

03-312437

5/8/89 P7
5/9/89 BATE PM

PERMIT

P 43887

SEWAGE DISPOSAL SYSTEM

A 38156

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 3/28/89

DATE SYSTEM APPROVED 5/9/89

INSPECTOR RJ

Dave Hopkins

IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION Meadowood ROAD 1224 Crystal Ridge Ct LOT 27

PROPERTY OWNER Vision Builders DALSHEIMER

ADDRESS SHIPLETT

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

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the first trench 150 feet off the front (299.11') lot line and 200 feet off the right (682.29') lot line as seen from property entrance. 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 1/12/89

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

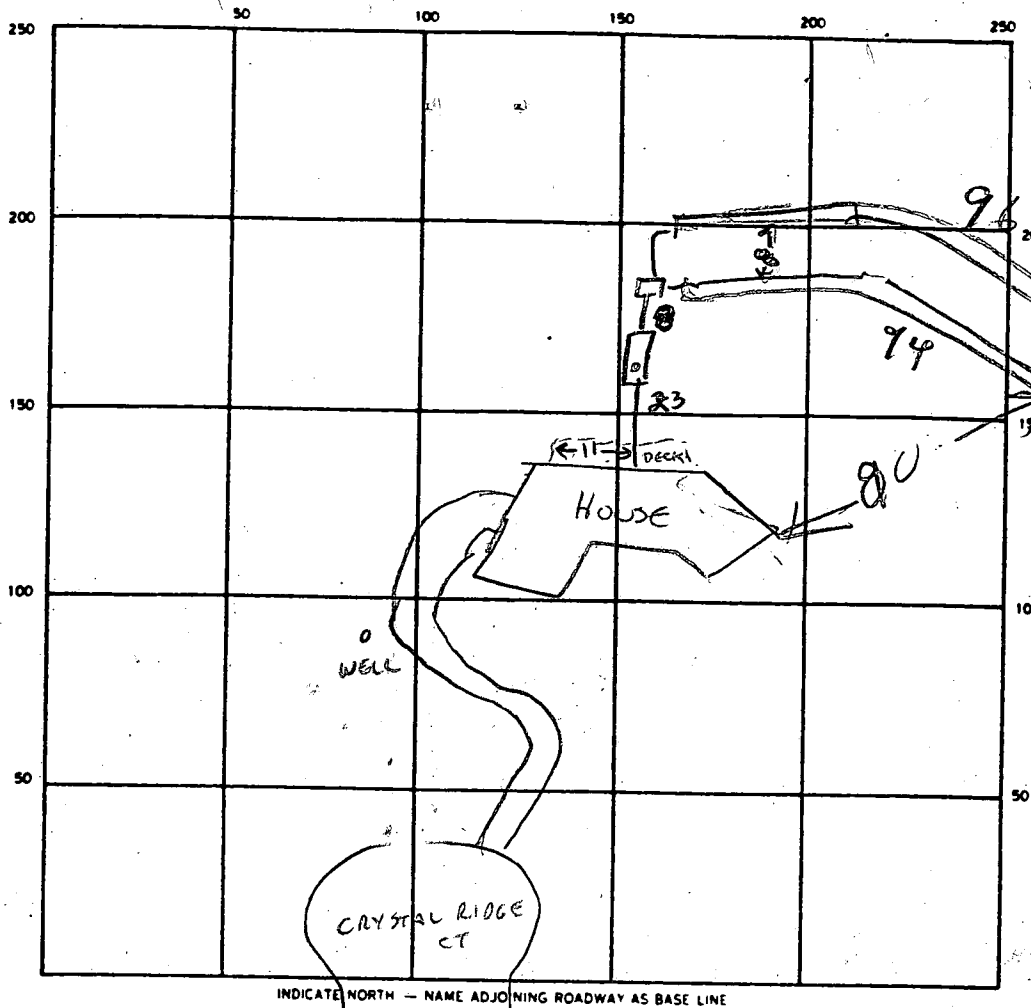
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

AND RETURNED 5-14-88
Serial # B00 111 675
Inground P.M.H.

