

10/16/84
afternoon
10/17/84

11/3/84 AM
W.P.I.

approved
10/17/84
C. Miller

PERMIT

P 33254
A 31385

SEWAGE DISPOSAL SYSTEM MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 6th
DATE 10/21/83

INDEXED

Voneiff _____ IS PERMITTED TO INSTALL ALTER _____

ADDRESS 9900 Gorman Road, Laurel, MD 20707 PHONE _____

SUBDIVISION (Waskey Property) ROAD 9880 Gorman Road LOT 1

PROPERTY OWNER Ladue Real Estates

ADDRESS 511 Fourth Street, Laurel, MD 20707

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

GARBAGE GRINDER? YES NO _____

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 3

1500 septic tank with garbage disposal. Minimum total square feet for 3 bedroom, 824.

TRENCHES: 276 sq. ft. per bedroom. Trench to be 3 ft. wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 5 ft. below original grade. Effective area begins at 3 1/2 feet below original grade. 1 1/2 feet of stone below distribution pipe.

NOTE: (1) No trench to exceed 100 ft. in length; (2) If more than one trench used, a distribution box is required; (3) trenches to be installed on level ground. (4) Call for inspection of trench before gravel is installed; (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell; and ~~(6) if garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.~~ LOCATION: Start the first trench 50 ft. from the left sideline (which is 183,16 ft. long) and 95 ft. from the rear (68.83 ft. long) lot line, as seen when facing the lot from Gorman Road. Continue to dig trench on level ground running due west, towards the left front corner of the lot. Place second trench parallel to and 10 ft. away from first trench.

PLANS APPROVED BY Frank Skinner DATE Oct. 17, 1983

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE YEARS.

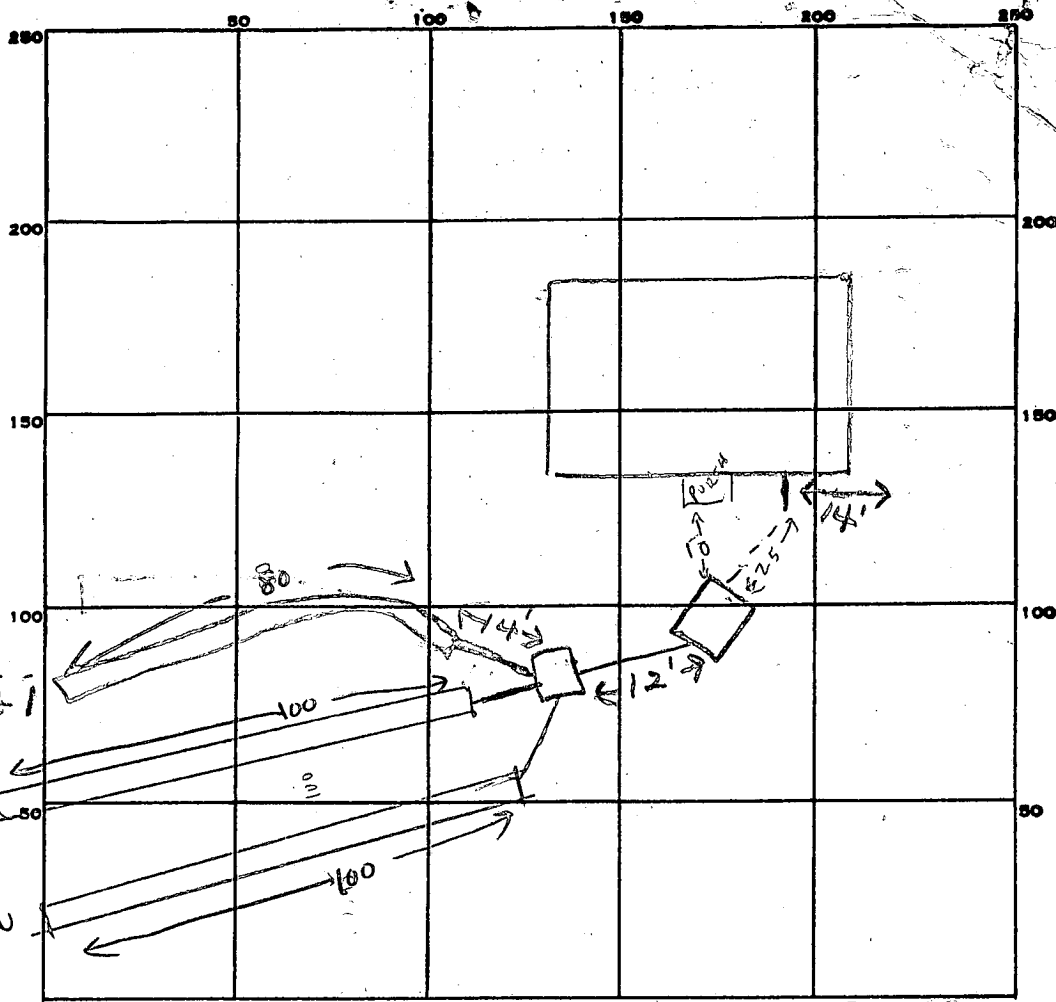
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

