

PERMIT

314537

7/5 P.C.O.
 c.b.d.

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50111

A 39580

DISTRICT 5th

DATE 4/27/94

DATE SYSTEM APPROVED 7/8/94

INSPECTOR c.b.d.

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXXXX~~ 313-2640

INDEXED

Ashby Building Company, Inc IS PERMITTED TO INSTALL ALTER X

ADDRESS 5755 Oklahoma Rd, Sykesville 21784 PHONE 549-4916

SUBDIVISION Crystal Clear LOT 22 ROAD 13875 Kennard Drive

PROPERTY OWNER Robert N. Crumrine, Jr. 410-730-3200

ADDRESS _____

**BUILDING PERMIT SIGNED
AND RETURNED**

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

4-17-03 800 141291-IG POOL

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 135

TRENCHES - Trench to be 2 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 7½ feet below original grade. Effective area begins at 3½ feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 260 feet down the left lot line and 10 feet off that lot line. Run trenches along contour toward rear of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/20/94 DKS

PLANS APPROVED BY C. Williams/Mark Rifkin REVISED DATE 04/22/94

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**

A 39580

C-2
7/8/94
open trench
7/8/94
do 10-100
late AM

BUYER/OWNER IN OFFICE
FOR 1 BR ADD'N; SHE
REPORTS EX. HOUSE HAS
4 BR; BP PROPOSAL
WILL NEED 80' ADD'L
TRENCH (TO TOTAL 225)
AND 1500 GAL TOTAL
S.T. CAPACITY
3/22/07 MR

APPLICATION

PERCOLATION TESTING

A 39580

P _____

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

DISTRICT 5TH

DATE 6-12-87

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 Robert N. Crumrine Jr. Kennard Wayfield Sr. Crystal Clear General Partnership

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337
670-9114

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Crystal Clear LOT NO. 27 LOT 22 Preliminary

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd
(13875 Kennard Drive)

BLDG. PERMIT SIGNED

AND RETURNED 9/1/89

Serial # 28938-SFD
5 Bedroom with

TAX MAP 22 PARCEL # 533

SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD - GOLF CLUB
(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.

Mal S. Kew
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7/28/87 PERC SATISFACTORY - HOLDING SUBJ. PLAT S&C