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

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

A
38156



39
 100
 4
 20
 28
 50
 76

INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK. LEVEL 1250 CLEANOUTS 5/81

DISTRIBUTION BOX. LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH 25/25 FT. TRENCH WIDTH 22 FT. INLET DEPTH 3.43.4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 94 FT. 96 FT. 190 L

NUMBER OF TRENCHES _____ ONE SIDEWALL/BOTTOM AREA 760 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 4/25/89 TANK AND LINES OK TO COVER. CW

5/8/89 UNABLE TO MAKE INSPECTION DUE TO SCHEDULE. OK TO ADD GRAVEL TO TRENCHES. CW

5/9/89 JOB FINISHED

DATE SYSTEM APPROVED 5/9/89 INSPECTOR Raymond Hodges

APPLICATION

PERCOLATION TESTING

A 38156

P _____

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

*12/12/80
perc OK'd
percolation approved
[initials]*

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. 4927

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road
Howard County, Maryland 1224 Crystal Ridge Ct

TAX MAP 10 PARCEL # 139

SIZE OF LOT 0.13+ 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. _____
(SIGNATURE OF APPLICANT) *Mike Sedgwick*

APPROVED BY Sid Abel FOR Deputy DATE 1-12-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for vertical field vented holes

BLDG. PERMIT SIGNED AND RETURNED 1-12-89

BP23196 SA

THIS IS NOT A PERMIT

174 # / BORM
 INLET 3E'S
 MAX D. 7 1/2'

②
 SOIL PROFILE

0'
 brown
 tan / orange
 powdery
 silty
 loam
 w/ 5%
 small
 weathered
 6'