BLDG. PERMIT SIGNED
AND RETURNED 3/5/84
S.F.D. # 57459

31385

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.



276
3
828

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Garman

PERMIT CARD _____

SEPTIC TANK, LEVEL ✓ 1500 gal CLEANOUTS STV ✓

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 7 FT. TRENCH WIDTH 3 FT.

GRAVEL DEPTH 1 1/2 IN. TOTAL LENGTH 80 FT.

NUMBER OF TRENCHES 3 (80+100+100) TOTAL BOTTOM AREA 940

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 10/16/84 - OK to cover #1 trench JS

10/17/84 - OK to cover #2 TRENCH CW

10/17/84 OK TO COVER ALL WORK

DATE SYSTEM APPROVED 10/17/84 INSPECTOR *C. Williams*

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31385

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 4-8-81

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 Ronald R. Ladue

ADDRESS 9900 Gorman Road Laurel, Md. PHONE 953-7666

PROPERTY LOCATION:

SUBDIVISION Parcel 4 Tax Map 47 LOT NO. "1"

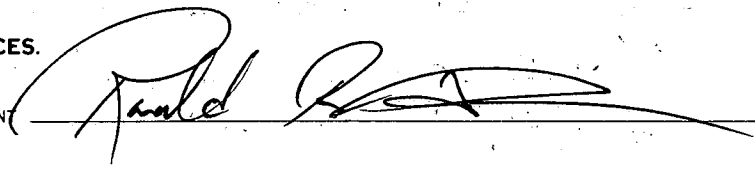
ROAD AND DESCRIPTION Route #29 East on Gorman Road Approx. 3 miles to property on left.
(old yellow frame structure on front)

SIZE OF LOT Approx. 1.5 acres TYPE BLDG. (1) Residential dwelling

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.

SIGNATURE OF APPLICANT 

TENTATIVE

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6/8/81 FOR HOUSE SITE, WATER WELL SITE; CERTIFIED

HOLES,
C.B.O.