5-11-88 PART OF APP. SDA ON Paelim MAY NOT BE REACHABLE START 1ST

TRENCH CLOSER TO HOUSE ON THE 604 CONTOUR. SAW BLDG. PERMIT SIGNED 8/25/89
AND RETURNED 8/25/89

Serial # 5387-3/50m

THIS IS NOT A PERMIT

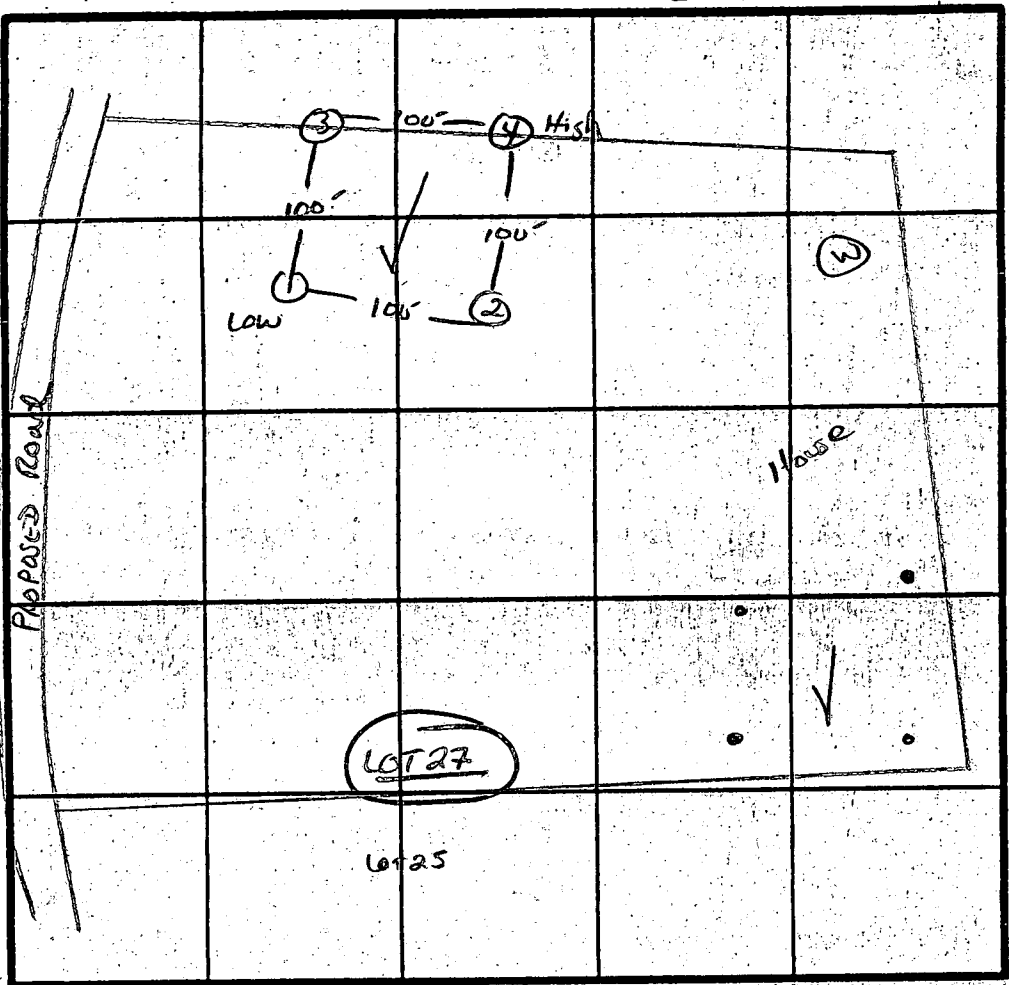
10728

① → ②
SOIL PROFILE

8"
AP
Yellow BR
(Coarse)
Silty CLAY
LO AM
10-20% FESS

4"
Yellow BR
Silty SAND
LO AM
Slightly
micaceous
20-25%
FESS

13"



X Perc 4min
INLET 3.5'
BOTTOM 8.5'
160 φ 1BR

3+4 on line
Holes

INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE
Triadelphia Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME	
			START	STOP	START	STOP		
7/28/67	1 S	3.5'	11:09	11:12	11:12	11:16	4min	
	1 V	13'	UNIFORM Soil below		3.5'			
	2 S	4.0'	11:08	11:11	11:11	11:17	6min	
	2 V	13'	UNIFORM Soil below		4.0'			
	3 V	13'	UNIFORM below 35-40' more gravel FESS 20-25%					
	4 S	4.5'	10:54	10:58	10:58	11:01	3min	
	4 M	8.0'	10:56	10:57	10:57	11:00	3min	
	4 V	12.5'	UNIFORM soil below		3.5'			

REMARKS Holes DIFF THAN PLAT

TYPE OF SOIL Chester Gravelly Ln.

TESTED BY S. Abel ALSO PRESENT MARK, KETTERMAN

EH-12-1079

1 9980 SEQUENCE NO. (DENV USE ONLY)
 (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 A 39580

ST/CO USE ONLY
 DATE Received [] [] [] [] [] []
 DATE WELL COMPLETED 072689

Depth of Well 400
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
14-88-0808

OWNER GOSNELL LAND CO.
 STREET OR RFD last name KENNEDY DRIVE first name TOWN GEORGETOWN
 SUBDIVISION CRYSTAL CLEAR SECTION LOT 22

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	
Topsoil	0	2	
Clay shale	2	5	
Soft brown M.S.A.	5	12	
Sand, gravel, S.H.	22	25	
Brown M.S.A.	25	125	✓
Gray M.S.A.	126	142	
Tan M.S.A.	143	150	
Budy M.S.A.	150	400	✓

GROUTING RECORD yes- no
 WELL HAS BEEN GROUTED Y N
 (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 17 NO. OF POUNDS 1700
 GALLONS OF WATER _____
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 5 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER

MAIN CASING TYPE ST
 Nominal diameter top (main) casing (nearest inch) 6
 Total depth of main casing (nearest foot) 110

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

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

C 2
 DEPTH (nearest ft.)
 EACH SCREEN
 1 H 0 108 400
 2 _____
 3 _____
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

