

PERMIT 03-314340

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49702

A 39560

DISTRICT ~~50000~~ 3rd

DATE 10/28/93

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

313-2640

DATE SYSTEM APPROVED 10/28/93

INSPECTOR R. Decker

INDEXED

Harrison Contractor IS PERMITTED TO INSTALL X ALTER

ADDRESS 2858 Flag Marsh Road, Mt. Airy, Maryland 21771 PHONE 795-8691

SUBDIVISION Crystal Clear LOT 3 ROAD 13820 Kennard Drive

PROPERTY OWNER Mr. and Mrs. Tom Auyeung

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 144

TRENCHES - Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 260 feet from the front lot line and 110 feet from the right lot line. Run trenches along contours in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK M.R. 10/28/93

BLDG. PERMIT SIGNED

AND RETURNED 4/2/94
Serial # 53700 - deck

PLANS APPROVED BY C. Williams/Mark Rifkin REVISED DATE 10/20/93

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

BLDG. PERMIT SIGNED

AND RETURNED 2/17/94
Serial # 52500 -

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. Interview attached

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 39560

10:00
C.O.
12/8/93

APPLICATION

PERCOLATION TESTING

A 39560

P _____

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

7-22-87
Percolation pending
plat approval JEN

DISTRICT 571

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.

Mr. + Mrs TOM AUYEUNG

PROPERTY OWNER Kennard Warfield Jr. Crystal Clear General Partnership

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION: LOT 3 Preliminary
SUBDIVISION Crystal Clear LOT NO. 7

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd
(13820 Kennard Drive)

TAX MAP 22 PARCEL # 533 BLDG. PERMIT SIGNED AND RETURNED 10/20/93
Serial # 50880 -
SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD - 4 Bedrooms
(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.

Mals Rein
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for perc hole location and subdivision plat approval. Make sure to have 10,000 sq ft for septic JEN

BLDG. PERMIT SIGNED AND RETURNED 9/11/89 - SFD
Serial # 38922 - 5 Bedrooms with Package disposal