THIS IS NOT A PERMIT

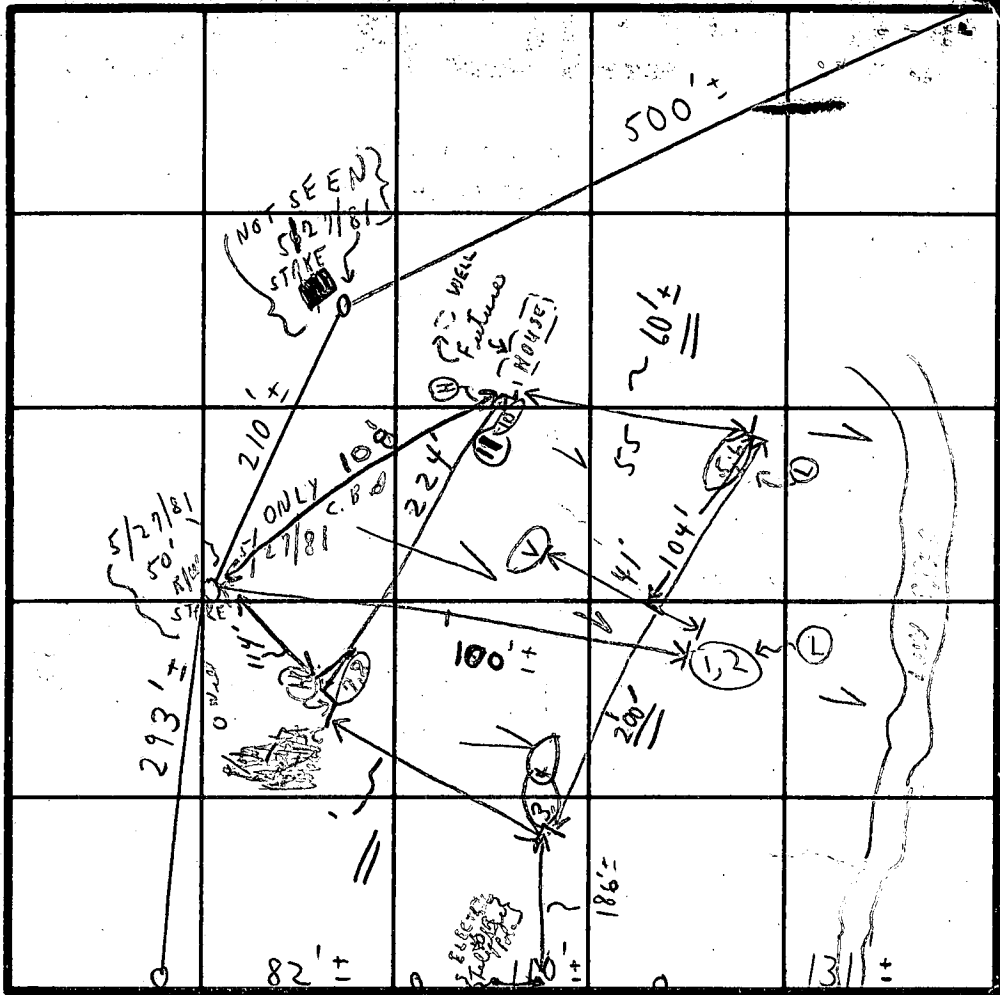
#1

SOIL PROFILE

SEE EACH HOLE BELOW

↓

FIELD SHEET



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

GORMAN ROAD

SOIL PROFILE

1' - 2' 8" LOAM TO WATER @ 10'

1' - 3' 6" CLAY

{ SANDY LOAM 3' to 11 1/2' }

1' - 2' 0" CLAY

2 1/2' LOAM to 11"

1' - 3 1/2' CLAY

3 1/2' LOAM & SOME SAND - STONE 11"

1' - 3 1/2' CLAY

3 1/2' CLAY TO 11"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/27/81	1	2'-8"	9:51	10:04	10:04	10:21	17 min
	2	'				@ 1:36	WATER STEADY
	3	3'-2"	1:21	1:26	1:26	1:45	19 min
	(L) 4	7'	1:56	2:08	2:08	2:35	27 min
	5	2 1/2'	1:07	1:08	1:08	1:19	11 min
	(L) 6	6 1/2' px.	1:32	1:35	1:35	1:44	9 min
	7	4'	3:38	3:46	3:46	4:15	28 min
	(H) 8	8'	4:20	4:31	4:31	4:59	28 min
	9	11'					
	(H) 10	3 1/2'	2:54	3:00	3:00	3:13	13 min
	11	7 1/2'	3:51	3:55	3:55	4:05	10 min

