

4-3-89
10AM

5/8/89 pm
5/9/89 LATE AM

03-312453

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 43888

A 38159

DATE 3/20/89

DATE SYSTEM APPROVED 5/9/89

INSPECTOR Rjt

Dave Hopkins IS PERMITTED TO INSTALL X ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION Meadowood ROAD 1212 Crystal Ridge Road LOT 29

PROPERTY OWNER VISION BUILDERS Richard + Shannon Winston

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 140 feet up the right (389.70') and 75 feet off the same lot line as seen when facing the lot from Crystal Ridge Court. Run trenches on contour toward the right 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

PLANS APPROVED BY Sid Abel DATE 7/15/88

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 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 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

BOG. PERMIT SIGNED AND RETURNED 4/7/89
Serial # 33203 - check

BOG. PERMIT SIGNED AND RETURNED 3/5/89

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS. Serial # 31394
Interview Allocation

A 38159

APPLICATION

PERCOLATION TESTING

A 38159

P _____

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

DISTRICT _____

DATE 11/28/86

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 Springhill Associates - c/o D.S. Thaler & Associates, Inc.

ADDRESS 11 Warren Road, Baltimore, MD 21208 PHONE (301) 484-4100

PROSPECTIVE BUYER N/A Vision Builders

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 5229

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road
Howard County, Maryland 1212 Crystal Ridge Rd.

TAX MAP 10 PARCEL # 139

SIZE OF LOT 3+ Acres TYPE BLDG. Single Family
(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.

Mike Seelye
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Dup System DATE 7-15-88

REJECTED BY CW [Signature] FOR REDESIGN - UNITS HOUSE & W6CC ST DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12/11/80 Perc Satisfactory; Hold for Subdivision Plat S. Abel

