

4-3-89
4/12/89
3 PM

03 - 312380

PERMIT

P 44107
A 38163

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT _____

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 4/26/89

DATE SYSTEM APPROVED 4-12-89

INSPECTOR S. Abel

Jack Fyock

IS PERMITTED TO INSTALL ALTER _____

ADDRESS _____ PHONE 988-9270

SUBDIVISION Meadowood ROAD 1209 Crystal Ridge Ct LOT 22, Section 2

PROPERTY OWNER Steve Kelly Crosen Development Co., Inc.

ADDRESS 854-6862

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 - 160 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

location - Place the distribution box or start the trench 180 feet up the right (430.11') lot line and 180 feet off the same lot line as seen when facing the lot from Crystal Ridge Court. Run trenches on contour toward the left and right lot lines.

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

OK TO INSTALL TO 8' WITH 5' STONE 4/11/89 CW

PLANS APPROVED BY Sid Abel

DATE 7/21/88

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 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

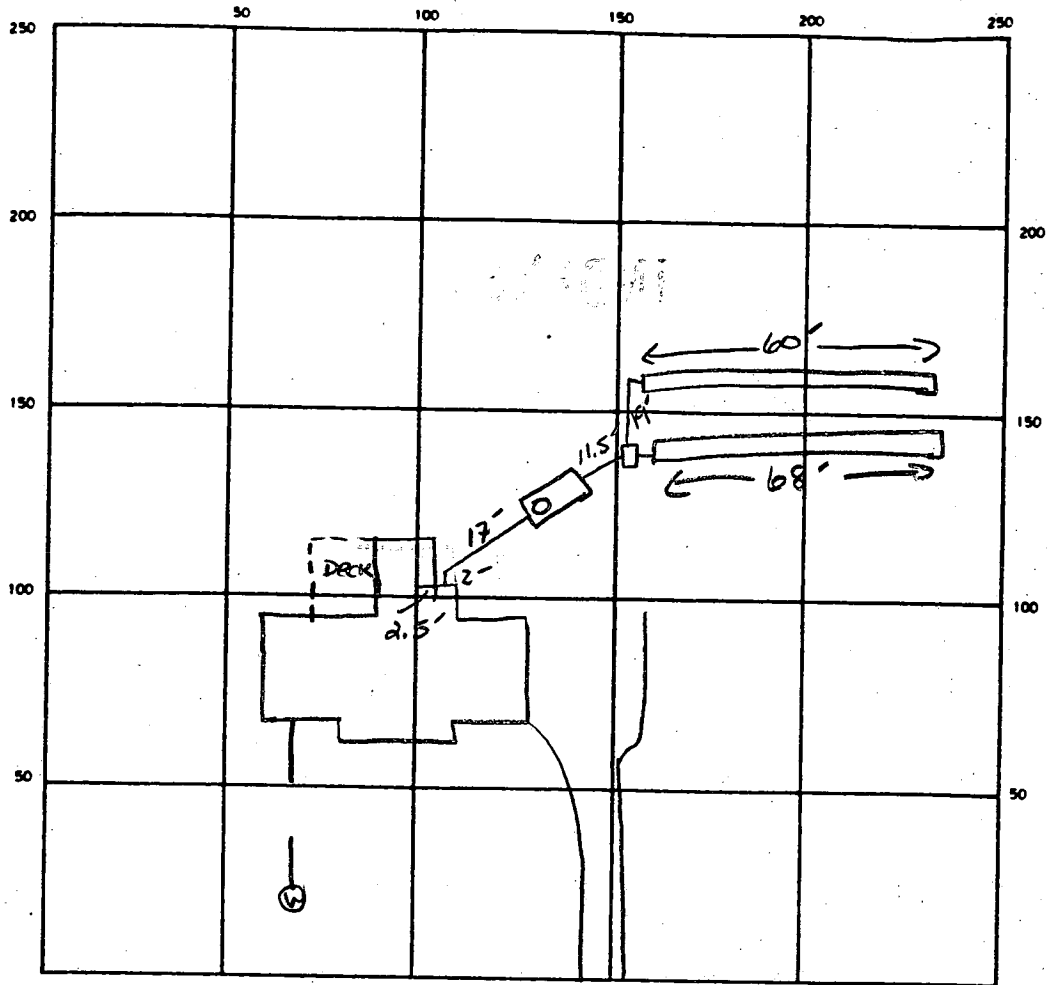
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMITS SIGNED AND RETURNED 5/24/2000
800124440
OCTAGONAL DECK W/STEPS

A 38163

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
CRYSTAL RIDGE CT.