inlet 3 1/2

file field

225/BR

276E disposal

Some dirt fell in

REMARKS

COPY GIVEN MR. CLARK

TYPE OF SOIL

TESTED BY

MR. LADUE / MR. CLARK STAKED HOLES

TEST HOLES IN OPEN

(4) SYSTEM FIRST

(5) HOUSE MUST BE 20' FROM SEPTIC AREA - APPROVED - NEED ONLY - UNLESS SHOWN OTHERWISE

FOR: (1) HOUSE SITE (2) WELL SITE (3) CERTIFY HOLES

(1) MR. LADUE & PARTNER - LATE MILLER

(2) 2 DIGGERS CARL & PAT CLARK

(3) CLARK

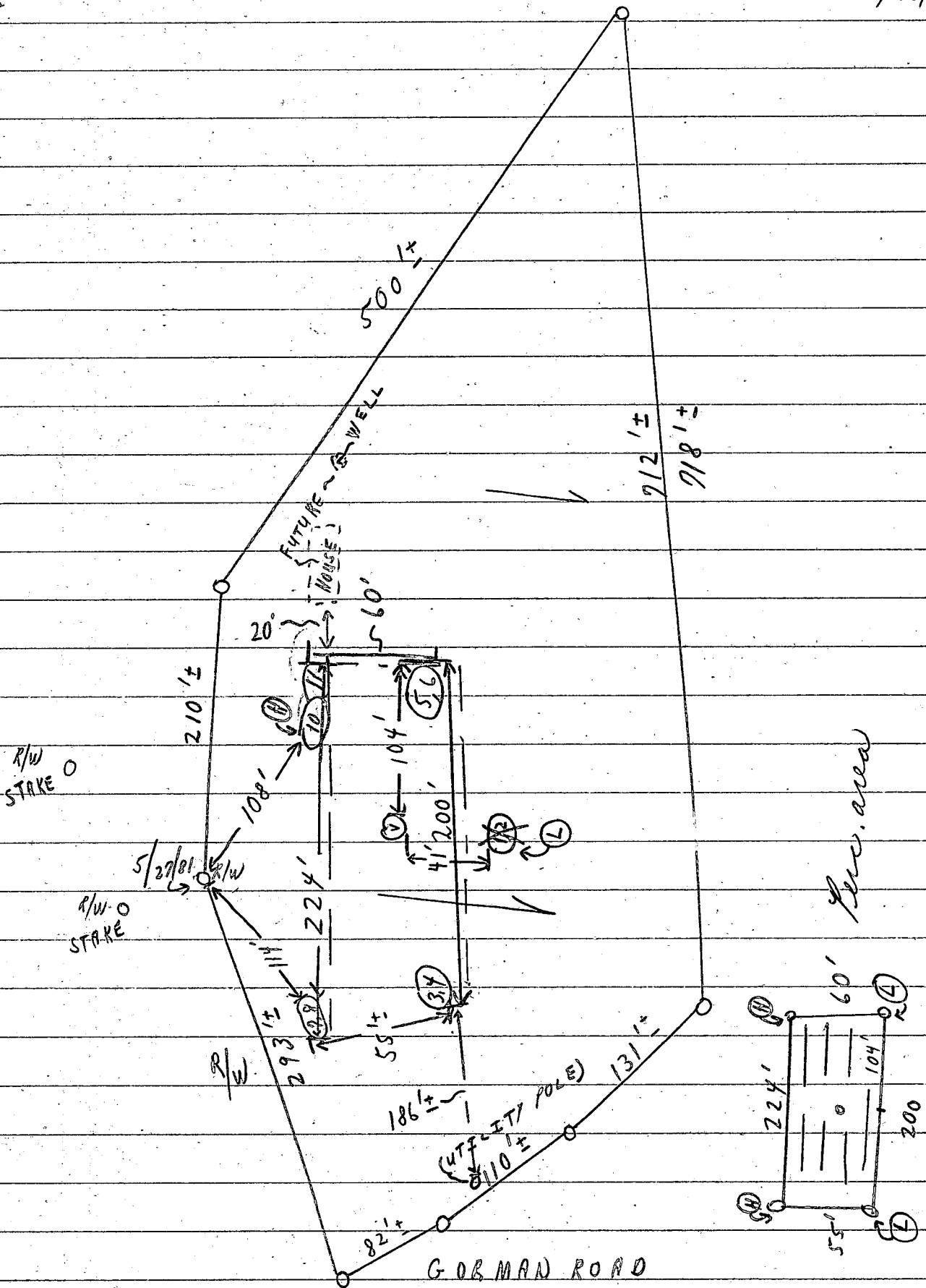
ALSO PRESENT

LOT 1

R.R. LADUE

GORMAN ROAD

{ REACCOMPLISHED AT OFFICE 5/28/81 P.M. }



B 1 7208

SEQUENCE NO. (OEP USE ONLY) 10/6/83

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-0276

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

please print or type

fill in this form completely

Date Received

082383

OWNER INFORMATION

RODUE KEAL ESTATE

111 FOURTH STREET

LAUREL MDA0707

DRILLER INFORMATION

GEORGE F. EASTERDAY 40

N.F. EASTERDAY, INC.