11'D

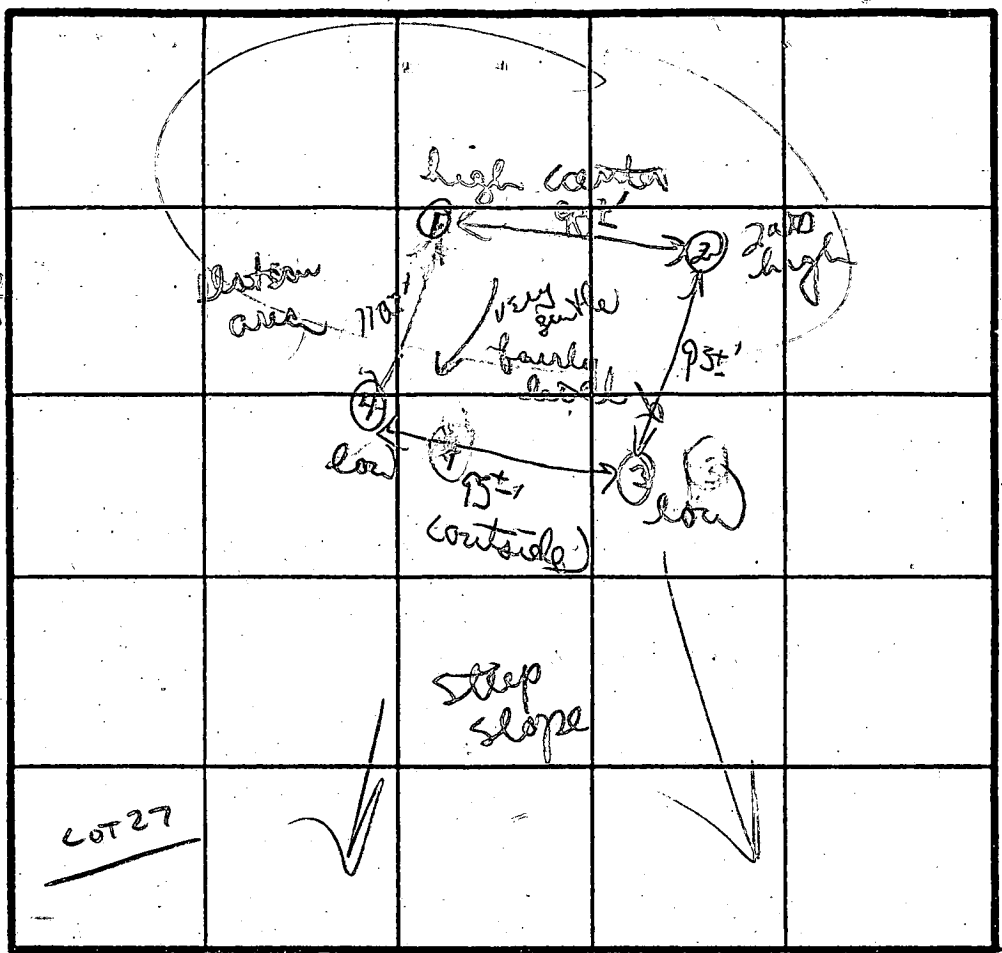
③

orange clay
 mixed w/
 brown / tan
 silty loam
 4'
 to brown /
 structured
 weathered
 frags (10%
 frags)

11 1/2'D

④

orange / brown
 tan clay /
 clay loam
 4'
 powdery
 yellow /
 silty loam
 3'
 w/ layers
 5-10%



①
 silty yellow
 orange powdery
 loam
 ↓
 fairly
 uniform
 w/ scattered
 small frags
 (3-10%)
 4 1/2'
 ↓
 12'D

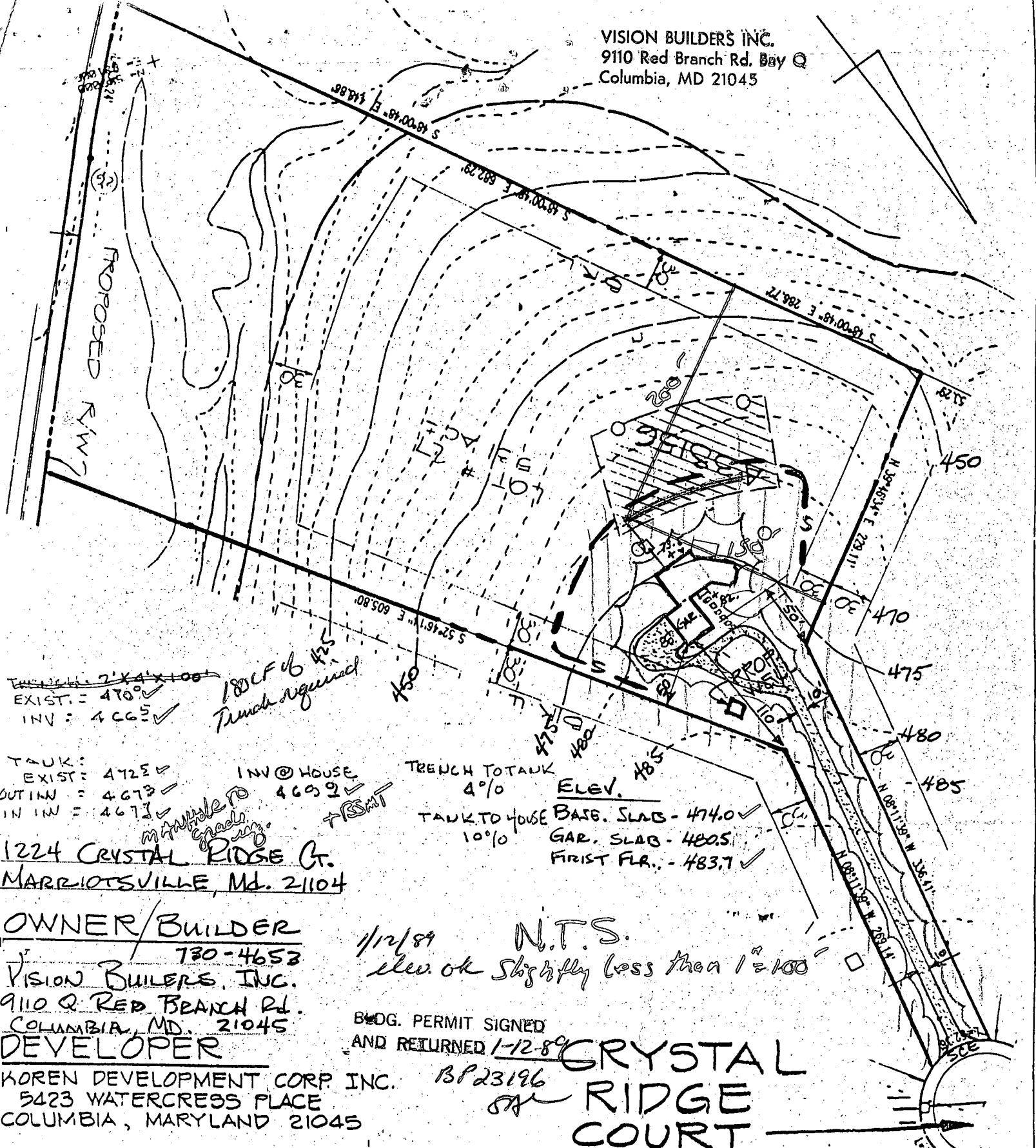
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Herrington Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/12/86	③	4'	1137	1140	1140	1150	10 min	
		11 1/2'D	both (see profile)					
	②	11'D (see profile)	visual only					
	①	2 1/2'-3'	1140	1142	1142	1144	2 min	
		8" m	1146	1148	1148	1151	3 min	
		12'D	both (see profile)					
	④	4 1/2'	1151	1152	1152	1155	1 min	
		12'D	both (see profile)					