EDG. PERMIT SIGNED
AND RETURNED 7-26-88

138 19875 SAU

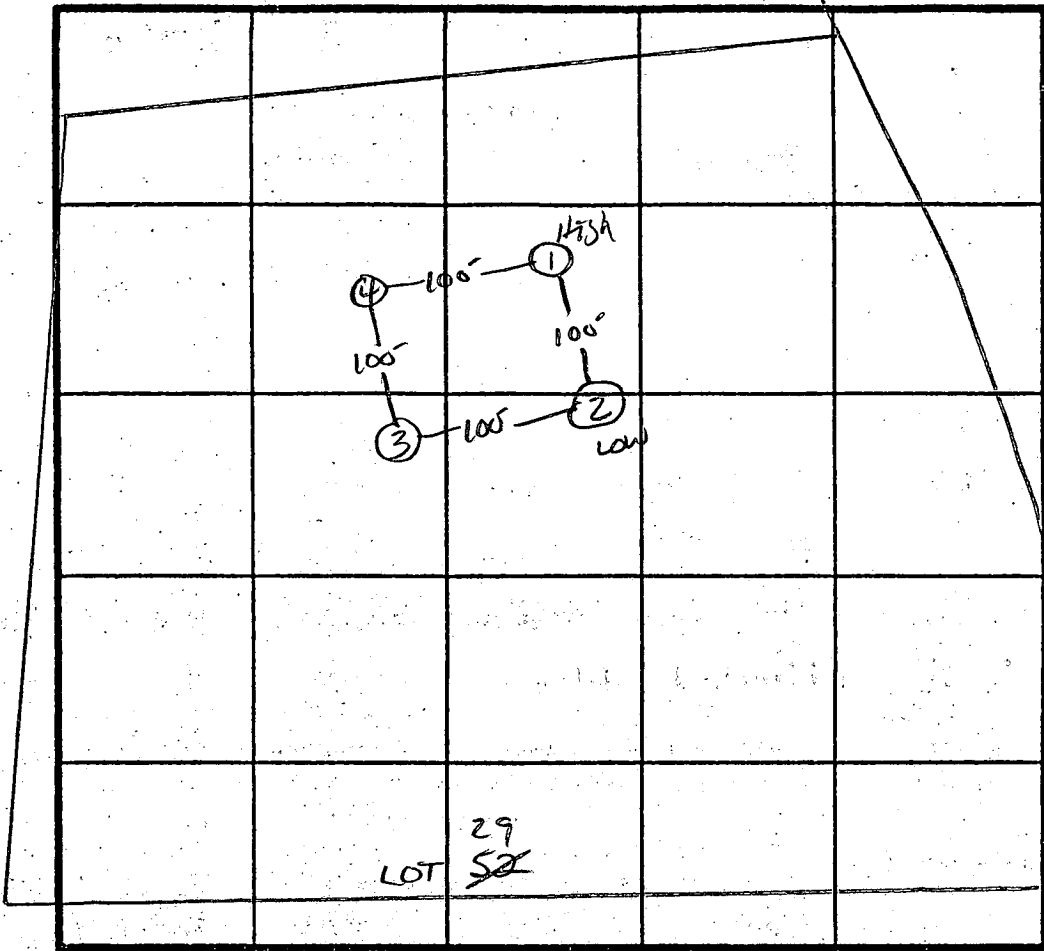
THIS IS NOT A PERMIT

SOIL PROFILE

0'
4" A1-3
Yellow Red
Si & loam
9-12% clay
(10% FeOx)

4"
Yellow Br
Highly
micaceous
Si & sand
loam
20-25%

12-
13"



X Perc
Smin
180°/BR
INLET 4
BOTTOM 8

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
V. TO HANCOCK RD.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/1/80	1 S M	4.5'	11:12	11:14	11:14	11:17	3 min
		8'	11:14	11:18	11:15	11:17	2 min
	1V	13'	UNIFORM SOIL below 4'				
	2S	4'	11:28	11:32	11:32	11:41	9 min
	2V	12'	SAME AS #1				
	3S	4'	11:44	11:46	11:46	11:52	6 min
	3V	12.5'	SAME AS #1				
	4V	12'	SAME AS #1				

REMARKS Holes Perc PLAT

TYPE OF SOIL Glenny

TESTED BY S. Hall

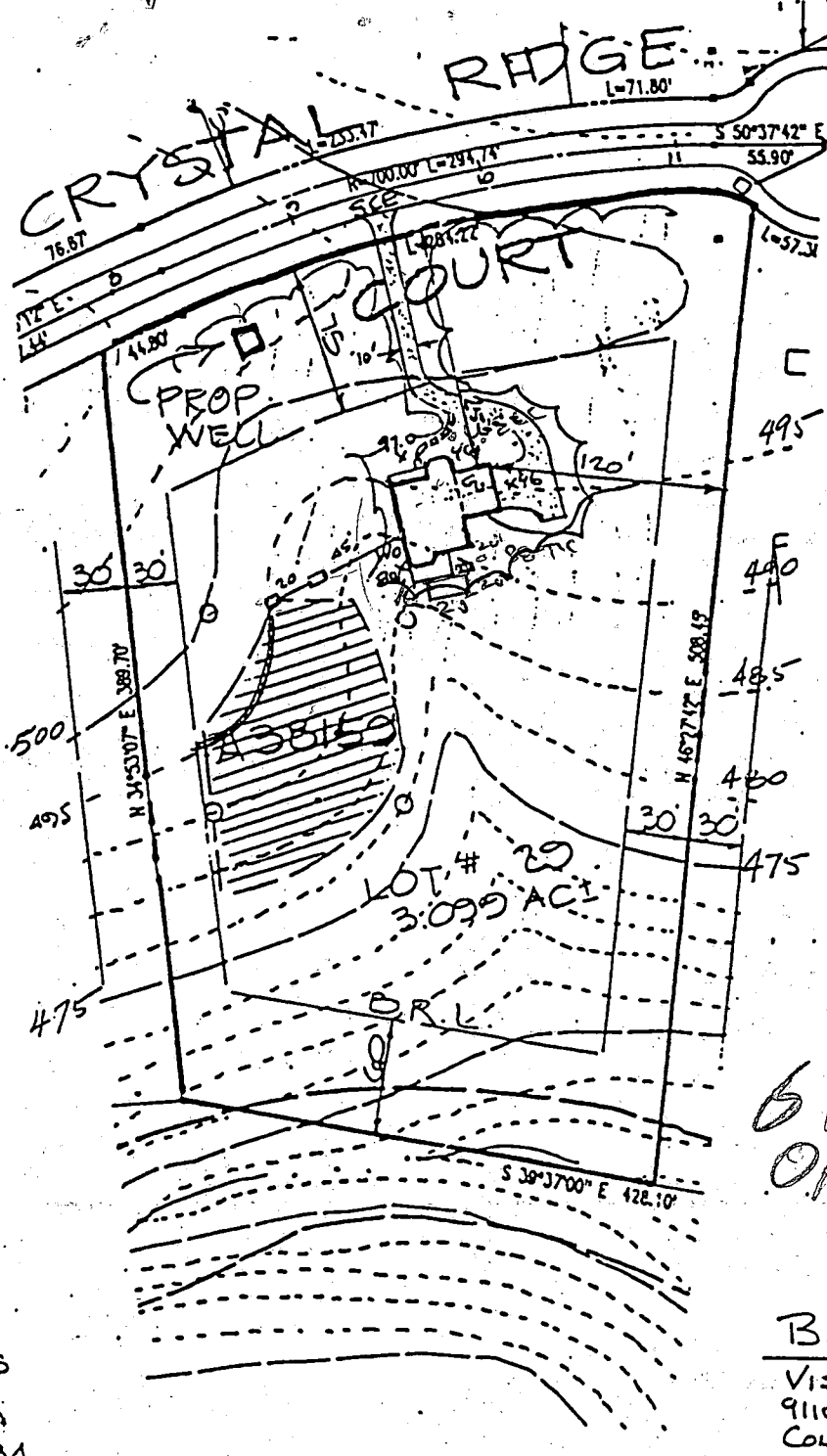
ALSO PRESENT DUNER/FYOCK & CO.