ONE S. BOND WILSON RD. MT. AIRY, MD 27071

Signature: George F. Easterday Date: 8/22/83

B 3

LOCATION OF WELL

HOWARD

WISKEY PROPERTY

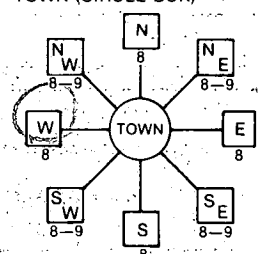
SECTION LOT 1

SAVAGE

MILES FROM TOWN (enter 0 if in town) 2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



GORMAN ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST EAST

DISTANCE FROM ROAD 300 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)

- 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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME
A31385 COUNTY NO.
DATE ISSUED 092083
CO SIGNATURE Frank Sherrin 3/26/83
EXP. DATE
NORTH GRID 477000 EAST GRID 0841000

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 DEEPEMED 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 FS PERMIT No. 40-81-0276

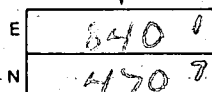
SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

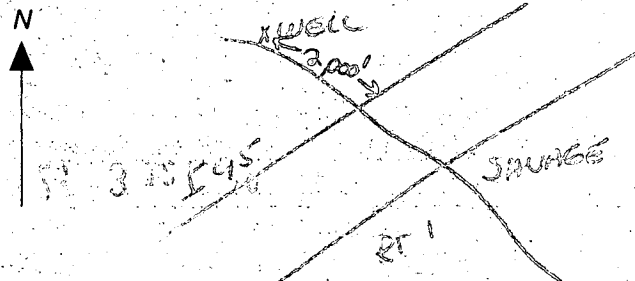
SOURCES OF DRILLING WATER

- 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



- ① 31 FT CASING 2 FT OUT OF GROUND
- ② 28 FT OPEN HOLE
- ③ 8 BAGS
- ④ LOCATION OF PER PLAN
- ⑤ WELL ON

10/6/83

RJH

SEQUENCE NO. (OEP USE ONLY)

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.

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

COUNTY NUMBER **A 31385**

DATE RECEIVED
8 13

DATE WELL COMPLETED
10 03 83

DEPTH OF WELL
22 300 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-81-0270
28 29 30 31 32 33 34 35 36 37

OWNER **Ladue Real Estate**
STREET OR RFD **Borman Road** first name TOWN **Savage**
SUBDIVISION **Waskey Property** SECTION LOT **1**

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	
brown mica schist	2	20	
gray mica	20	45	
brown mica schist	45	55	
gray clay	55	68	
gray mica	68	80	
sandstone	80	90	
gray mica w/ quartz	90	120	
gray mica	120	300	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
TYPE OF GROUTING MATERIAL
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS **8** NO. OF POUNDS **800**
GALLONS OF WATER **45**
DEPTH OF GROUT SEAL (to nearest foot)
from **0** ft. to **28** 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 Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
 ST **6** **31**

OTHER CASING (if used)
diameter inch 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

SCREEN
DEPTH (nearest ft.)
1 **H0** **29** **300**
2
3
EACH CASING
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60

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 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 (MUST MATCH SIGNATURE ON APPLICATION)
Robert K. Neuber

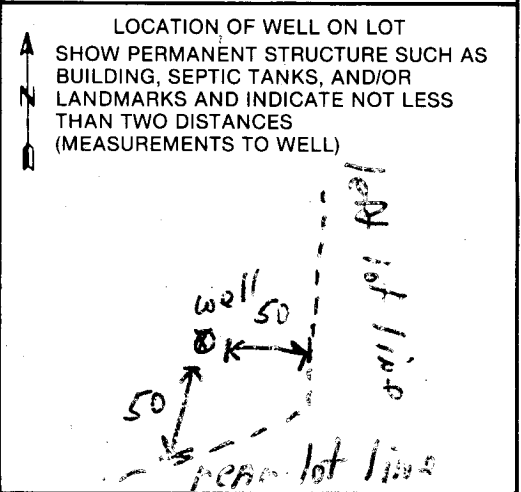
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK from to
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.) 70 72
WQ 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
1 2
PUMPING TEST
HOURS PUMPED (nearest hour) **6**
PUMPING RATE (gal. per min. to nearest gal.) **3**
METHOD USED TO MEASURE PUMPING RATE **Bucket**
WATER LEVEL (distance from land surface) BEFORE PUMPING **27**
WHEN PUMPING **55**
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) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height)
 above } LAND SURFACE
 below } **2** (nearest foot)
50 51