REMARKS: dug as staked, no corner markers orientation based on road
 TYPE OF SOIL: soils orange clay / clay loam, yellow brown silty loam
 w/ 5-10% small frags scattered or structured frags
 TESTED BY: B. Dixon ALSO PRESENT: Jack Kirby

VISION BUILDERS INC.
 9110 Red Branch Rd. Bay Q
 Columbia, MD 21045



TRENCH 2'x4'x100'
 EXIST. = 470'
 INV. = 466.5'

TANK:
 EXIST. = 472.5'
 OUT INW = 467.3'
 IN INW = 467.3'

1224 CRYSTAL RIDGE Ct.
 MARRIOTTSVILLE, Md. 21104

OWNER/BUILDER
 730-4653
 VISION BUILDERS, INC.
 9110 Q RED BRANCH Rd.
 COLUMBIA, MD. 21045

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

TRENCH TOTALK 4%
 TANK TO HOUSE 10%
 ELEV.
 BASE SLAB - 474.0'
 GAR. SLAB - 480.5'
 FIRST FLR. - 483.7'

1/12/89 N.T.S.
 elev. ok slightly less than 1"=100'

BUDG. PERMIT SIGNED
 AND RETURNED 1-12-89

CRYSTAL
 RIDGE
 COURT

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

LOT # 27
 MEADOWOOD
 SECTION ONE
 TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1"=100'
 PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1987

4/26/89

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

420' deep
115' from house

New Installation
Replacement

Receipt # 43809
Date 3/17/89

Name of Installer Crouse Plumbing & Heating

Telephone 531-3311

License Number 4450

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Vision Builders

Telephone 730-4653

Subdivision meadowood Lot # 27

Well Tag # HO-81-2634

Site Address 1224 Crystal Ridge Road
Marriottsville, Md.

- Pump**
- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
 - Make Goulds
 - Model # _____
 - Capacity _____ 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 _____
 - RPM _____
 - Voltage _____
 - 110
 - 220

- Pitless Adapter**
- Make _____
 - Model # _____
 - Depth _____

- Tank**
- Capacity 100 gal.
 - Pressure relief valve?

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

- Well data**
- Depth 420' ft.
 - Yield _____ GPM
 - Static water level _____ ft.
 - Will water supply be disinfected by installer?

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).