THIS IS NOT A PERMIT

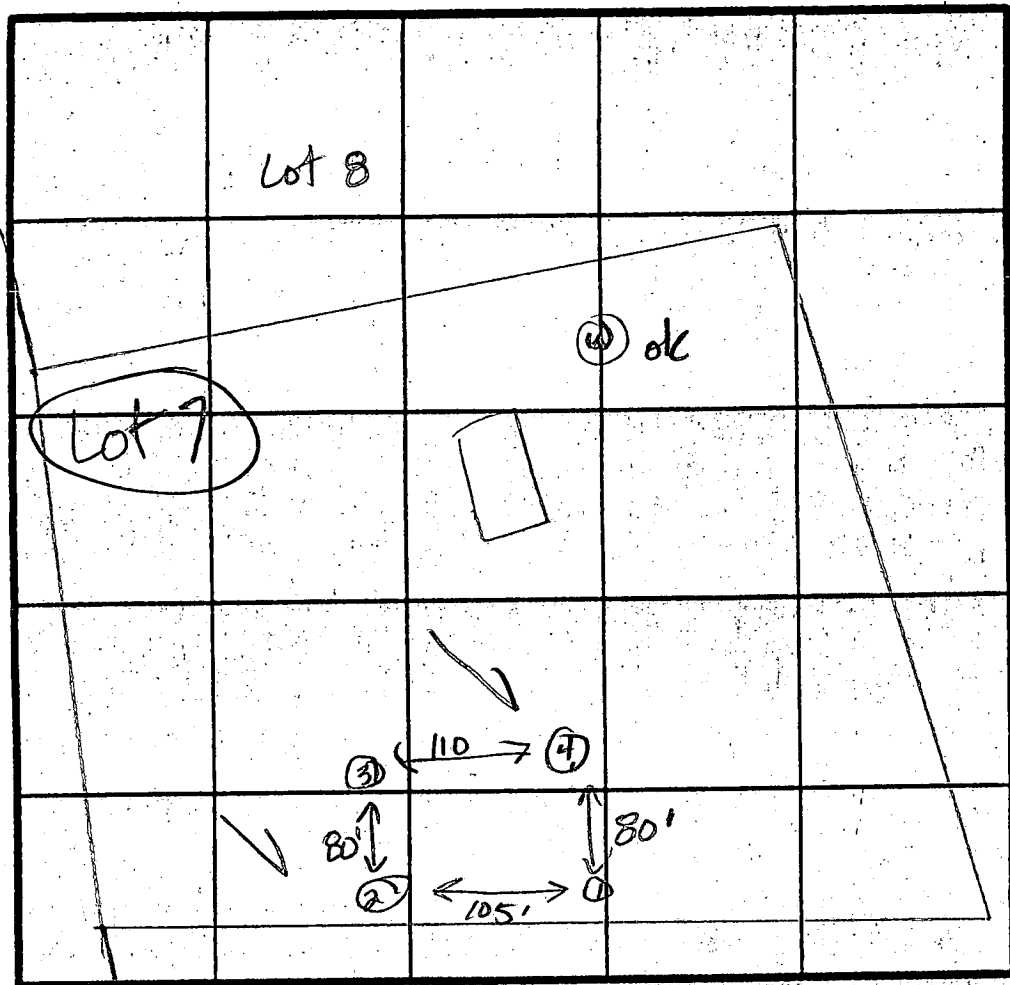
3-4 High
2 ↓
1 low

①
SOIL PROFILE

0-1 Br sil
loam
1-13' Rd-br sil
sa lm
13' Bottom

②

0-3 Rd-br sil
cl loam
3-12.6 Red-yellow
sa sil
loam
12.6 Bottom



̄ Perc 2 min
Specs

Invert @ 4'
4'-9" stone

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

IVORY ROAD

③

0-4.0 Brown
silty cl
loam
4.0-11.5 Yellow-br
micaceous
silty sandy
loam,
trc 45°
bedding
11.5 Bottom

④

0-2.5 Rd br sil
lm
2.5-7.0 Br sil
mica lm
7.0-12.0 Red mic
sa sil
12. Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7-22-85	1	4.0 S	11:01	11:03	11:03	11:05	2	
		13.0 D	Bottom (see profile)					
	2	2.5 S	11:02	11:04	11:04	11:06	2	
		12.6' D	Bottom (see profile)					
	3	11.5 V	(see profile)					ok
	4	4.0 S	11:11	11:15	11:15	11:17	2	
		7.0 M	11:11	11:15	11:15	11:17	2	
		12.0 D	Bottom (see profile)					

Can move uphill 20 ± feet.

REMARKS All holes as located per plat. May not have 10,000 sq ft.

TYPE OF SOIL 0-3 Rd-br sil cl lm, 3-12 Br-Rd-br mic sa sil

TESTED BY JE Nadeau

ALSO PRESENT Mark Glen Ketterman

EH-13079

B 1 **9132** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

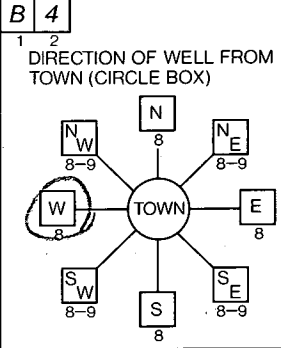
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-88-0792
 fill in this form completely

Date Received (APA) **092589**
 OWNER INFORMATION
GUSHEW LAND CO INC
 21006 BRINK CT
 GAITHERSBURG MD 20879

B 3 LOCATION OF WELL R 44839
 5/25/89 \$30
HOWARD COUNTY
CRYSTAL CLEAR SUBDIVISION
 SECTION **3** LOT **3**
GLENELG NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1** MI

DRILLER INFORMATION
 George F. Easterday
 L. Franklin Easterday, Inc.
 9265 Brown Church Rd., MT. Airy, Md. 21771
 Signature *George F. Easterday* Date **5-24-89**



13820 KENNARD DR NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 DISTANCE FROM ROAD **220** FT

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME
A 39560 COUNTY NO.
 DATE ISSUED **063089**
 CO SIGNATURE *Chia Williams* EXP. DATE **12/30/89**
 NORTH GRID **573000** EAST GRID **501000**

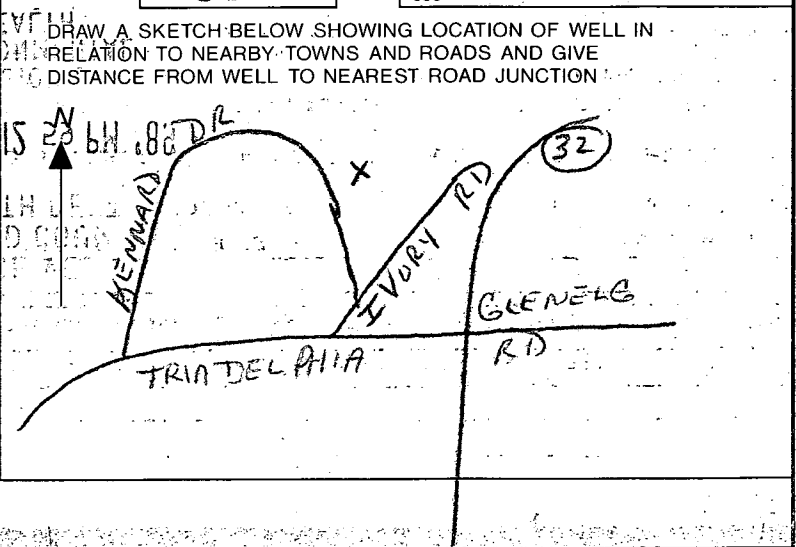
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL **200** FEET
 APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