SEPTIC TANK LEVEL 1250 CLEANOUTS

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TILE FIELD DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 5' FT. TOTAL LENGTH 68 60 128 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 640 SQ. FT.

DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 640 SQ. FT.

REMARKS 4-12-89 OK TO 50' 8' ON TRENCHES SA OK TO ADD STONE TO BOTH TRENCHES.

4-12-89 OK TO COVER ALL WORK. S. Abel

DATE SYSTEM APPROVED 4-12-89 INSPECTOR S. Abel

APPLICATION

PERCOLATION TESTING

A 38/63

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

*let's season
percolation
recovery about
w.s. soil
12/12/86
perc OK'd
pending
plat*

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

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

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 22
56

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road
Howard County, Maryland 1209 Crystal Ridge Ct

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 Sedel
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE 2/16/87

REJECTED BY C. William FOR TOO CLOSE TO STAGAN DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for certified hole location / sub-plat
PRELIMINARY PLAT LOCATOR MAY BE IN NA COUNTY

RE-RUN FIELD LOCATIONS 2/16/87 CCJ BLDG. PERMIT SIGNED
AND RETURNED 9-7-88
6821221
S. Cebel

THIS IS NOT A PERMIT

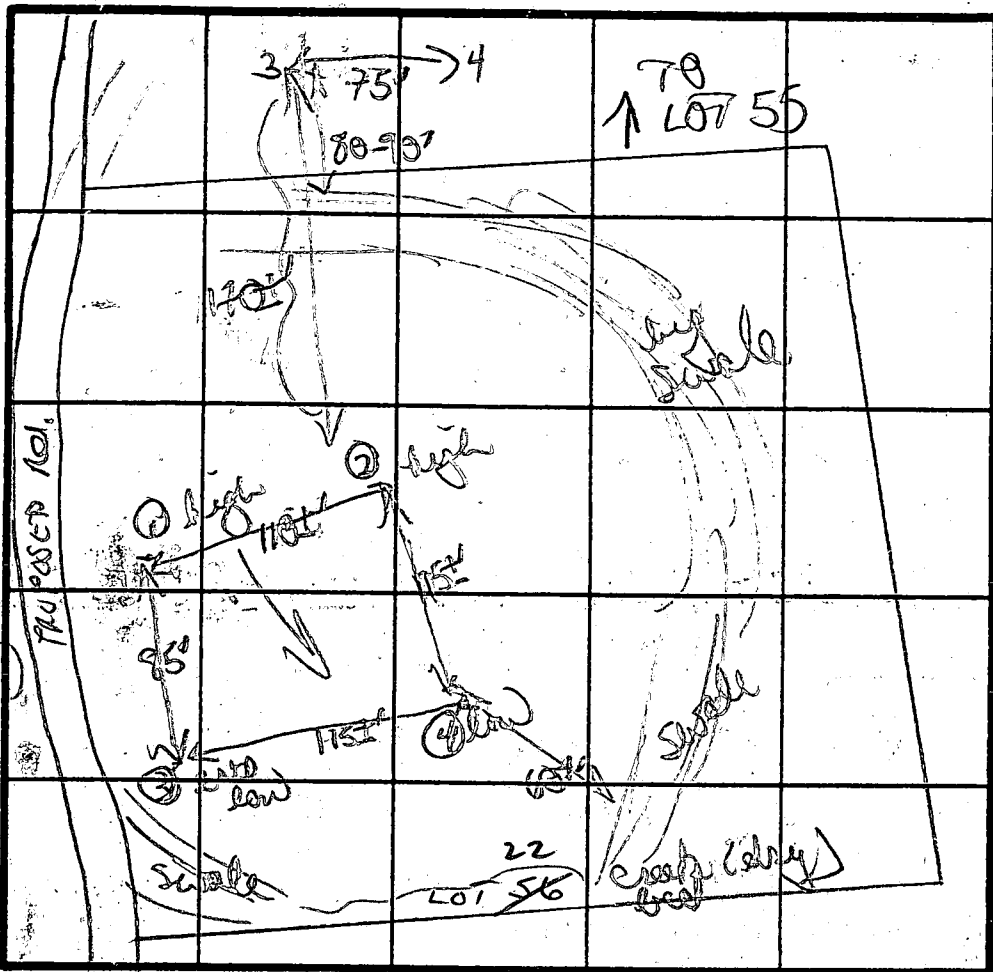
③

SOIL PROFILE

orange
brown
silty clay
2-3'
quickly
to light
yellow
white
powdery
silty
w/5%
sun scattered
fragments

