/88

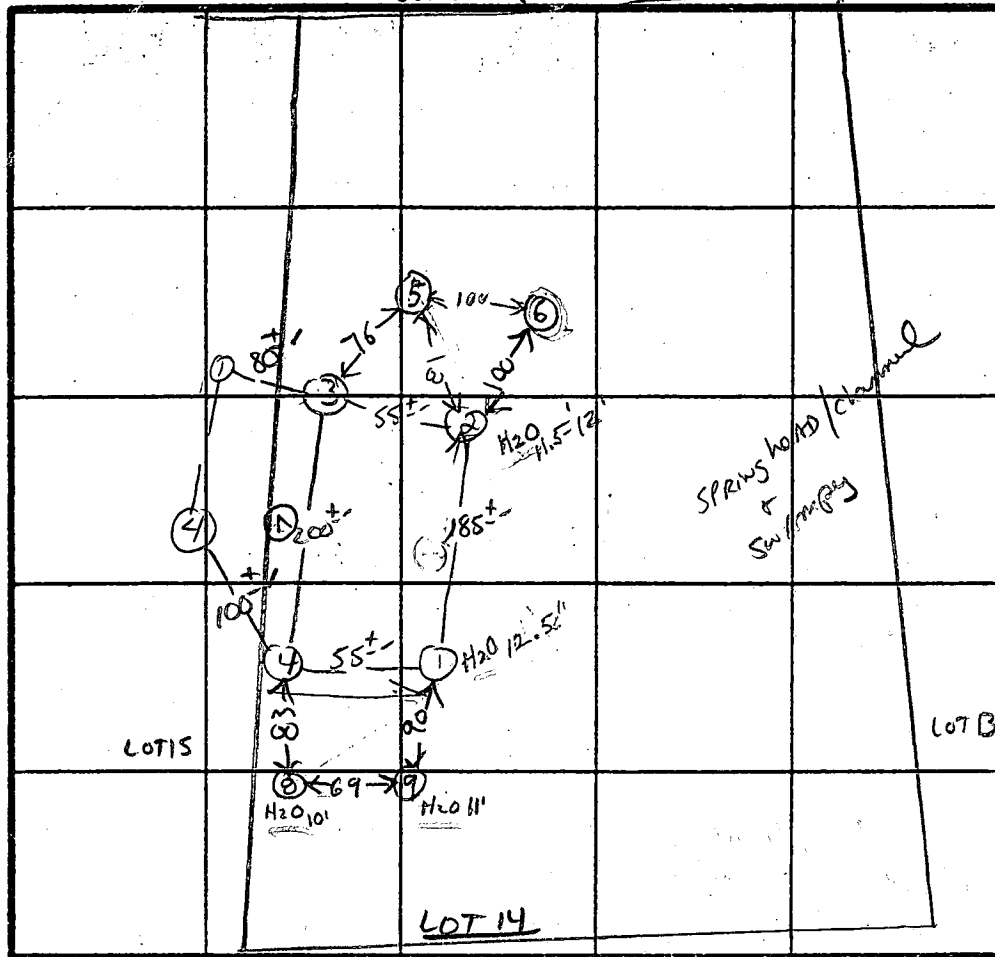
THIS IS NOT A PERMIT

Willow Sp. Ct.

12

① → ④
SOIL PROFILE

12"
AP.
Yellow
Silt/Clay
15-20% clay
SATURATED
w/ H₂O
15-20% quartz
FRAGS
4"
Yellow → BK
Silt/Clay
15-20%
FRAGS
11.5-12.5
13-13.5