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 **800**
 N **5203**

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) _____



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER **GAP**
 FORCE **OW** PERMIT No. **HO-88-0792**
 SPECIAL CONDITIONS

C 1 9963
 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 39560**

ST/CO USE ONLY
 DATE RECEIVED

DATE WELL COMPLETED
072899

Depth of Well
700
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
H0-88-0792

OWNER **GOSMAN LAND CO.**
 STREET OR RFD. last name **Kennedy Dr** first name **GREENE** TOWN **GREENE**
 SUBDIVISION **GREENE CIRCLE** SECTION **1** LOT **3**

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	2	6	
Soft brown mica	6	76	
Sand, gravel, silt	77	86	
Brown M. ca	86	113	
Grey M. ca	113	128	
Brown mica	128	136	
Grey M. ca	136	300	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle appropriate box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **99** NO. OF POUNDS **3772**
 GALLONS OF WATER **135**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **80** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **1** Total depth of main casing (nearest foot) **115**

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

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

C 2

EACH CASING SCREEN	DEPTH (nearest ft.)	
	1	2
1	10	300
2		
3		

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

C 3

PUMPING TEST
 HOURS PUMPED (nearest hour) **7**
 PUMPING RATE (gal. per min. to nearest gal.) **4**
 METHOD USED TO MEASURE PUMPING RATE **Direct**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **72**
 WHEN PUMPING **171**
 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: **S**
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____
 PUMP HORSE POWER _____
 PUMP COLUMN LENGTH (nearest ft.) _____
 CASING HEIGHT (circle appropriate box and enter casing height)
A above } LAND SURFACE
B below } **2** (nearest foot)

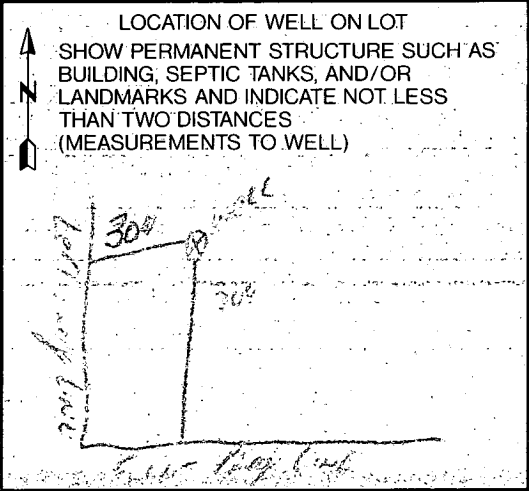
CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

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. **410**
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK _____
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **68**