12 3/4 D

①



orange
yellow silty
loam
mix

fairly
uniform

14 1/2 D

③

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

↳ TO HENRYSON Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/2/80	①	2 3/5	231	234	232	234	2 MIN	
		8' M	235	236	236	237	1 MIN	
		11 1/2 D	bottom (see profile)					
	③	3' S	230	232	232	234	2 MIN	
		12 3/4 D	bottom (see profile)					
	②	VISUAL ONLY						
		10 1/2 D	bottom (see profile)					
	④	4' S	240	241	241	243	2 MIN	
		14' D	bottom (see profile)					

orange brown
tan silty
loam

- 4 1/2'
w/ small
scattered
fragments

10 1/2 D

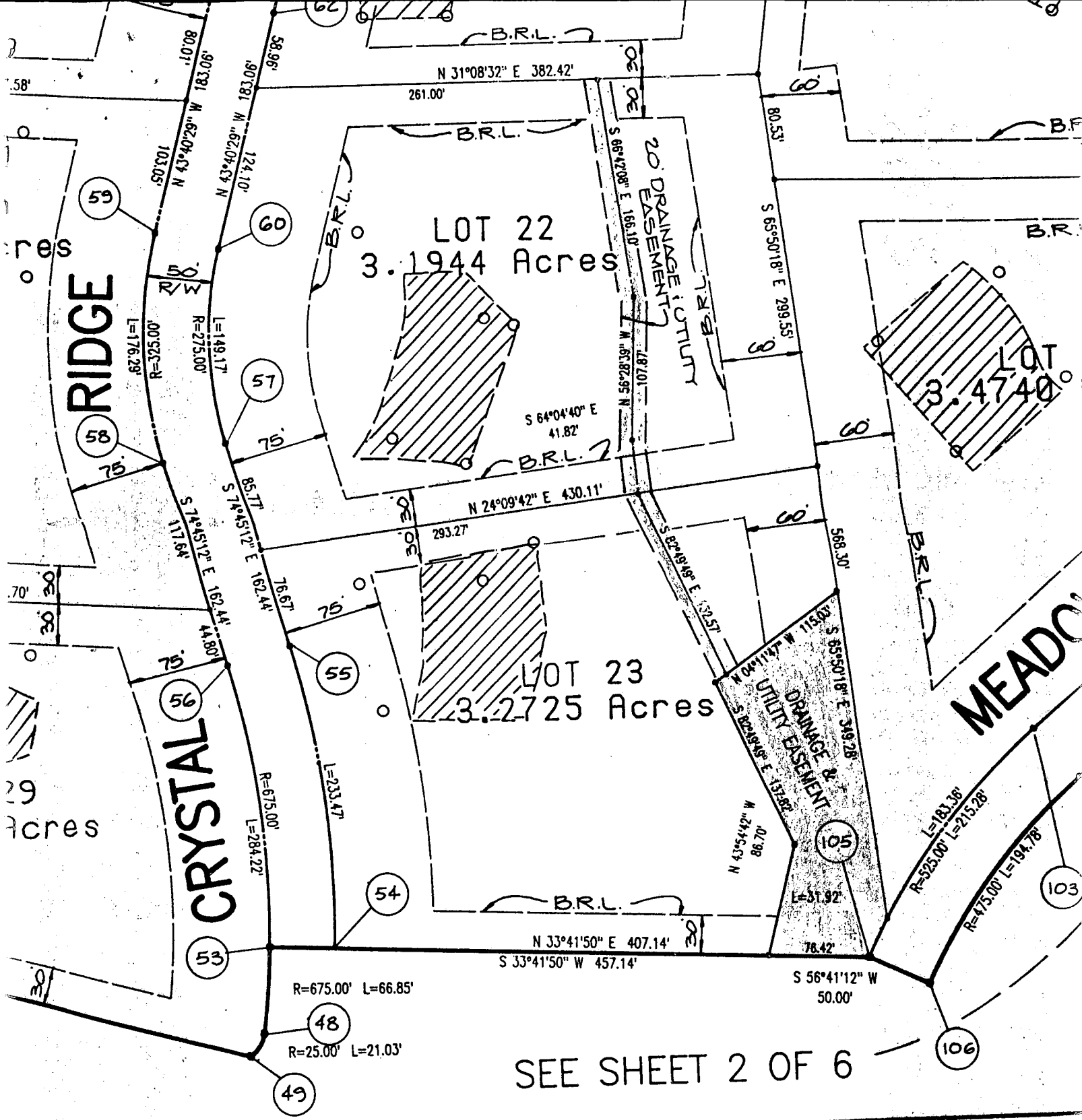
Brown tan
silty orange
loam
2-3'
to brown
silty loam
with
10% sun
fragments
sup 5'
11 3/4 D