X PERC
250 #1BR
INLET 3.5
BOTTOM 5

⑨
CLAY
TOPSOIL
4
LIGHT
BROWN
SAND
SILT
LOAM
11-12
WATER

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/87	1 S	4.5'	2:48	2:59	2:59	3:19	20 MIN
	1 V	13"	UNIFORM SOIL below		3.5'	WATER AT 12.5'	
	2 S	4.5'	2:50	2:55	2:55	3:02	7 MIN
	2 V	13.5'	UNIFORM SOIL below		4.0'	WATER AT 12' WET AT 11.5'	
	3 V	12.5'	UNIFORM SOIL below		3.5'		
	4 S	4.5'	3:08	3:11	3:11	3:15	4 MIN
	4 M	8'	3:07	3:09	3:09	3:16	7 MIN
	4 V	12'	UNIFORM SOIL below		4'		
11/18/88	5 S	5'	2:32	2:42	2:42	2:53	11
	5 V	10.5'	WATER 10.1'				
11/18	6 V	10	NOT TESTED CLAY				7 FT
11/18	7 S	5'	2:57	3:14	3:14	3:39	25
	7 V	1.0					
11/18	8 S	5.5'	3:10	3:12	3:12	3:14	2
	8 V	11	WATER 10 FT				
11/18	9 S	5 1/2'	3:17	3:37	3:37	3:57	20
	9 V	12	WATER 11 FT				

REMARKS: NOTES DIFF. THAN PLAT. / Shallow Syst only
MELTING SNOW TONAT 11/18/88
TYPE OF SOIL: CLAY
TESTED BY: S. Abel
ALSO PRESENT: O-KETTERMAN 85 UN
R. H. G. C.

⑤
CLAY
TOPSOIL
4
BROWN
YELLOW
SILT
SAND
LOAM
WATER

⑦
BROWN
CLAY
TOPSOIL
4
TAN
SAND
SILT
LOAM
HARD

⑧
CLAY
TOPSOIL
5 1/2
BROWN
SAND
LOAM
FEW
PEBBLES
10-12-1079
WATER

Well Permit No. HO - 88-1913

Location of property (road) WILLOW SPRINGS DR

Subdivision WILLOW ~~SPRING~~ HIGHLANDS Lot 14 Block Plat Sec.

Well Driller RALPH MAYNE Owner WILLOW SPRINGS LTD.

Depth of well 165 ft

Distance of measuring point (M.P.) above ground 2 ft

Static water level (S.W.L.) below M.P. 13 ¹⁰

Time pump started 8:45 Pumping rate 10 Gpm
Total time 15 min to reach pumping water level 17 ft. below M.P.

[illegible]