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.) W Q
 70 72 74 75 76
 TELESCOPE CASING LOG OTHER DATA
 INDICATOR

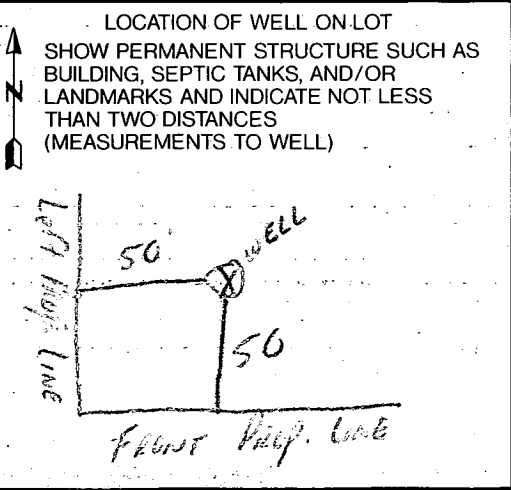
C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 4
 METHOD USED TO MEASURE PUMPING RATE Direct
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 2
 WHEN PUMPING 225
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet 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: 29
 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
 below } 2 (nearest foot)

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 26.04.04 "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. 43
 DRILLERS SIGNATURE [Signature]
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee) [Signature]



B 1 **91.78** SEQUENCE NO. (DP 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

STATE PERMIT NUMBER
40-98-0508
 fill in this form completely

Date Received (APA) **052689**
 OWNER INFORMATION
GOSHEN LAND CO
 15 Last Name 8 Owner 13 First Name 34
21006 BRINK CT
 36 Street or RFD 55
GAITHERS BLURG MD 20879
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL **R 44408**
HOWARD COUNTY **30** 5/26/89
CRYSTAL CLEAR
 23 SUBDIVISION 42
 SECTION **22** LOT **22**
 44 46 48 50
GLENELG
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **1** MI
 73 76 77 78

DRILLER INFORMATION
 George F. Easterday
 Driller's Name 40
 C. Franklin Easterday, Inc. 77 License No. 80
 9265 Brown Church Rd., MT. Airy, Md. 21771
 Address
 George F. Easterday 5-24-89
 Signature 1 Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N E
 WEST S SOUTH
 34 **80** 37
 DISTANCE FROM ROAD
 ENTER FT OR MI **FT**
 38 39

13875 KENNARD DR
 11 NEAR WHAT ROAD 30
 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME **A 39580** COUNTY NO.
 STATE SIGNATURE _____ INSERT S
 DATE ISSUED **070389** **William 1/3/90** 41
 43 48 CO SIGNATURE EXP. DATE
 NORTH GRID **522000** EAST GRID **0900000**
 50 55 57 63

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
 14 20

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)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
7/26/89 2012SP
 SOURCES OF DRILLING WATER
 1. **Well 11**
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
31580
 E **8002 0**
 N **520 2**
 000
 000
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
32

APPROXIMATE DEPTH OF WELL **200** FEET
 24 28
 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 _____

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) 41 _____ 52

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 54 63
 FORCE **06** WRITE INITIALS IN BOX PERMIT No. **40-98-0508**
 67 68 70 71 72 73 74 75 76 77 78 79