X PER TIME
2 MIN
180 LB BODEN
1 1/2 LB
3-7 MAX DEPT

REMARKS moved per field up & over to get out of creek swale

TYPE OF SOIL feel percs good soils; tan orange silty loams

TESTED BY B. Nixen ALSO PRESENT Rocky, Ed



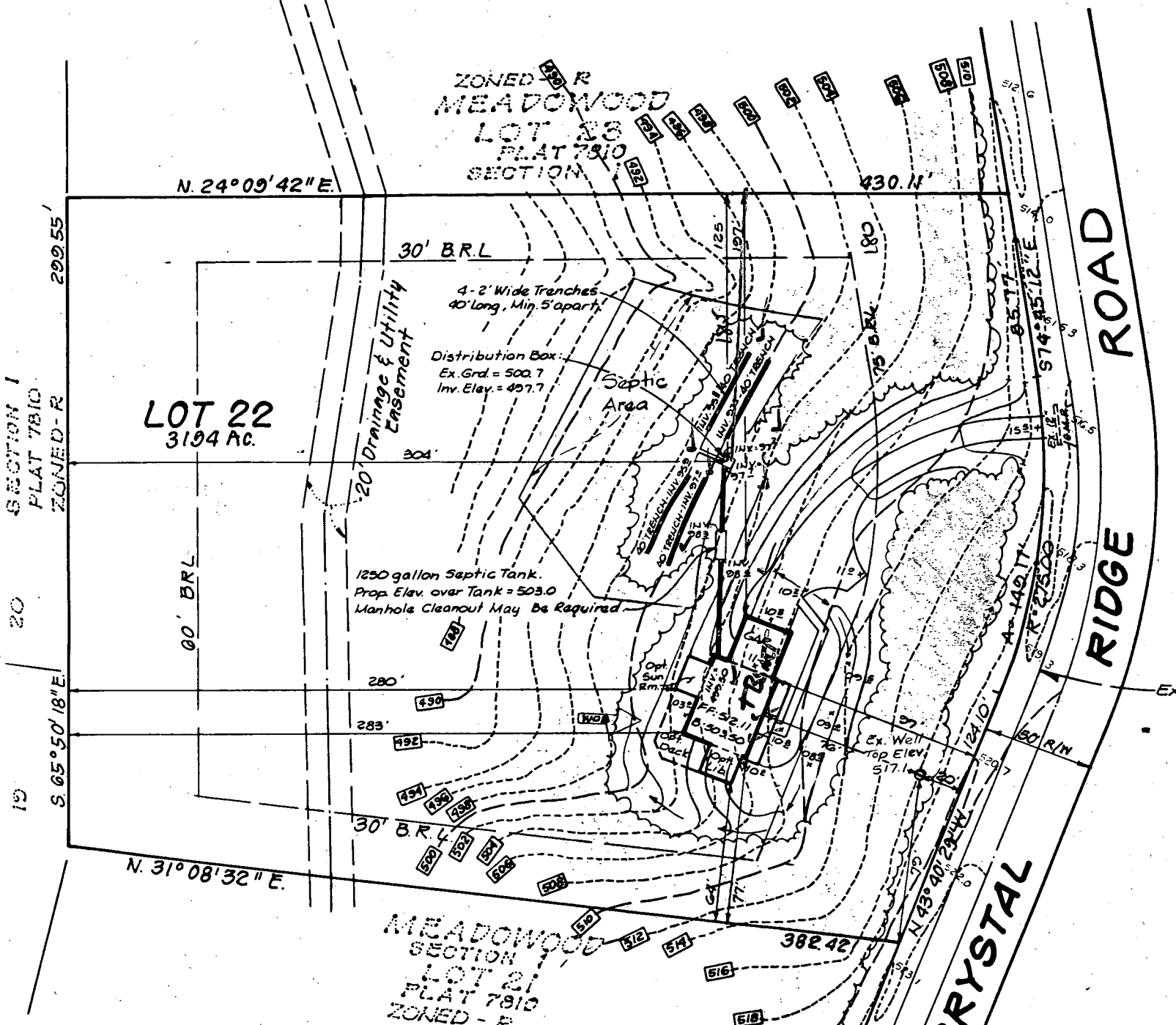
SEE SHEET 2 OF 6

OWNERS CERTIFICATE

ALL ASSOCIATES BY CARLYN ALIAH MANAGING PARTNER, OWNER OF THE
 SHOWN AND DESCRIBED HEREON, HEREBY ADOPTS THIS PLAT OF SUB-
 DIVISION IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE
 PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION
 GRANT UNTO HOWARD COUNTY MARYLAND, SUCCESSORS AND ASSIGNS (1)
 TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND
 MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET
 RIGHT-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON (2) THE RIGHT
 OF DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS
 FLOOD PLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER
 CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO
 TAKE IN FEE SIMPLE TITLE TO THE BEDS OF THE STREETS/ROADS AND FLOOD PLAINS
 AND OPEN SPACE WHERE APPLICABLE AND (3) THE RIGHT

I HEREBY CERTIFY THAT THIS IS CORRECT AND THAT THE LANDS CONVEYED BY THIS INSTRUMENT TO SPRINGHILL ARE ACCORDING TO THE PLAN DATED JUNE 1, 2000 OF HOWARD COUNTY AND THAT ALL NECESSARY RECORDS HAVE BEEN PLACED PRIOR TO THE SUBDIVISION OF THIS LAND AS RECOMMENDED BY THE ENGINEER.





