

7-9-91
am
7-10-91
1:30 pm

03-313298

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 47/68
A 38630
DISTRICT 3rd
DATE 6/4/91
DATE SYSTEM APPROVED 7-10-91
INSPECTOR JEN

Walter W. King Plumbing & Heating Contractors IS PERMITTED TO INSTALL ALTER

ADDRESS 5305 King's Court, Frederick, Maryland 21702 PHONE 301-662-6990

SUBDIVISION Willow Highlands ROAD 1747 Willow Springs Dr. LOT 7

PROPERTY OWNER Pulte Homes IKA BOTNER

ADDRESS _____

~~IF GARBAGE GRINDER IS USED IN THIS SYSTEM XXXX CAPACITY BY 50% AND ABSORPTION TRENCH BY 25%~~

~~GARBAGE GRINDER XXXXX XXXXXXXXXXXXXXXXXXXX~~

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 220 sq.ft. per bedroom. 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 - From the left front lot corner, place the distribution box approximately 120' down the left (439.43) lot line and 95' off that lot line. (Distribution box should be 100' from well). Run trenches along contour toward 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. OK(CW)

INSTALL SYSTEM HIGHER ON LOT IF POSSIBLE, S.W. OK RH 5/28/91

PLANS APPROVED BY Craig Williams cm DATE 05/17/89

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

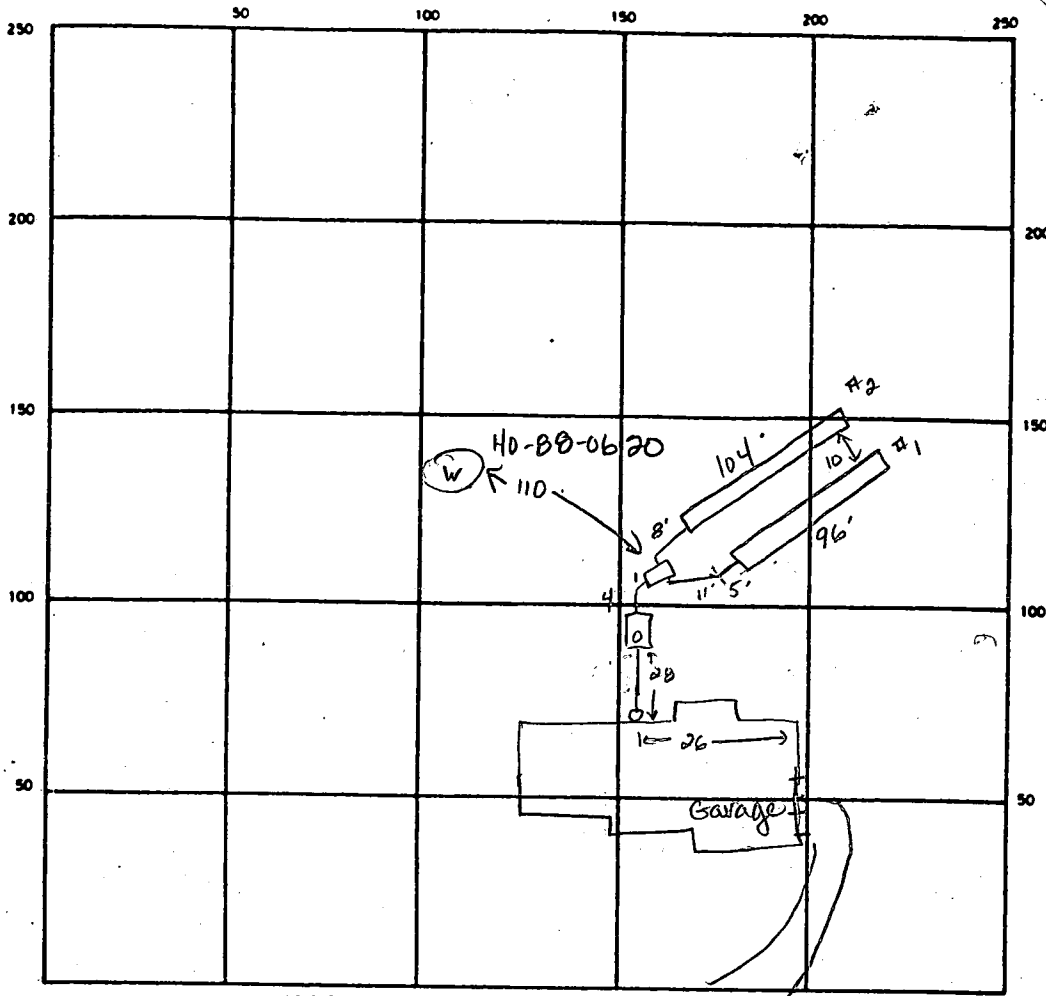
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS
- NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)
- NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES
- 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