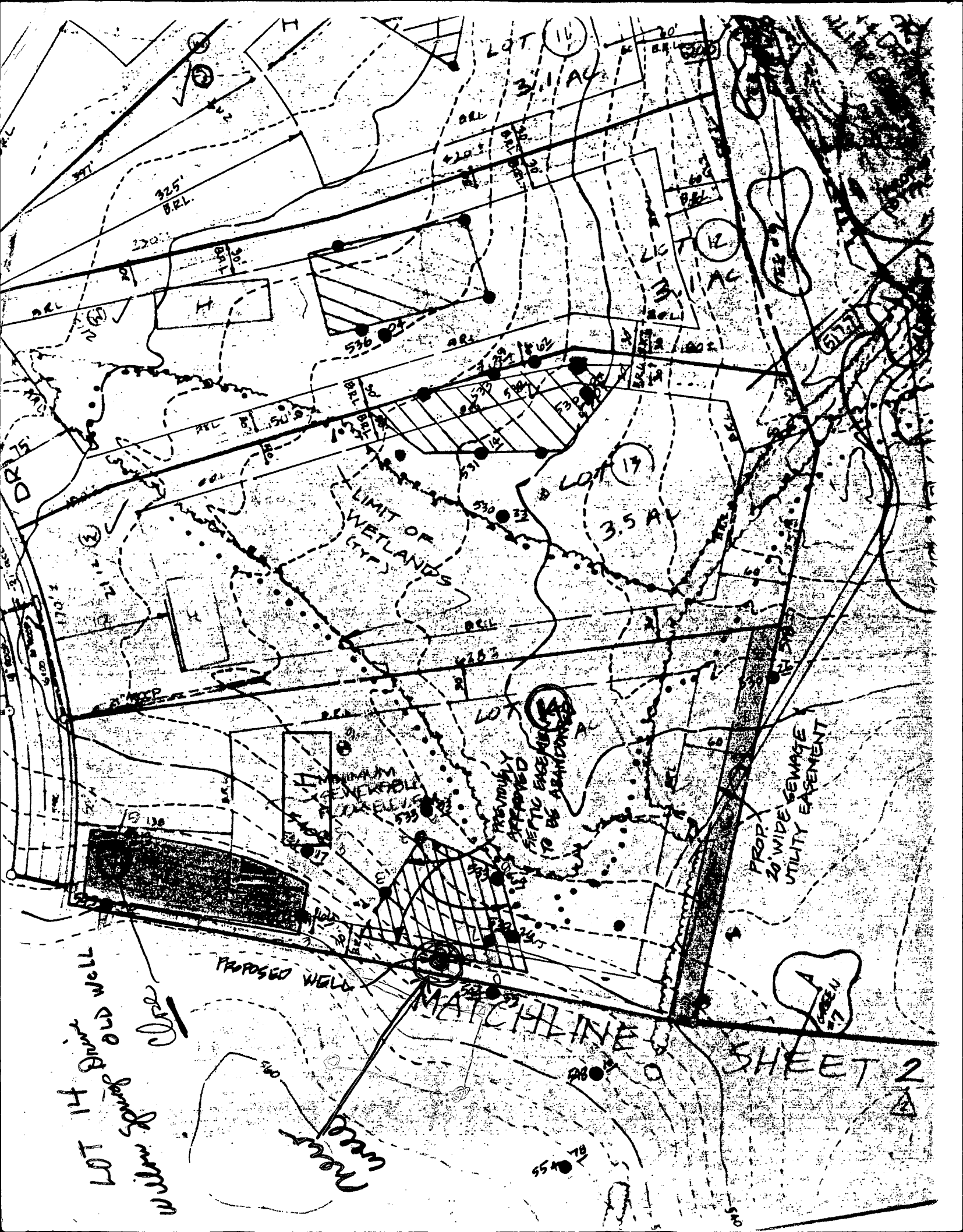
Well Permit No. HO - 88-1913

Depth of well 165 FT
Distance of measuring point (M.P.) above ground 2 FT
Static water level (S.W.L.) below M.P. 13

Time pump started 845 Pumping rate 10 GPM
Total time 15 to reach pumping water level 17 ft. below M.P.

[illegible]

B 1 2668	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER H0-88-1913 fill in this form completely
Date Received (APA) 060691		B 3 LOCATION OF WELL	
OWNER INFORMATION 15 Last Name WILLOW SP. 21 36 Owner 16801 42 57 Street or RFD WESTLEY CH RD 55 70 State 72 MONTGOMERY 76 Zip 202111		8 COUNTY HOWARD 21 23 SUBDIVISION WILLOW HIGHLANDS 42 SECTION 1 44 46 LOT 14 48 50 52 NEAREST TOWN WEST FRIENDSHIP 71 MILES FROM TOWN (enter 0 if in town) 1 73 76 77 78 MI	
DRILLER INFORMATION Driller's Name Ralph MAYNE 77 License No. 80 273 Firm Name Ralph Mayne Well Drilling Address 9120 Brown Church Rd. Mt Airy Signature Ralph Mayne 5/31/91 Date		B 4 WILLOW SP DR. 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 200 37 DISTANCE FROM ROAD ENTER FT or MI AT 38 39	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME Howard COUNTY NO. A 38637 STATE SIGNATURE Craig Wilkin INSERT, S 12/6/91 41 DATE ISSUED 43 060691 48 CO SIGNATURE EXP. DATE NORTH GRID 540000 50 55 EAST GRID 0809000 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 8009 N 5400 000 000	
APPROXIMATE DEPTH OF WELL 150 24 28 FEET APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH		6/12/91 ① 58 FT Coary ② 40 FT open hole ③ 23 Bags ④ Location OK ⑤ well OK	
METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ 30 AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ 37 CABLE ☐ REVerse-ROTary ☐ Drive-POINT ☐ other _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD, JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) ☐ N THIS WELL WILL NOT REPLACE AN EXISTING WELL ☒ Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 ☐ S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ 54 GAP _____ 63 FORCE CW WRITE INITIALS IN BOX PERMIT No. H0-88-1913 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS			