B 7 5202 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

HO-81-2568
fill in this form completely

Date Received

07 14 87

OWNER INFORMATION

SPRING HILL ASSOC

1432 RT 32

W FRIENDSHIP MD 21794

DRILLER INFORMATION

George F. Easterday

40

Driller's Name 77 License No. 80

L. Franklin Easterday, Inc.

9265 Br. Ch. Rd., Mt. Airy, Md. 21771

George F. Easterday 7/2/87

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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)

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

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
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D 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 IN BOX PERMIT No. HO-81-2568

SPECIAL CONDITIONS

B 3 LOCATION OF WELL R 39650

HOWARD COUNTY

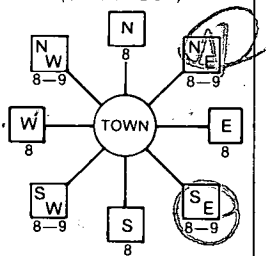
DEATOWOOD SUBDIVISION

SECTION 1 LOT 222

SMITHSVILLE NEAREST TOWN

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

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD CRYSTAL RIDGE ROAD



DISTANCE FROM ROAD 200 FT ENTER FT or MI 1/7

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

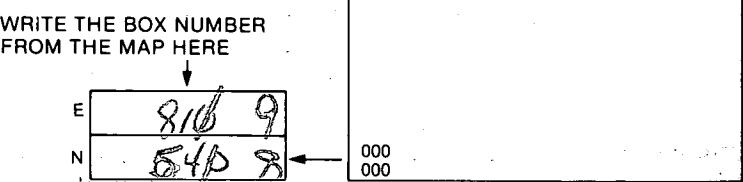
HOWARD COUNTY NAME A-38163 COUNTY NO.