EH-12-1079

HOUSE NUMBER 11

AKW

AKW



ELEV.
 BASE SLAB 488.8
 GEN. SLAB 496.5
 F.F.L.R. 498.5

DISTO. BOX
 EXISTING = 495.0
 INVERT 491.0
 TANK
 EXISTING = 492.0
 INV. OUT = 491.4
 INV. IN = 491.8
 INVERT @ HOUSE 492.7

6/7/90
 OK TO SIGN
AK

OWNER
 SPRING HILL ASSOCIATES
 RUTH H. WESTON
 1427 ROUTE 32
 SYKESVILLE, MD. 21784

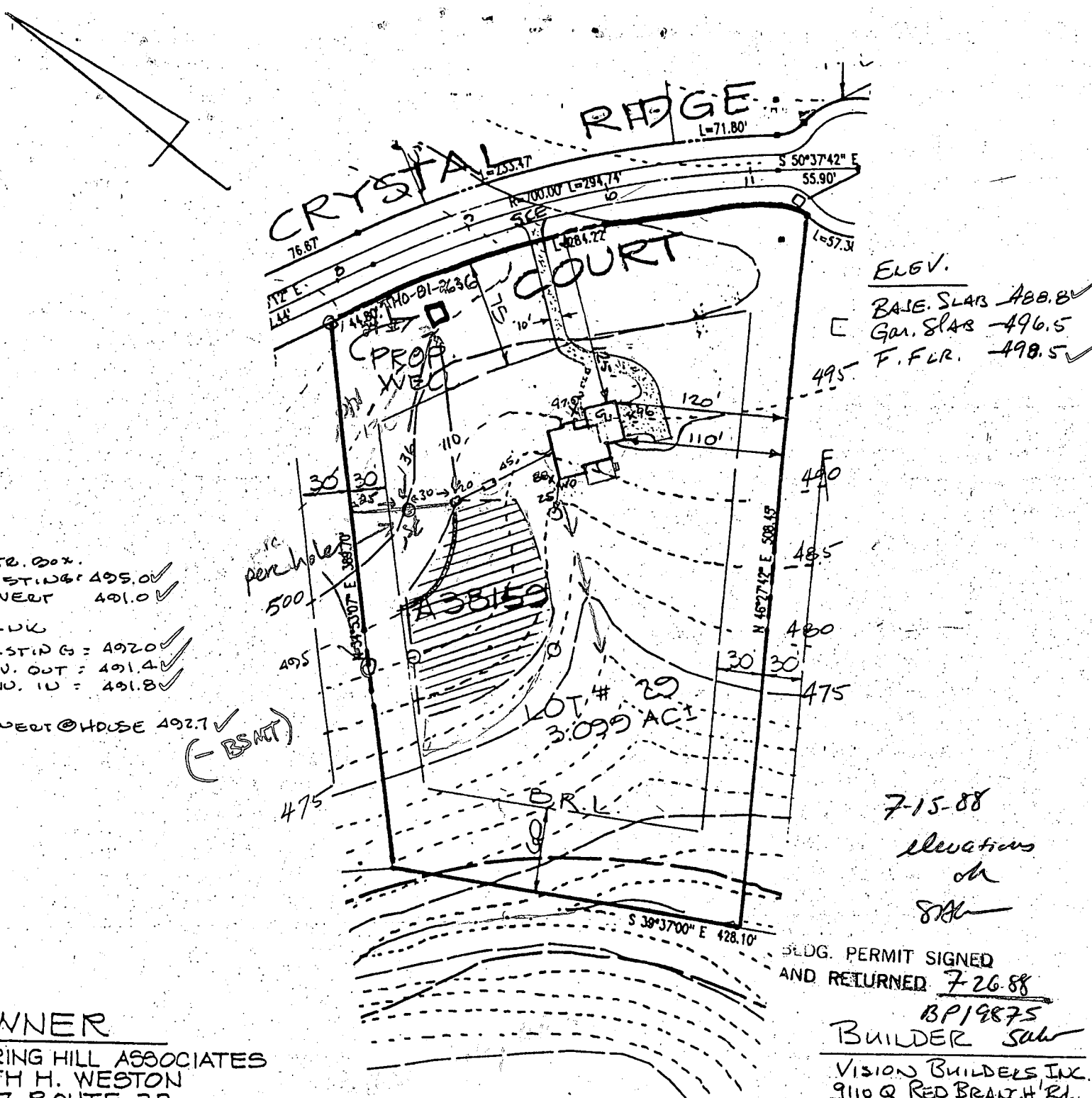
BUILDER
 VISION BUILDERS, INC.
 9110 Q RED BRANCH RD.
 COLUMBIA, MD. 21045
 301-730-4653