BLDG. PERMIT SIGNED
AND RETURNED 9/2/93
Serial # 57655 - deck

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 38630



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE
 Willow Springs Drive

SEPTIC TANK. LEVEL 1250 gal CLEANOUTS 1st house, 1 on septic tank

DISTRIBUTION BOX. LEVEL Baffle in box - ok

DRAIN FIELD/TILE FIELD. DEPTH 9.0 9.0 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.5 4.5 FT.

EFFECTIVE GRAVEL DEPTH 4.5 4.5 FT. TOTAL LENGTH 96 104 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 432 468 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 900 SQ. FT.

REMARKS 7-9-91 ok to stone trenches, add pipe & paper. JEN
7-10-91 ok to cover all work. JEN

DATE SYSTEM APPROVED 7-10-91 INSPECTOR Jane E. Maden

23
10

APPLICATION

PERCOLATION TESTING

A 38630

P _____

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

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 Plte Home Corp
16801 WESLEY CHAPEL ROAD 921-8707
ADDRESS MONKTON, MARYLAND 21111 PHONE 347-8700

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION WILLOW SPRINGS GOLF COURSE LOT NO. 7

ROAD AND DESCRIPTION N/S U.S. RTE 70 N AT LIVE STOCK ROAD
1747 Willow Springs Dr

TAX MAP 9 & 15 PARCEL # 151 & 11
SIZE OF LOT 3.0 Ac.F 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 INC Partner
By James [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY [Signature] FOR [Signature] DATE 5-22-89

REJECTED BY _____ FOR _____ DATE _____

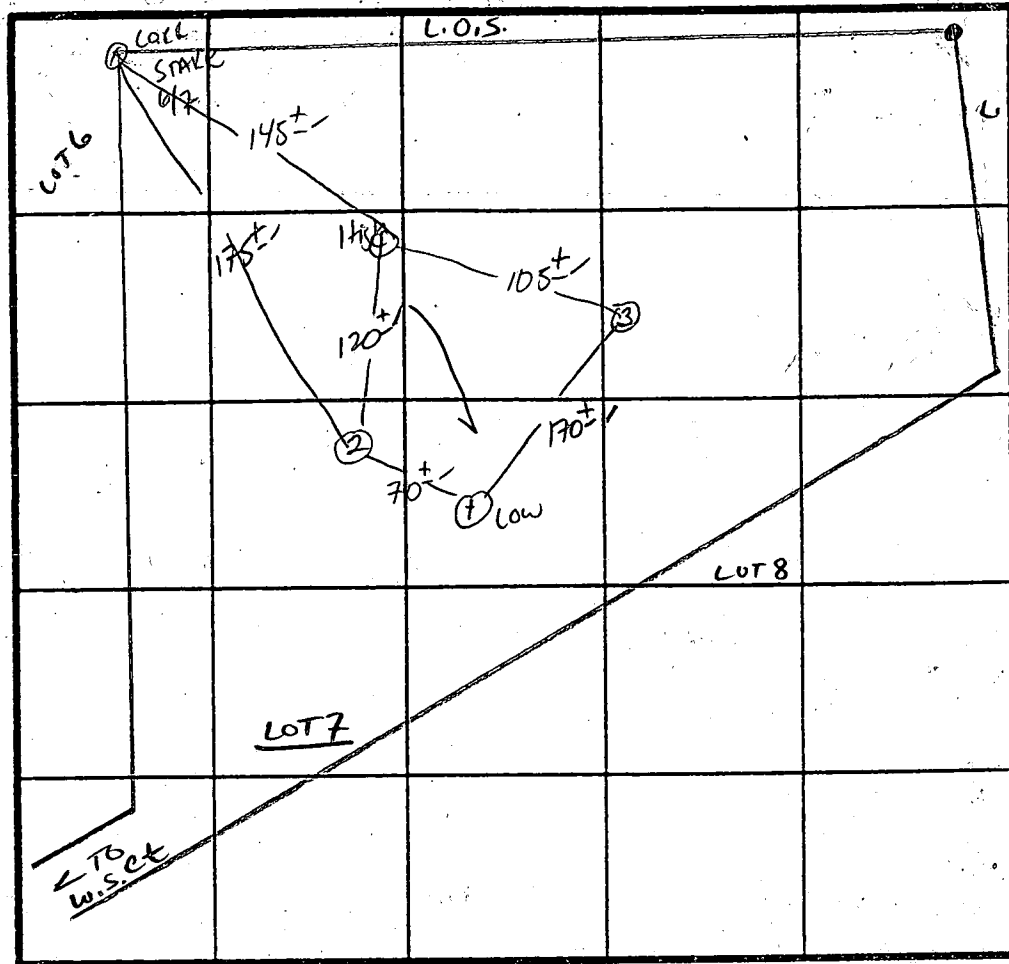
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-14-87 Perc. Oct 1987 - hold for subdivision plat. S. Alce