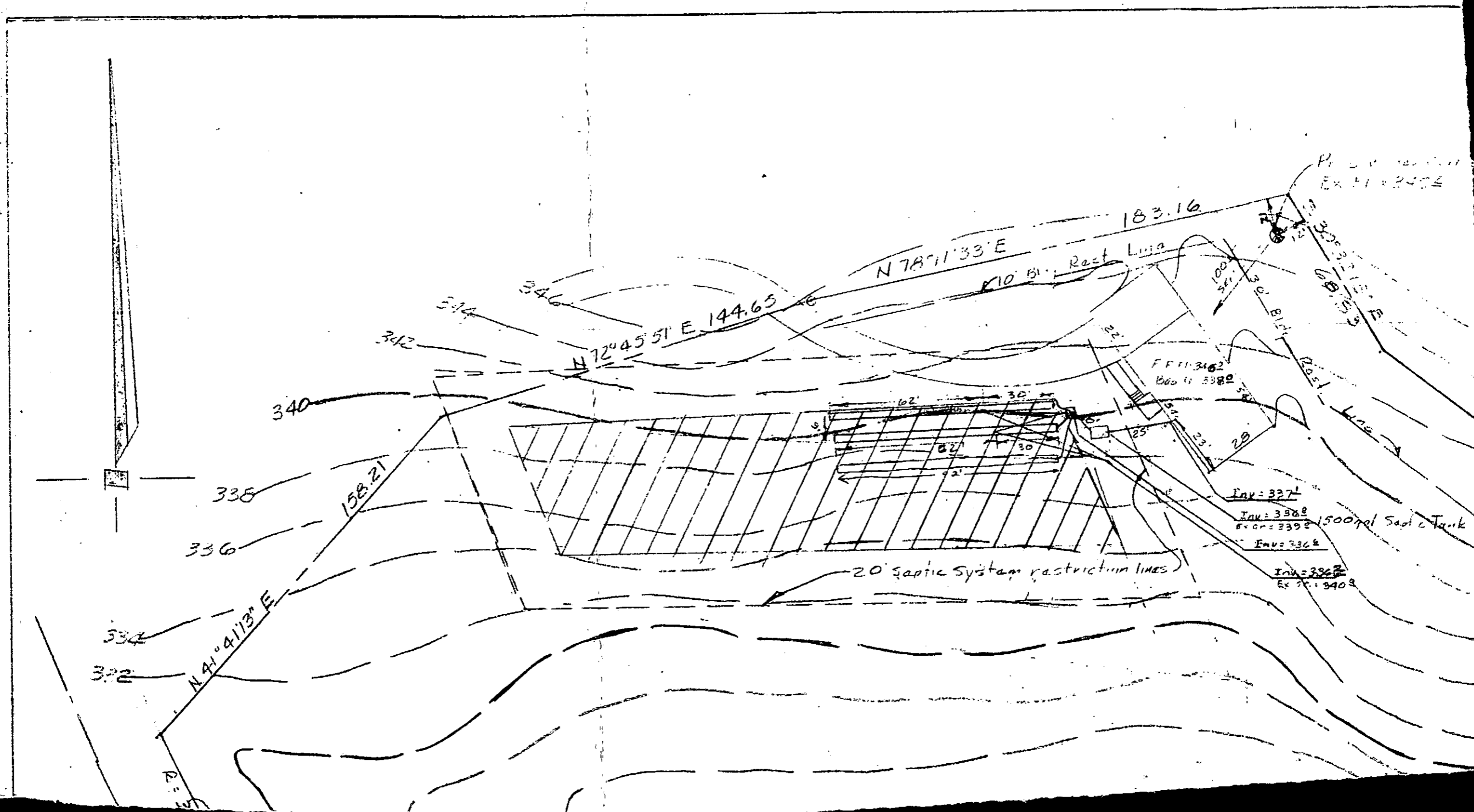
FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0276
 Location of property (road) Garman Road
 Subdivision Waskey Property Lot 1 Block Plat Sec.
 Well Driller George Easterday Owner Ladys Real Estate
 Depth of well 300 26 PM
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 27'

I. High rate pumping -- reservoir drawdown
 Time pump started 8:55 Pumping rate 8
 Total time 20 min. to reach pumping water level _____ ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes P 280'