DEVELOPER
 KOREN DEVELOPMENT CORP. INC.
 5423 WATERCRESS PLACE
 COLUMBIA, MARYLAND 21045
 740-1010

1212 CRYSTAL RIDGE RD.
 MARRIOTTSVILLE, MD. 21104

D.S. Thaler & Assoc. Inc.
 CIVIL ENGINEERS • SURVEYORS
 LANDSCAPE ARCHITECTS
 11 WARREN ROAD
 BALTIMORE, MARYLAND 21208
 (301) 484-4100

LOT # 29
MEADOWOOD
 SECTION ONE
 TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1" = 100"
 PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1987



DISTR. BOX.
 EXISTING: 495.0 ✓
 INVERT 491.0 ✓

TANK
 EXISTING: 492.0 ✓
 INV. OUT: 491.4 ✓
 INV. IN: 491.8 ✓

INVERT @ HOUSE 492.7 ✓
 (- BSMT)

ELEV.
 BASE SLAB 488.8 ✓
 GAR. SLAB 496.5 ✓
 F. F.L.R. 498.5 ✓

7-15-88
 elevations
 on
 SK

BLDG. PERMIT SIGNED
 AND RETURNED 7-26-88

BP19875
 BUILDER sub
 VISION BUILDERS INC.
 9110 Q RED BRANCH RD.
 COLUMBIA, MD. 21045
 301-730-4653
 Paul Ritter

OWNER
 SPRING HILL ASSOCIATES
 RUTH H. WESTON
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 (301) 484-4100

LOT # 29
MEADOWOOD
 SECTION ONE
 TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1" = 100"

R-ZONING
 OK OP 2
 R 7/6/88
 PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1987

B 1 **5209** SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-2636
fill in this form completely

Date Received

7/1/89

OWNER INFORMATION

SPRING HILL ASSOC
Last Name Owner First Name

1432 RT 32
Street or RFD

W FRIENDSHIP MD 21794
Town State Zip

B 3

LOCATION OF WELL **R-39657**

HOWARD
COUNTY

MEADOWOOD
SUBDIVISION

SECTION **1** LOT **29**

SPRING HILL
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **4** MI

DRILLER INFORMATION

George F. Easterday

40
License No. 80

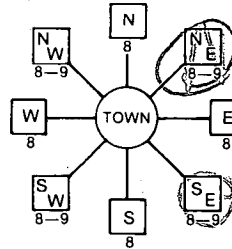
L. Franklin Easterday, Inc.