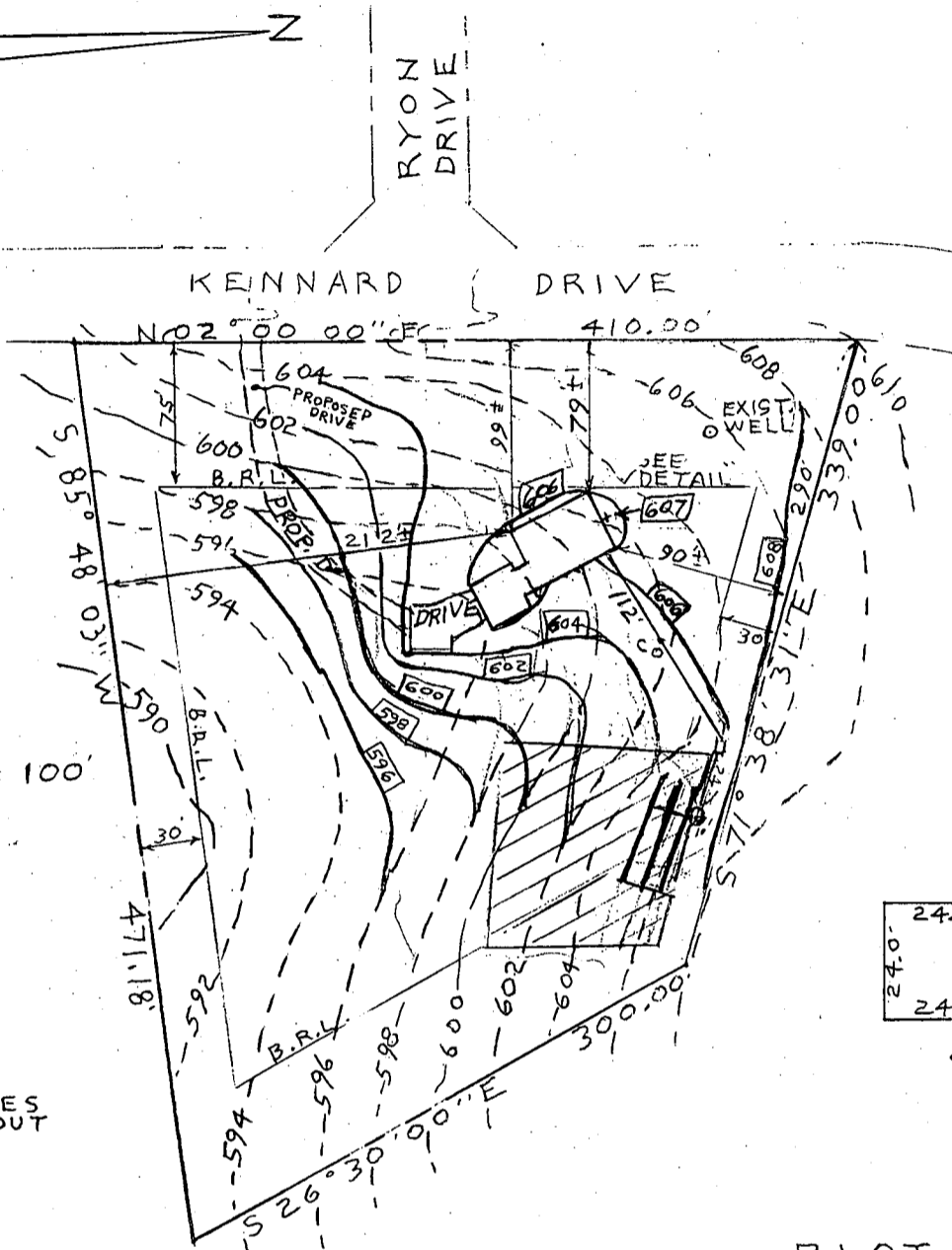
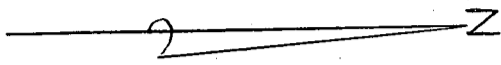
SPECIAL CONDITIONS

William E. Doyle

PERMIT #
52807

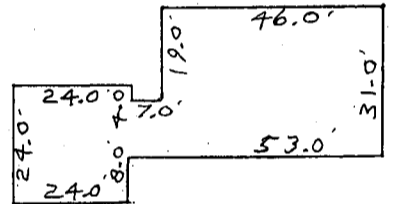
LAND SURVEYOR 8440

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210



SCALE: 1" = 100'

DETAIL



SCALE: 1" = 40'

.CO - DENOTES CLEANOUT

NOTE:

CONTOURS SHOWN HEREON ARE TAKEN FROM APPROVED PRELIMINARY PLAN

NOTE:

TRENCH LENGTH
45 L.F. PER BEDROOM
4 BEDROOMS
TOTAL TRENCH LENGTH
= 180 LF by 2 FT. WIDE

EXIST, GRN. AT DISTR. BOX	606.00
INV. IN DISTR. BOX	602.50
INV. OUT OF SEPTIC TANK	603.13
INV. INTO SEPTIC TANK	603.53
INV. OUT OF DWELLING	605.27
FIRST FLOOR ELEV.	608.00
CELLAR ELEV.	599.00
WELL ELEV.	605.80
NO. OF BEDROOMS	4
ACREAGE	3.032 ACRES

PLOT PLAN

LOT 22, KENNARD DRIVE
CRYSTAL CLEAR, PLAT NO. 8444
ELECTION DISTRICT, 3
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN