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)
9:15	72'	30 sec		2 G.P.M
9:30	72'	30 sec		2 G.P.M
9:45	72'6"	30 sec		2 G.P.M
10:00	72'6"	30 sec		2 G.P.M
10:15	72'6"	30 sec		2 G.P.M
10:30	72'6"	30 sec		2 G.P.M
10:45	72'6"	30 sec		2 G.P.M
11:00	72'6"	30 sec		2 G.P.M
11:15	73'	30 sec		2 G.P.M
11:30	73'	30 sec		2 G.P.M
11:45	73'	30 sec		2 G.P.M
12:00	73'	30 sec		2 G.P.M
12:15	73'	30 sec		2 G.P.M
12:30	73'	30 sec		2 G.P.M
12:45	73'	30 sec		2 G.P.M
1:00	73'	30 sec		2 G.P.M
1:15	55'	30 sec		2 G.P.M
1:30	55'	30 sec		2 G.P.M
1:45	54'	30 sec		2 G.P.M
2:00	54'	30 sec		2 G.P.M
2:15	54'	30 sec		2 1/2 G.P.M
2:30	54'	30 sec		2 1/2 G.P.M
2:45	54'6"	25 sec		2 1/2 G.P.M
3:00	54'6"	25 sec		2 1/2 G.P.M
3:15	55'	25 sec		2 1/2 G.P.M



Plat of ...
Ex: 3398

N 78° 11' 33" E 183.16

N 72° 45' 51" E 144.65

N 41° 41' 13" E 158.21

10' Bl. Rest. Line

3' Bl. Rest. Line

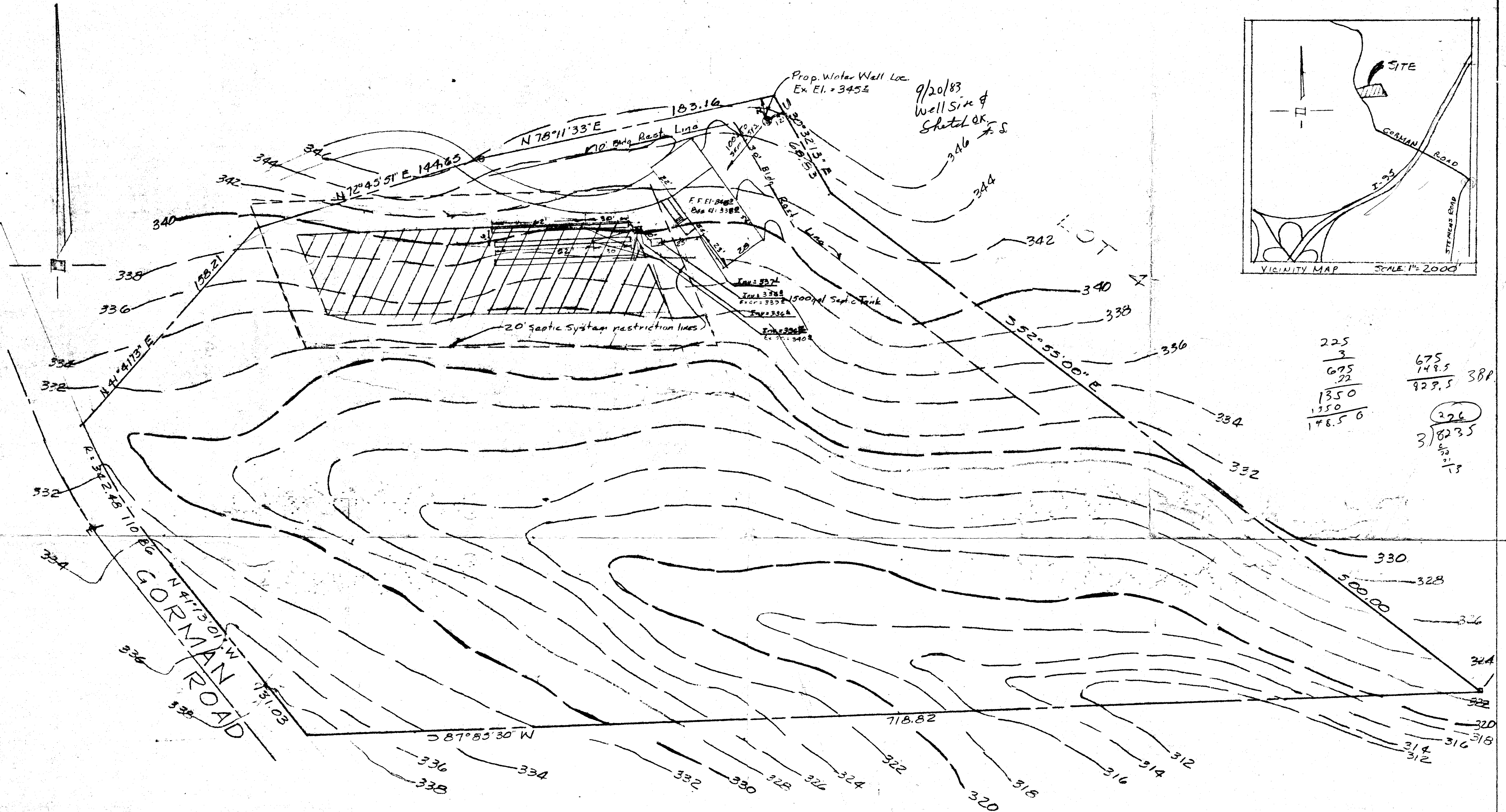
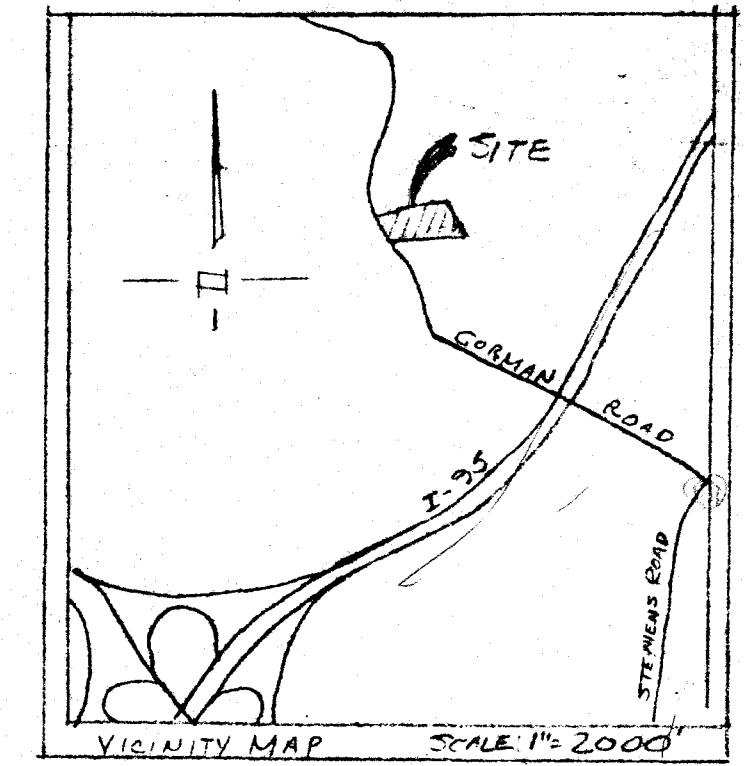
FF 11-3162
Box 11-3382