9255 Br. Ch. Rd., Mt. Airy, Md. 21771

Signature **George F. Easterday** Date **7/2/89**

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



CRYSTAL RIDES ROAD
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



250
DISTANCE FROM ROAD

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 (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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME COUNTY NO. **A-38159**

OEP SIGNATURE DATE ISSUED STATE HEALTH DEPARTMENT SIGNATURE INSERT S

032988 DATE ISSUED **092888** EXP. DATE

NORTH GRID **547000** EAST GRID **0820000**

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL

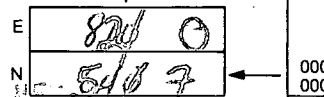
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

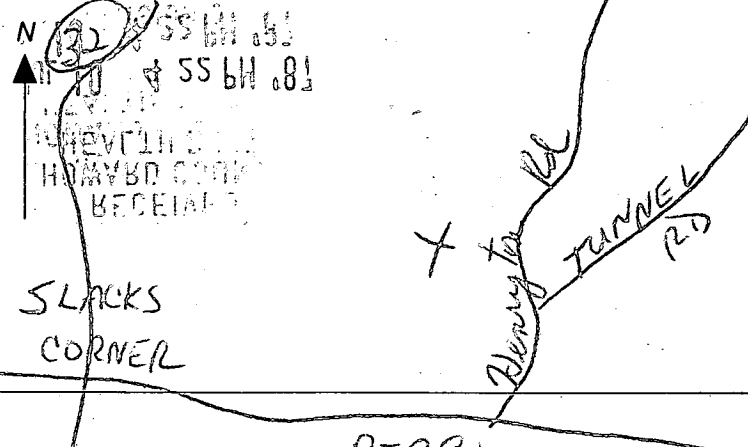
SOURCES OF DRILLING WATER

- 1. WELL
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



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

APPROP. PERMIT NUMBER **GAP**

FORCE **SA** INITIALS IN BOX PERMIT No. **40-81-2636**

SPECIAL CONDITIONS

8536

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A-38159

DATE RECEIVED

DATE WELL COMPLETED 07/19/88

DEPTH OF WELL 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2636

OWNER Spring Hill Assoc. STREET OR RFD Crystal Ridge Ct. TOWN YKESVILLE SUBDIVISION MEADOWS SECTION 1 LOT 29

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Clay, Shaley, Sand Stone, Mica, Sand Stone, Mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 14, NO. OF POUNDS 1400, GALLONS OF WATER 70, DEPTH OF GROUT SEAL 0 to 33 ft.

CASING RECORD: MAIN CASING TYPE ST, Nominal diameter 6, Total depth 35, OTHER CASING (if used) diameter inch, depth (feet) from to.

SCREEN RECORD: screen type or open hole insert appropriate code below. Options: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

DEPTH (nearest ft.) table with columns for casing height and screen depth. Includes handwritten values 33 and 300.

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 2 gal. per min. to nearest gal., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 45 ft. BEFORE PUMPING, WHEN PUMPING 136, TYPE OF PUMP USED S (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: S.

CIRCLE APPROPRIATE LETTER: A (well abandoned and sealed), 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...

DRILLERS IDENT. NO. 46, DRILLERS SIGNATURE (Handwritten), SITE SUPERVISOR (Sign. of driller or journeyman responsible for sitework if different from permittee).

SLOT SIZE 1 2 3, DIAMETER OF SCREEN (NEAREST INCH) 56 to 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.), WQ (OTHER DATA).

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). Includes handwritten 'Well 42' and 'Crystal Ridge Rd.'.

Page _____ of _____
 Date _____

8:00 7:20-8:00
 Used

Review OK 8/25/88 CW

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2636
 Location of property (road) CRYSTAL RIDGE CT
 Subdivision MEADOWOOD Lot 29 Block _____ Plat _____ Sec. 1
 Well Driller G. SISTERDAY Owner SPRING HILL ASSOC.

Depth of well 300 3GPM
 Distance of measuring point (M.P.) above ground 1 ft.
 Static water level (S.W.L.) below M.P. 145 ft.