OEP SIGNATURE DATE ISSUED

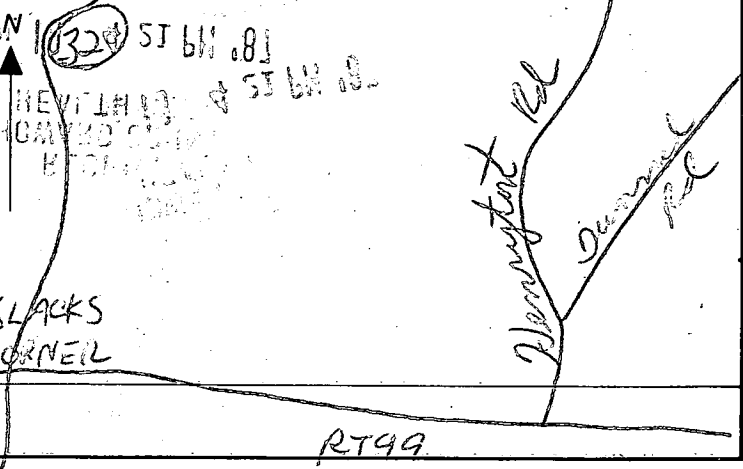
022488 B Nolon 05/24/88

NORTH GRID 548000 EAST GRID 0819000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. WELL



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



_____ of _____

7-25-88
8:00

M

Review OK 8/25/88 CW

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2568
Location of property (road) CRYSTAL RIDGE ROAD
Subdivision Meadowood Lot 22 Block _____ Plat _____ Sec. 1
Well Driller GEORGE SASTERDAY Owner ASSOCIATES, SPRING HILL

Depth of well 400 1 1/4 GPM
Distance of measuring point (M.P.) above ground 18' 1"
Static water level (S.W.L.) below M.P. 42

I. High rate pumping -- reservoir drawdown

Time pump started 9:00 Pumping rate 10 GPM
Total time 1 hr to reach pumping water level 220 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)
10:15	220	40 sec	Pump Set 400'	1 1/2
10:30	220	40 Sec	Joe Weisman	1 1/2
10:45	220	40 Sec		1 1/2
11:00	220	40 Sec		1 1/2
11:15	220	40 Sec		1 1/2
11:30	220	40 Sec		1 1/2
11:45	220	40 Sec		1 1/2
12:00	220	40 Sec		1 1/2
12:15	220	40 Sec		1 1/2
12:30				
12:45				
1:00				
1:15	228	50 sec	Arrived 1:15 NO P. TANKING, AND readings Bert	1 1/2 gpm
1:30	229	48 sec		1 1/2
1:45	229	48		1 1/2 gpm
2:00	230	48 sec		1 1/2
2:15	230	48 sec		1 1/2
2:30	230	48 sec		1 1/2
2:45	230	48 Sec		1 1/2
3:00	230	48 Sec		1 1/2
3:15	230	48 Sec		1 1/2
3:30	230	48 Sec		1 1/2
3:45	230	48 Sec		1 1/2
4:00	230	48 Sec		1 1/2
4:15	230	48 sec		1 1/2
4:30	230			1 1/2

HD 4245

1/30/89

TEN

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

10.00

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # 43549
Date 1/25/89

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 DON CROSEN
Subdivision MEADOW WOOD Lot # 22
Site Address 1209 CRYSTAL RIDGE CT.

Telephone 854-6655
Well Tag # 40-81-2568

- Pump**
- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
 - Make Goolds
 - Model # 5E307412
 - Capacity 5 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 1/2
 - RPM 220
 - Voltage 220
 - 110
 - 220

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

- Tank**
- Capacity WX 250
 - Pressure relief valve?

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

- Well data**
- Depth 400' ft.
 - Yield 1 GPM
 - Static water level 42' ft.
 - Will water supply be disinfected by installer? By Builder

P.A. $3\frac{1}{2}$ ' Below Grade
Line Not in Yet
1/30/89 MR TANK AND VALVE NOT COMPLETE

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.