LOT 11
3.1 AC

LOT 12
3.1 AC

LOT 13
3.5 AC

LIMIT OF
WETLANDS
(TYP)

MINIMUM
10' WIDE
UTILITY EASEMENT

PROPOSED
20' WIDE EASEMENT
UTILITY EASEMENT

MATCHLINE

SHEET 2

LOT 14 Drive Well
WILLOW SPRING OLD WELL

PROPOSED WELL

NEAR

Lat 25

Lat 25

Well Tag # H0881913

issued by CW on

6/16/91

56 F Turner

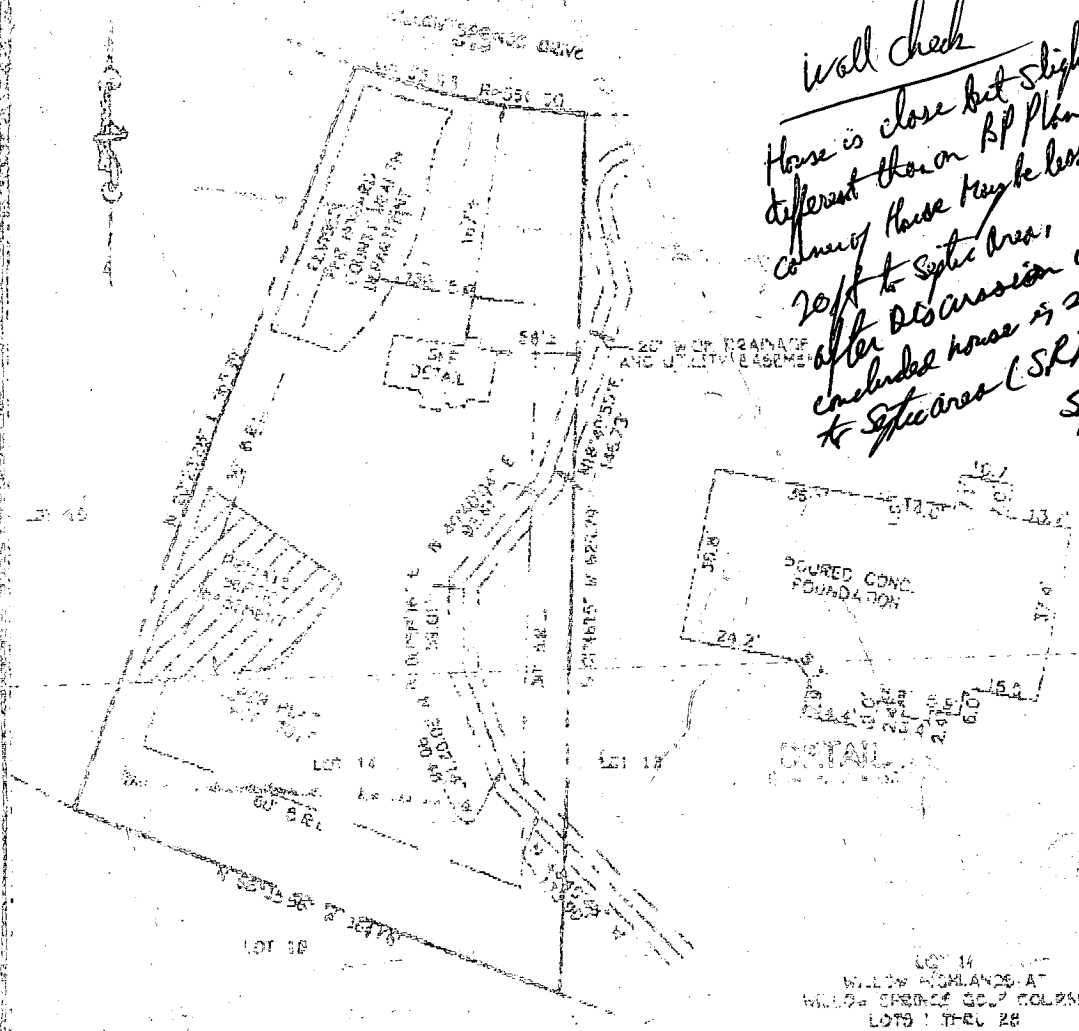
165 deep

GENERAL NOTES:

1. THIS PLAT IS PREPARED FOR THE BENEFIT OF THE OWNER IN OBTAINING THE HOUSE LOCATION SURVEY APPROVAL FORM AS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTINGENT TRANSFER, FINANCING OR RE-FINANCING, UNLESS INDICATED AS BEING A BOUNDARY SURVEY. THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

2. SUBJECT PROPERTY IS SHOWN IN ZONE 1 ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP, EFFECTIVE 1/1/83, HAZARD INSURANCE PANEL NO. 22000A 0000 B.

3. THE DISTANCE FROM CURB TO LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1/4" = 1'.



Wall check
 House is close but slightly
 different than BP Plan
 corner house may be better
 20ft to Septic Area
 after discussion we
 conclude house is 20ft
 to Septic Area (SRA) ok for house
 Septic Pumps

1. ALL BUILDING RESTRICTION LINE
 2. FOUNDATION LINE

LOT 14
 WILLOW HIGHLAND AT
 WILLOW SPRING GOLF COURSE
 LOTS 1 THRU 28
 1/4 SECTION DISTRICT
 HOWARD COUNTY MD
 PLAT BPT 7920

ARTHUR G. GILES & SONS, INC.