BLDG. PERMIT SIGNED
AND RETURNED 3/3/91
Serial # 36819 - SFP

BLDG. PERMIT SIGNED
AND RETURNED 5-22-89
Case BP 25941 8AP

THIS IS NOT A PERMIT



Iron Peg

① - ④
SOIL PROFILE

0'	AP
12"	Yellow Red Silt loam 9-12% clay 15-20% frags
4'	Yellow Bl./ Yellow Red Silty SAND Loam 20-30% Frags
12.5'	

̄ Perc 10min
180#/BR
Inlet 4.5
Bottom 9.0

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	1S 1V	4' 13'	10:16	10:25	10:25	10:42	17 min
	2V	12.5'	uniform soil below		4.0'		
	3S 3V	4' 12.5'	10:17	10:23	10:23	10:38	15 min
	4S 4M	4' 8'	10:22	10:25	10:25	10:30	5 min
	4V	13'	10:23	10:25	10:25	10:28	3 min

EH-12-1079

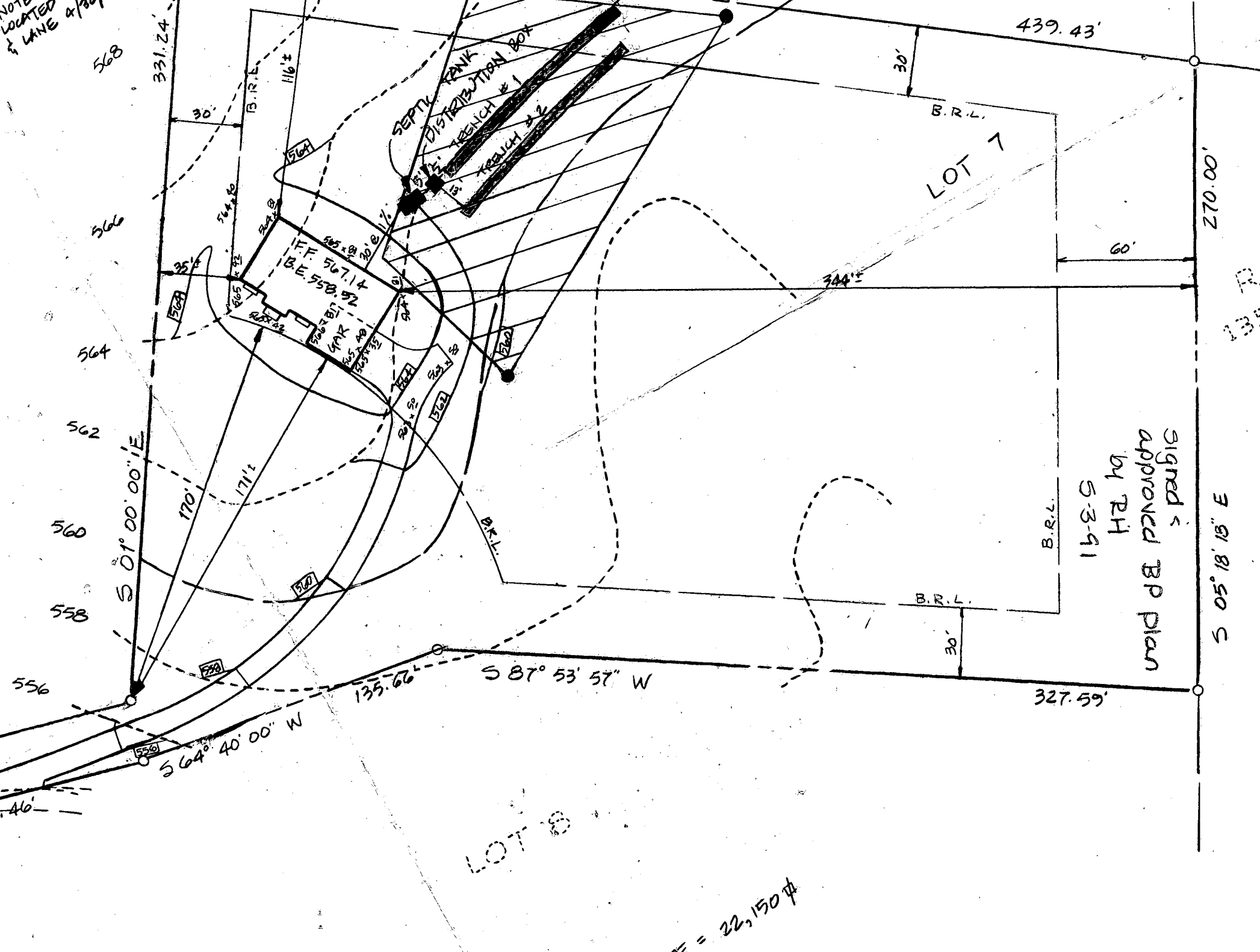
REMARKS Holes diff than plat

TYPE OF SOIL Chester

TESTED BY S. Allen ALSO PRESENT D. K. ...

NOTE: WELL
LOCATED BY SHANKS
& LANE 4/30/91

EX. WELL



Signed &
approved BP plan
by RH
5-3-91

LOT 8

AREA = 22,150 sq ft

S 01° 00' 00" E

S 64° 40' 00" W

S 87° 53' 57" W

E 91° 18' 15" E

439.43'

270.00'

327.59'

331.24'

170'

171'

135.66'

30'

30'

60'

344'

30'

116'

35'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

30'

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 # 47162
Date 6/3/91

Name of Installer Walter W. King Plbg. & Htg. Contr, Inc Telephone 301-662-6990

License Number Md 2217
Certified Well Pump Installer Well Driller Registered Plumber x

Name of Property Owner Pulte Homes Telephone 301-921-8707
Subdivision Willow Speings Lot # 7 Well Tag # HO -88 - 0620
Site Address 1747 Willow Springs DR

Pump

- Type
 - Deep well jet
 - Shallow well jet
 - Submersible x
- Make Goulds
- Model # 5 ES 05422
- Capacity 5 GPM
- Pump exceeds well capacity? Yes No zx
- If Yes, is low pressure cutoff switch installed? Yes No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards x Other

Motor

- Horsepower 1/2
- RPM 3500
- Voltage
 - 110
 - 220 x

Pitless Adapter

- Make Martinson
- Model # BP-10 K
- Depth 42" min
60" max

Tank

- Capacity 42
- Pressure relief valve? yes

Piping

- Type plastic 160#
- Size 1"
- NSF and/or BOCA Code approved x
- Depth of supply line 42" min
60" max

Well data

- Depth 185 ft.
- Yield 10 GPM
- Static water level ft.
- Will water supply be disinfected by installer? yes