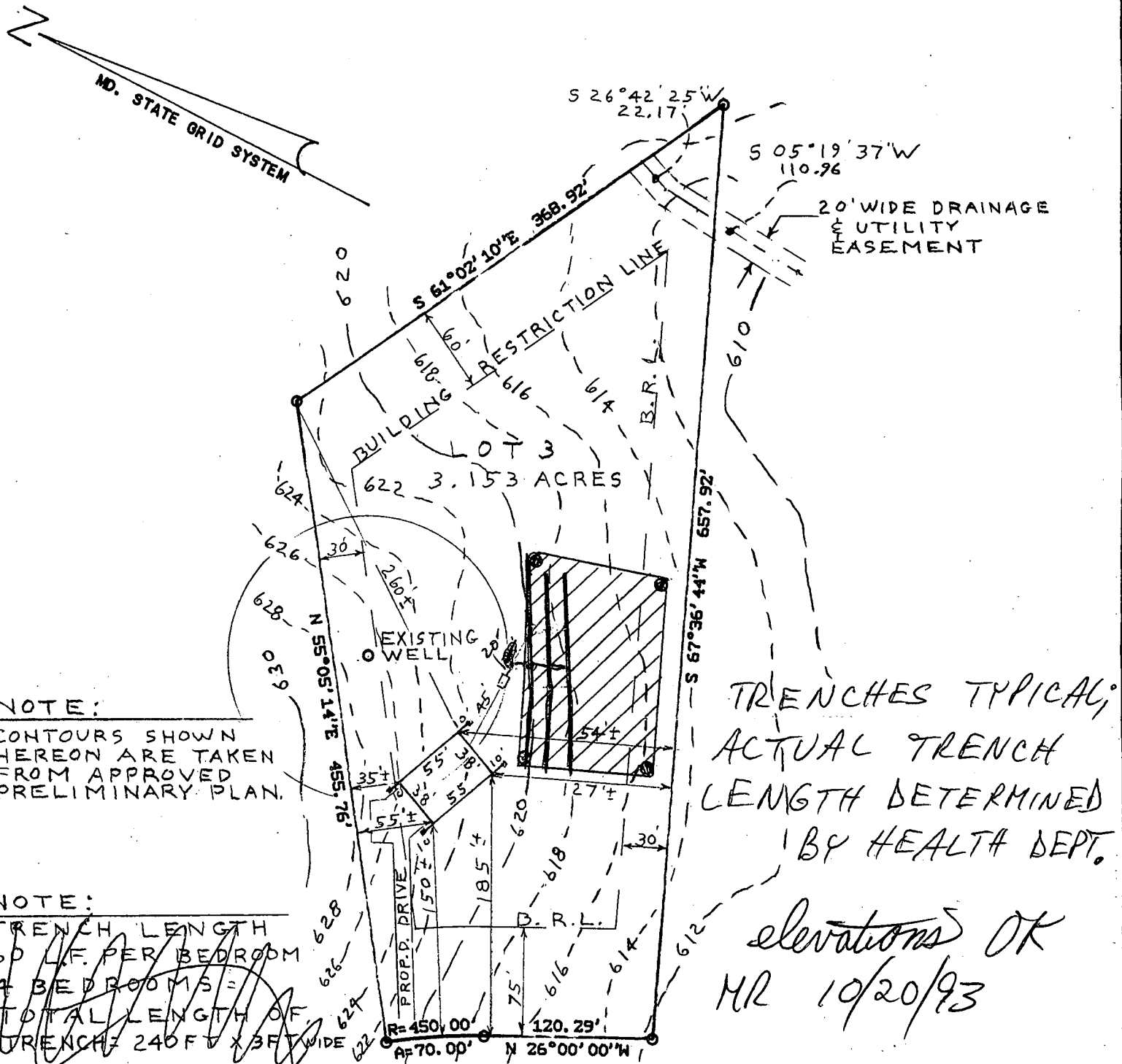
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) W Q
 70 _____ 72 _____ 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA



William E. Doyle

LAND SURVEYOR 8440

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



NOTE:

CONTOURS SHOWN HEREON ARE TAKEN FROM APPROVED PRELIMINARY PLAN.

NOTE:

TRENCH LENGTH 60 LF. PER BEDROOM
 4 BEDROOMS =
 TOTAL LENGTH OF TRENCH = 240 FT X 3 FT WIDE

TRENCHES TYPICAL;
 ACTUAL TRENCH LENGTH DETERMINED BY HEALTH DEPT.

elevations OK
 MR 10/20/93

INV. INTO TRENCH	616.50'
EXIST, GRN. AT DISTR. BOX	620.00
INV. IN DISTR. BOX	616.80
INV. OUT OF SEPTIC TANK	617.04
INV. INTO SEPTIC TANK	617.44
INV. OUT OF DWELLING	618.14
FIRST FLOOR ELEV.	629.00
CELLAR ELEV.	620.00
WELL ELEV.	626.80
NO. OF BEDROOMS	4
ACREAGE	3.153 ACRES

KENNARD DRIVE

PLOT PLAN

LOT 3, KENNARD DRIVE
 CRYSTAL CLEAR, PLAT NO. 8443
 ELECTION DISTRICT 3
 HOWARD COUNTY, MD.