 1000 W. 10th St.
 Annapolis, MD 21403
 (410) 261-1111



HOUSE LOCATION DRAWING

FOUNDATION LOCATION 10/1/85
 FINAL LOCATION
 BOUNDARY SURVEY

SCALE: 1" = 100'
 DATE: 10/1/85
 DRAWN BY: J.E.
 CHECKED BY: C.C.
 PROJECT NO. 2334

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

~~461-3333~~
313-2640

STEVE

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒
Replacement ☐

Receipt #
Date

11/15/2000

Name of Installer GEE C. FRYFEE PLUMBING, INC.

Telephone 410-815-0300

License Number 9081

Certified Well Pump Installer ☐

Well Driller ☐

Registered Plumber ☒

Name of Property Owner CATONSVILLE HOMES

Telephone 410-750-1200

Subdivision WILLOW SPRINGS

Lot # 14

Well Tag # HO-88-1913

Site Address 1748 WILLOW SPRINGS DRIVE

Pump

1. Type

- a. Deep well jet ☐
b. Shallow well jet ☐
c. Submersible ☒

2. Make JAW221

3. Model # SANOHANAR

4. Capacity 7 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 ☐

Motor

1. Horsepower 3/4

2. RPM ☐

3. Voltage ☐

a. 110 ☐

b. 230 ☒

Pitless Adapter

1. Make HAERD

2. Model # PIB00

3. Depth 42"

Tank

1. Capacity WX250

2. Pressure relief valve? YES

Piping

1. Type POLYETHYLENE

2. Size 1"

3. NSF and/or BOCA Code approved ☒

4. Depth of supply line 42"

Well data

1. Depth 220 ft.

2. Yield 8 GPM

3. Static water level ☐ ft.

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.