I. High rate pumping -- reservoir drawdown
 Time pump started 7:45 Pumping rate, 12 gpm
 Total time 3 min to reach pumping water level 110 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 <u>5.1</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:15	110'	20 Sec	1/4	3 gpm
8:30	110'	20		3
8:45	113'	20	pump at 200'	3
9:00	112'	24	R. Hagan	3
9:15	130'	25		2.2
9:30	130'	25		2.4
9:45	130'	25		2.4
10:00	130'	25		2.4
10:15	130'	25		2.4
10:30	130'	25		2.4
10:45	130'	25		2.4
11:00	130'	25		2.4
11:15	130'	25		2.4
11:30	130'	25		2.4
11:45	130'	25		2.4
12:00	130'	25		2.4
12:15	131'	25		2.4
12:30	130'	25		2.4
12:45				
1:00				
1:15	135'	30		2 gpm
1:30	135'	30	cont'd fluctuation	2
1:45	139'	35	seen - 150 level	1.7
2:00	136'	30	flow adjusted	2
2:15	136'	30		2

ADJ Flow Rates
 to stabilize water level

Time

water level

Time To
fall 16-B

6-PM

2:30
2:45
3:00
3:15
3:30
3:45
4:00
4:15
4:30

136'
136'
136'
136'
136'
136'
136'

30 See
30
30
30
30
30

2 gpa
2
2
2
2
2

5-9-89
PM to see
P. Press -
5/10/89 NO INSP.

✓ 4/26/89 *mm*

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
Replacement

Receipt # 44078
Date 4/25/89

Name of Installer MARINO PTH INC.

Telephone 747-5615

License Number M-3095
Certified Well Pump Installer

Well Driller Registered Plumber

Name of Property Owner Vision Bldgs.
Subdivision MEADOW WOOD Lot # 29
Site Address 1212 CRYSTAL RIDGE RD.

Telephone 730-4653
Well Tag # HO-81-2636

- Pump**
- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
 - Make Goolds
 - Model # SES07412
 - Capacity 25 GPM
 - Pump exceeds well capacity Yes No
 - 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 Other

- Motor**
- Horsepower 3/4
 - RPM
 - Voltage 220
 - 110
 - 220

- Pitless Adapter**
- Make BRASS 1"
 - Model # 1"
 - Depth 42"

- Tank**
- Capacity WX 302
 - Pressure relief valve? yes

- Piping**
- Type 1" 1601b
 - Size 1"
 - NSF and/or BOCA Code approved yes
 - Depth of supply line 42"

- Well data**
- Depth 300' ft.
 - Yield 2 GPM
 - Static water level 45' ft.
 - Will water supply be disinfected by installer? By builder

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).

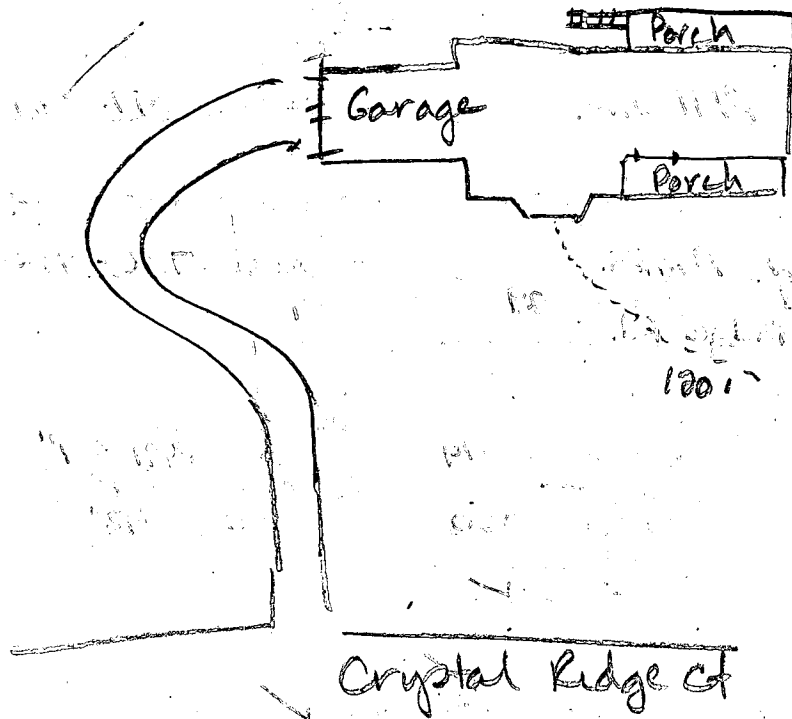
All information given above is true to the best of my knowledge.

Signature of Applicant: Joseph Marino

Date: 4-25-89

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

HD-215 5/9/89 - SBB OTHER SIDE RW



4-26-89

Trench not excavated. Workers installing pump at time of inspection. Will install pitless adaptor at a later date. Pump tank installed w/relief valve, JENadeau

5/19/89 - MITCH DUG BUT NO PITLESS ADAPTER RH