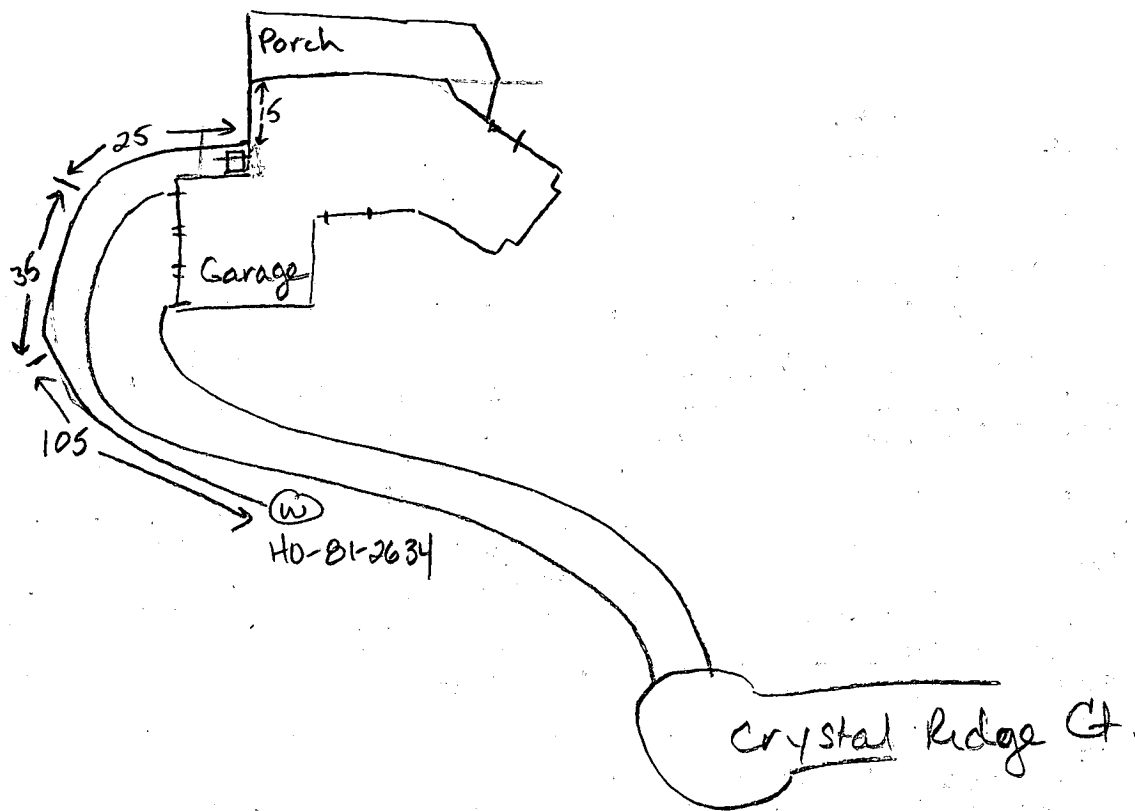
All information given above is true to the best of my knowledge.

Signature of Applicant: Robert Hoffstedt

Date: 3/16/89

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

5/9/89 SEE OTHER SIDE RA
HD-215



5/25/89
3/25/89

4-26-89

Pitless adaptor at 44 inches. No ground line. Well line in trench at 50 inches. House connection ok. No pump tank.

JE Nadeau

5/10/89 - NO PUMP TANK 767 R/D

C1 8534

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-38156

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 04/28/88

DEPTH OF WELL 420 (TO NEAREST FOOT)

PERMIT NO. HC-81-2634

OWNER: Spring Hill Assoc. last name: CRYSTAL RIDGE CA first name: TOWN: SYLVANIE

SUBDIVISION: BIRCHWOOD SECTION: 1 LOT: 27

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Rows include Topsoil, Br. Mica, Tan Mica, B. Mica, Tan Mica, Gray Mica, Flat, Gray Mica.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 12 NO. OF POUNDS 1200

CASING RECORD casing types insert appropriate code below MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)

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

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

DEPTH (nearest ft.) 420

CIRCLE APPROPRIATE LETTER 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: George A. Easton, Wally K. Blaylock SITE SUPERVISOR (sign. of driller or journeyman responsible for stetwork if different from permittee)

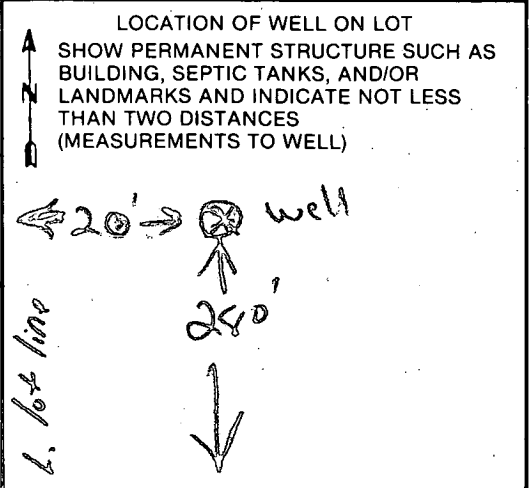
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE: Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 68 WHEN PUMPING 230 TYPE OF PUMP USED (for test) C centrifugal 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: 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)



of _____

Review OKRIT

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2634
Location of property (road) CRYSTAL RIDGE Ct
Subdivision MEADOWOOD Lot 27 Block _____ Plat _____ Sec. 1
Well Driller G. EASERDAY Owner SPRING HILL ASSOC.