2/10/00-WPI-OK

(SRV)

Signature of Applicant: [Signature]

Date: 11/15/2000

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

TAX MAP 9 & 15
THIRD ELECTION DISTRICT
SCALE: 1" = 50'

PARCEL 145
HOWARD COUNTY, MARYLAND
DATE: JULY, 1999

C1 2496 SEQUENCE NO. (DENV USE ONLY)
1 2 3 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 A38637

DATE Received
8 13

DATE WELL COMPLETED
15 20
060689

Depth of Well
22 26
165
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
28 29 30 31 32 33 34 35 36 37
HO-88-0652

OWNER Willow Sp. Dr last name Willow Sp. Dr first name West Friendship
STREET OR RFD WILLOW HIGHLANDS SECTION 14 LOT 14
SUBDIVISION WILLOW HIGHLANDS

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	
Sandy	2	45	✓
Sand/Stone	45	50	
MICKA	50	75	
Sand Stone	75	80	✓
MICKA	80	165	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes ☒ no ☐
TYPE OF GROUTING MATERIAL
CEMENT ☒ BENTONITE CLAY ☐
NO. OF BAGS 9 NO. OF POUNDS 500
GALLONS OF WATER 54
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 45 ft.
(enter 0 if from surface)

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)
☒ 6 55

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

SCREEN RECORD
screen type or open hole insert appropriate code below
STEEL ☐ BRASS ☐ OPEN ☒
BRONZE ☐ HOLE ☐
PLASTIC ☐ OTHER ☐

C2
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 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
1 HO 53 165

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA
T (E.R.O.S.) WQ
70 ☐ 72 ☐ 74 75 76

C3
PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min. to nearest gal.) 10
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 15
WHEN PUMPING 14
TYPE OF PUMP USED (for test)
☒ air ☐ piston ☐ turbine
☐ centrifugal ☐ rotary ☐ other (describe below)
☐ jet ☒ 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)
Road
30'
140'
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. 273
Ralph Wayne
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

Well Permit No. HO - 88-0652
Location of property (road) Willow Sp. Dr
Subdivision WILLOW HIGHLANDS Sp. Lot 14 Block Plat Sec.
Well Driller R Mayne Owner Willow Sp. Ltd

I. High rate pumping -- reservoir drawdown

Time pump started 8:45 Pumping rate 10 GPM
Total time 15 min to reach pumping water level 16 ft. below M.P.

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

[illegible]

WELL ABANDONMENT REPORT

Date JUNE 12 1991

Permit Number of abandoned well (if any)

H0-88-0652

Driller's Name

MAYNERalph

Last

First

Owner's Name

WILLOW Springs Limited

Last

First

Well Location:

County

Howard

Subdivision

WILLOW HIGHLANDS

Section

ILot 14

Nearest Town

West Friendship

Maryland Grid Location

Box Number

E

809

N

540

0/5	5/5
0/0	⊗ 5/0

Show well location by (x) within box

Type of Well

- ☒ Drilled
☐ Jetted
☐ Bored or Augered
☐ Other, specify:

Depth of Well 165 Feet

Type of Casing

- ☐ Steel
☒ Plastic
☐ Concrete
☐ Other, specify:

Size of Casing 6 1/4 Inches

Was any case removed ☒ Yes ☐ No
 if yes amount removed 2 (feet)

Was casing ripped or perforated ☐ Yes ☒ No

Log of Sealing Material

Material	Feet	
	From	To
TYPE II Cement	0	20
Blue Stone	20	165

Driller

Ralph MayneLicense # 223

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0652
Location of property (road) Willow Sp. Dr.
Subdivision WILLOW HIGHLANDS Sp. Lot 14 Block Plat Sec.
Well Driller R. Mayne Owner Willow Sp. Ltd

Depth of well 165
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 1.5

I. High rate pumping -- reservoir drawdown

Time pump started 8 45 Pumping rate 10 gpm
Total time 15 MIN to reach pumping water level 16' ft. below M.P.

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

[illegible]