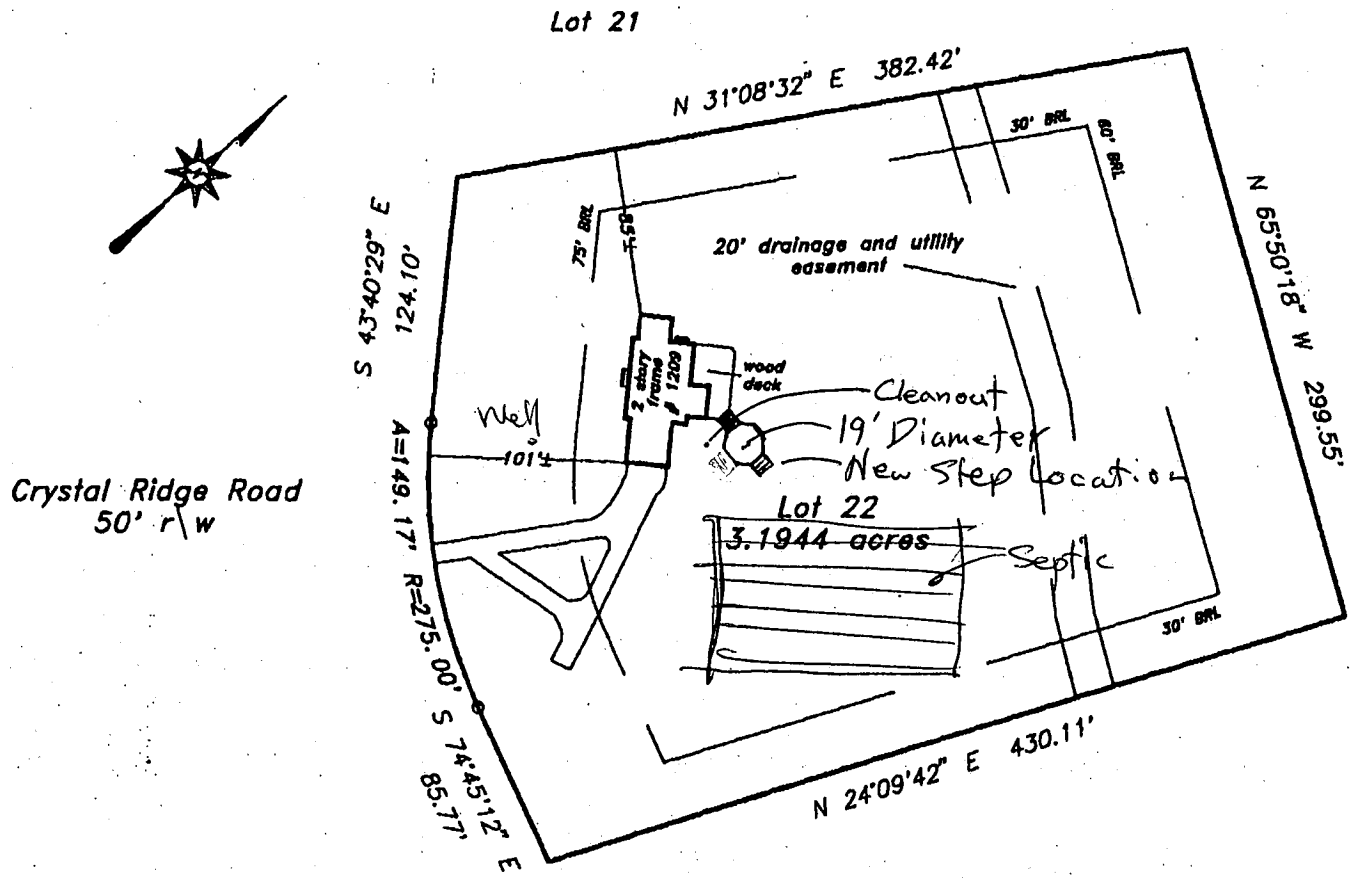
Signature of Applicant: Joseph O. Marino

Date: 1-24-89

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

NOTES:

Information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc. Any line and/or Flood Zone information is subject to the interpretation of the originator. Inc. does not certify to unshown or unrecorded encroachments or overlaps. Property markers not found, or guaranteed by this location. Check distance accuracy: \pm .



Lot property is shown in Zone C of the National Flood Insurance Program Insurance Rate Map of Howard County, Maryland. Panel # 10 of 45 Community Panel # 240044-0010 B Effective date: December 4, 1986

I certify that I have surveyed the property shown hereon, known as **Lot 22**, **1209 Crystal Ridge Road**, recorded in the Land Records of Howard County, Maryland at Bk. **7810** Liber **Folio** for the purpose of locating the improvements thereon.

This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing purposes. This plat is not to be relied upon for the establishment of location lines, fences, garages, buildings, or other existing or future structures. This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.



LOCATION DRAWING
1209 Crystal Ridge Road
Meadowood
3rd election district
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.
 16205 Old Frederick Road
 Mt. Airy, Maryland 21771
 Ph. (410)442-2031
 Fax No. (410)442-1315

Scale:	1" = 100'
Date:	August 20, 1999
Field by:	JLM
Drawn by:	JLM
Drawing #	3527COR