Depth of well 420 1 1/2
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 68'

I. High rate pumping -- reservoir drawdown

Time pump started 8:45 Pumping rate 8
Total time 45" to reach pumping water level 230 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 5/1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	230 ft	37 sec		1.6
9:45	230 ft	37 sec		1.6
10:00	230 f	"		1.6
10:15	230 ft	"		1.6
10:30	230 "	"		1.6
10:45	230 "	37 sec		1.6
11:00	230	"		1.6
11:15	"	"		1.6
11:30	"	"		1.6
11:45	"	"		1.6
12:00	"	"		1.6
12:15	"	37 sec		1.6
12:30	"	"		"
12:45	"	"		"
1:00	"	"		"
1:15	"	"		"
1:30	"	"		"
1:45	"	"		"
2:00	"	"		"
2:15	"	37 sec		"
2:30	"	"		"
2:45	"	"		"
3:00	"	"		"
3:15	"	"		"

B 1. **5207** 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
40-81-2634
 fill in this form completely

Date Received **4/1/88**
C71988
 OWNER INFORMATION
SPRING HILL ASSOC
1432 RT 32
M FRIENDSHIP MD 21794

B 3 LOCATION OF WELL **R-39653**
HOWARD COUNTY
MEADOWOOD SUBDIVISION
 SECTION **1** LOT **27**
SWEBVILLE NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **4** MI

DRILLER INFORMATION
George F. Easterday
L. Franklin Easterday, Inc.
9265 Br. Ch. Rd. Mt. Airy, Md. 21771
George F. Easterday 7/2/87

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 NEAR WHAT ROAD **CRYSTAL RIDGE COURT**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **275** 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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME
A-38156 COUNTY NO.
 OEP SIGNATURE DATE ISSUED
032988 CO SIGNATURE EXP. DATE
 NORTH GRID **547000** EAST GRID **0820000**

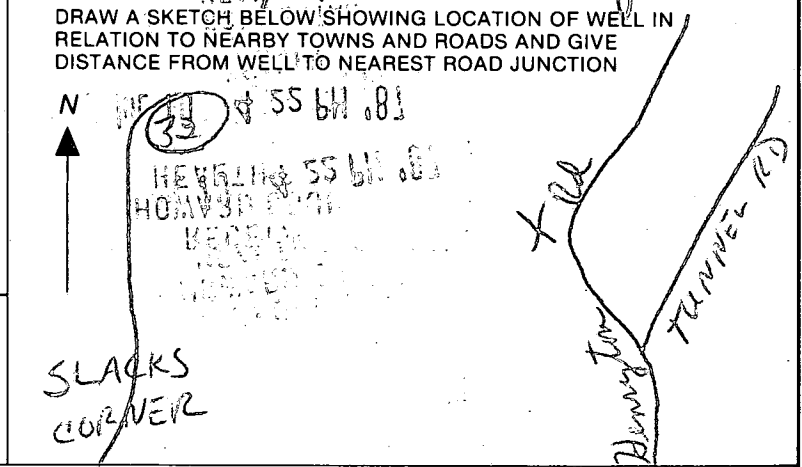
APPROXIMATE DEPTH OF WELL **200** FEET

APPROXIMATE DIAMETER OF WELL **6** NEAREST 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 _____

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 **820 0**
 N **540 7**

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 DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