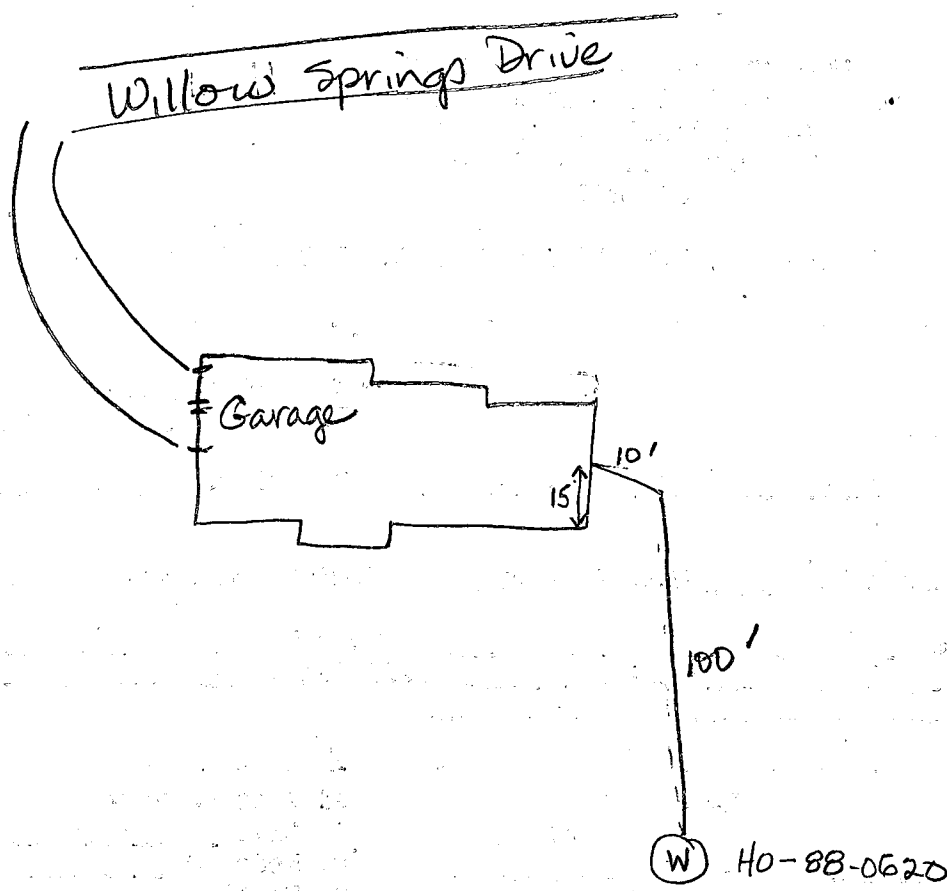
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Walter W King

Date: May 30, 1991

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



7-10-91

Pitless adaptor at 46 inches below grade.
Well line at 48 inches below grade. House
connection ok. No pump tank installed yet.
NENadeau

B 1 7953

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-88-0620

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

please print or type

fill in this form completely

Date Received (APA)

051089

OWNER INFORMATION

WILLOW SP Limited

16801 WESTLEY CH RD

MONTGOMERY MD 21111

B 3

LOCATION OF WELL

HOWARD COUNTY

WILLOW HIGHLANDS

SECTION 1

LOT 7

WEST FRIENDSHIP

MILES FROM TOWN (enter 0 if in town) 1 MI

DRILLER INFORMATION

Ralph Mayne 273

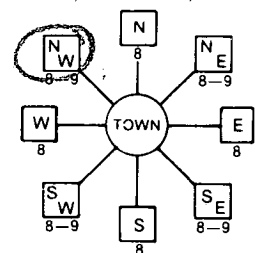
Ralph Mayne Well Drilling

9120 Brown Church Rd. Mt Airy

Mt Airy 5/1/89

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



WILLOW SP. DR.

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 600

ENTER FT or MI FT

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home, Farming, Industrial, Public or Private Water Company, Test, Observation, Monitoring

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A38630

COUNTY NAME COUNTY NO.

DATE ISSUED 051789

COUNTY SIGNATURE EXP. DATE

NORTH GRID 540000 EAST GRID 081000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6" INCH

METHOD OF DRILLING (circle one)

- Bored, Jetted, Air-Rotary, Air-PerCussion, Rotary, Cable, Reverse-Rotary, Drive-Point

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

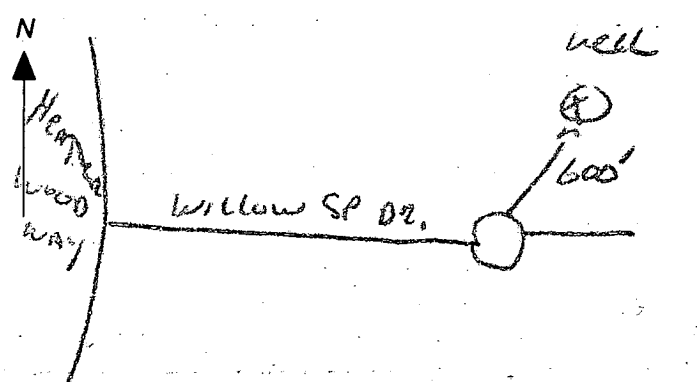
SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

840

540

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)

- 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 deepen 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 CW PERMIT NO. HO-88-0620

SPECIAL CONDITIONS