Inv: 3374
Inv: 3388
Ex: 3398
Inv: 3366
1500 gal Sptic Tank

20' sptic system restriction lines

Inv: 3362
Ex: 3409

R: 1/4



$$\begin{array}{r} 225 \\ 3 \\ \hline 675 \\ 22 \\ \hline 1350 \\ 1350 \\ \hline 148.5 \end{array}$$

$$\begin{array}{r} 675 \\ 148.5 \\ \hline 923.5 \end{array}$$

38P
 226
 318235
 1/2
 1/3

Septic System notes:
 1. 1500 gal Septic Tank (3 Bedrooms + Garbage disposal)
 2. 24' of trenches 5 feet deep and 3 feet wide, bottom 1 1/2 feet to be filled with 2" gravel or crushed stone.
 3. Drain field pipe inverts to be 3 1/2 feet below surface and the pipes covered with 6" of gravel.
 4. Trenches are to be separated by 7' center to center.

I certify that the above measurements and elevations are actual and correct for this property.
Jacob Clark 9-16-83
 Registered Land Surveyor, Md 4379

SITE PLAN
LOT I - WASKEY PROPERTY
 TAX MAP 4 P10 PARCEL 4
 Sixth Election Dist
 Howard County, Md.
 Scale 1" = 40' Sept., 1983

Prepared by
 THE J. E. CLARK CO
 Laurel, Md. 830901