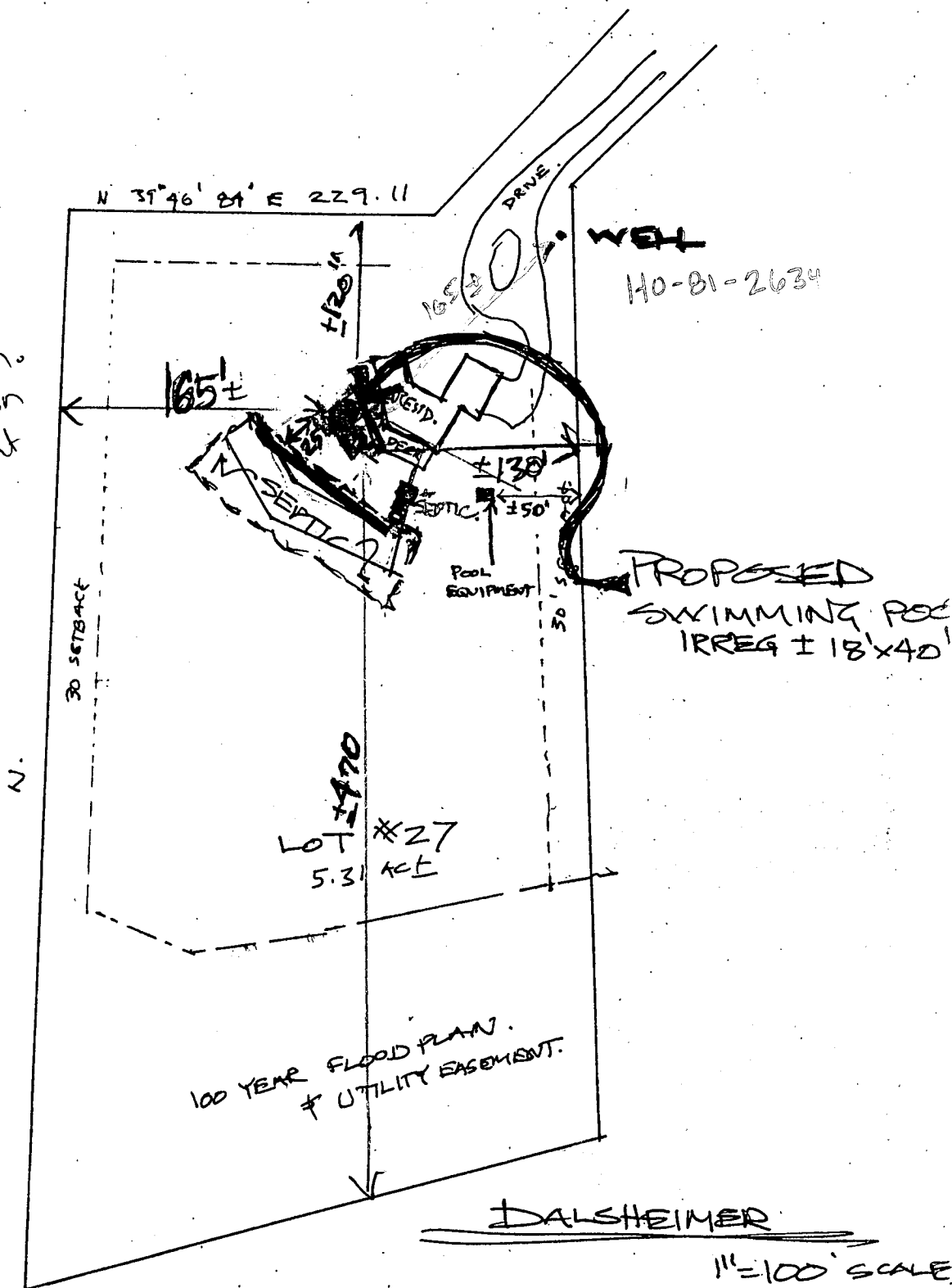


Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 FORCE **SA** WRITE INITIALS IN BOX PERMIT No. **40-81-2634**

SPECIAL CONDITIONS

RT 99

5.14.98
 proposed pool
 will have no
 impact on well
 and septic as shown.
 Maintain 20' separation
 between septic easement
 and pool. **(KMO)**



1224 CRYSTAL RIDGE CT
 LOT 27 MEADOWOOD
 HOWARD CO MD,
 TAP MAP 10 3RD DISTRICT
 PARCEL 139.