DRAWN: FEBRUARY 4, 1994
REVISED: MARCH 24, 1994

BP 52807
3 BR



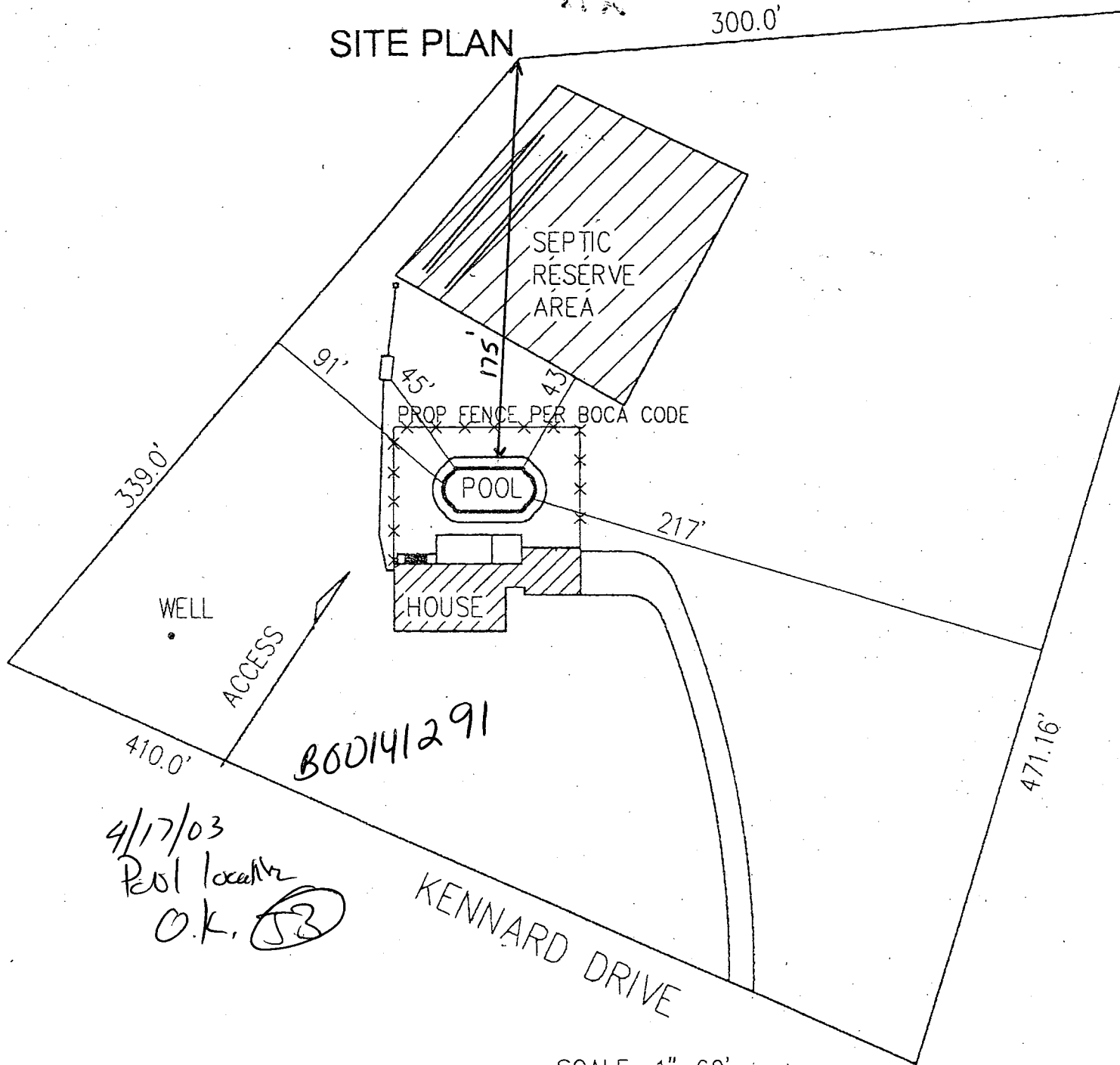
Approved Septic System
Howard County Health Department

I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.

signed William E. Doyle

Aq. Wella 3/25/94
Signature Date

SITE PLAN



4/17/03
 Pool location
 O.K. (JS)

SCALE: 1"=60'