SCALE: 1" = 100'
 DRAWN: OCTOBER 19, 1993

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

signed William E. Doyle



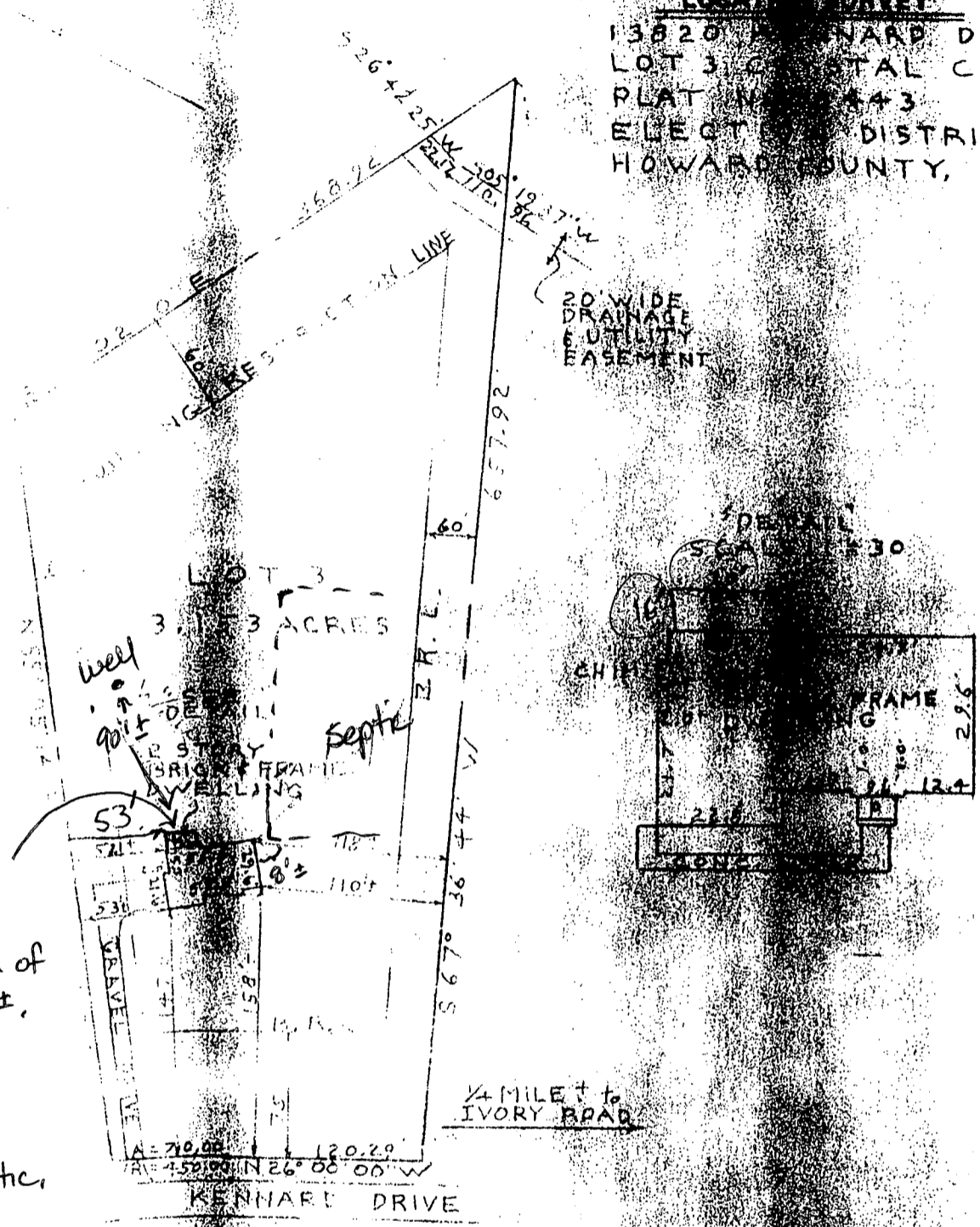
William E. Doyle

LAND SURVEYOR 2480

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE 281-785-2210

LOCATION SURVEY

13820 KENNARD DRIVE
LOT 3 CRYSTAL CLEAR
PLAT NO. 443
ELECTORAL DISTRICT 3
HOWARD COUNTY, MD.



Rear length of house 55' ±,
 $\frac{55}{-16}$
 39'
 39' ft from porch to septic.
 OK to approve
 JENadean
 4-21-94.

BP 53740
 13820 Kennard Drive
 Lot-3 Crystal Clear

THIS IS TO CERTIFY THAT THIS HOUSE DOES NOT LIE WITHIN A FLOOD PLAIN UNLESS SHOWN HEREON.

THIS IS TO CERTIFY THAT WE HAVE MADE A LOCATION SURVEY OF THE IMPROVEMENTS, AND THAT THEY ARE LOCATED ON THE LOT AS SHOWN HEREON.

Signed This 4TH day APR 1924
 William E. Doyle

NOTE: This plat cannot be used to establish property lines.