

5/8/85 AM
ASHP
5/10/85 AM

10-10:30

5-1085
Approved
S. King

PERMIT

P 35374
A 27390

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

ELLICOTT CITY

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

DISTRICT 4th.

INDEXED

04-340922

DATE 5/1/85

Walter W. King Plumbing IS PERMITTED TO INSTALL ALTER

ADDRESS 8097A Hillmark Court, Frederick, MD 21701 PHONE 662-6990

SUBDIVISION Leonard Kogan ROAD 18210 New Cut Road LOT 2

PROPERTY OWNER Carl Minkel

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe. LOCATION: Start the first trench 175 feet from the rear (737.88') lot line and 200' from the left (199') lot line. Run trench(s) along level ground toward front-left part of lot. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY C. Williams DATE 3/20/85

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.

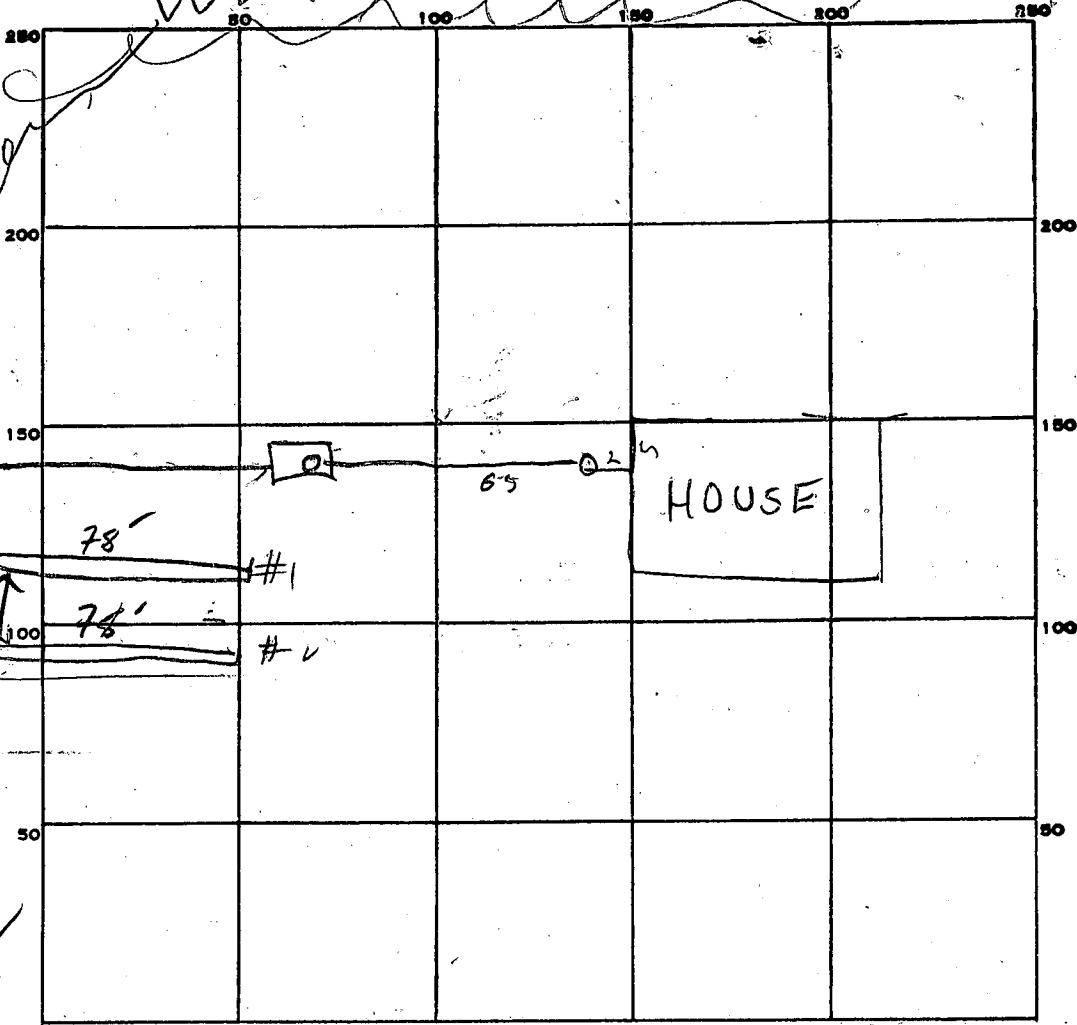
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT.**

*CALL 992-2330 FOR INSRECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 27390

WOODS



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

NEW CUT R/D

$$\begin{array}{r} 180 \\ 230 \\ 150 \\ 245 \\ 1780 \\ 424 \\ \hline 7020 \end{array}$$

PERMIT CARD

SEPTIC TANK, LEVEL OK 1000
TOP 2F7B06.

CLEANOUTS ST

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH #1 8.5 / #2 8.5 FT. TRENCH WIDTH #1 2 / #2 2 FT. INLET #1 4"
 #2 4"

GRAVEL DEPTH 4.5 IN. TOTAL LENGTH #1 78 / #2 70 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 7020

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

ABSORBENT AREA 702 SQ. FT.

REMARKS 5/9/85 1117 AM FINISH JOB & CALL

5-16-85 OK TO COVER ALL WORK SA

DATE SYSTEM APPROVED 5-10-85

INSPECTOR SABER

APPLICATION

A 27390

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 4th Election

DATE 12-21-77

~~ANGEL JONES~~

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.

Carl Minkel

PROPERTY OWNER ~~Leonard Kogan and Nancy Kogan~~

ADDRESS 8630 Fenton Street, Silver Spring, Md. 20910 PHONE (301)565-0222

PROPERTY LOCATION: LEONARD L KOGAN PROP LOT 2

SUBDIVISION ~~Kogan~~ LOT NO. 41

ROAD AND DESCRIPTION The property is located southeast side of intersection of
18210 New Cut Road and Long Corner Road.

SIZE OF LOT 3 acres TYPE BLDG. Residential
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT *John Kogan*

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE B.P. 63441
(KIND OF SYSTEM)

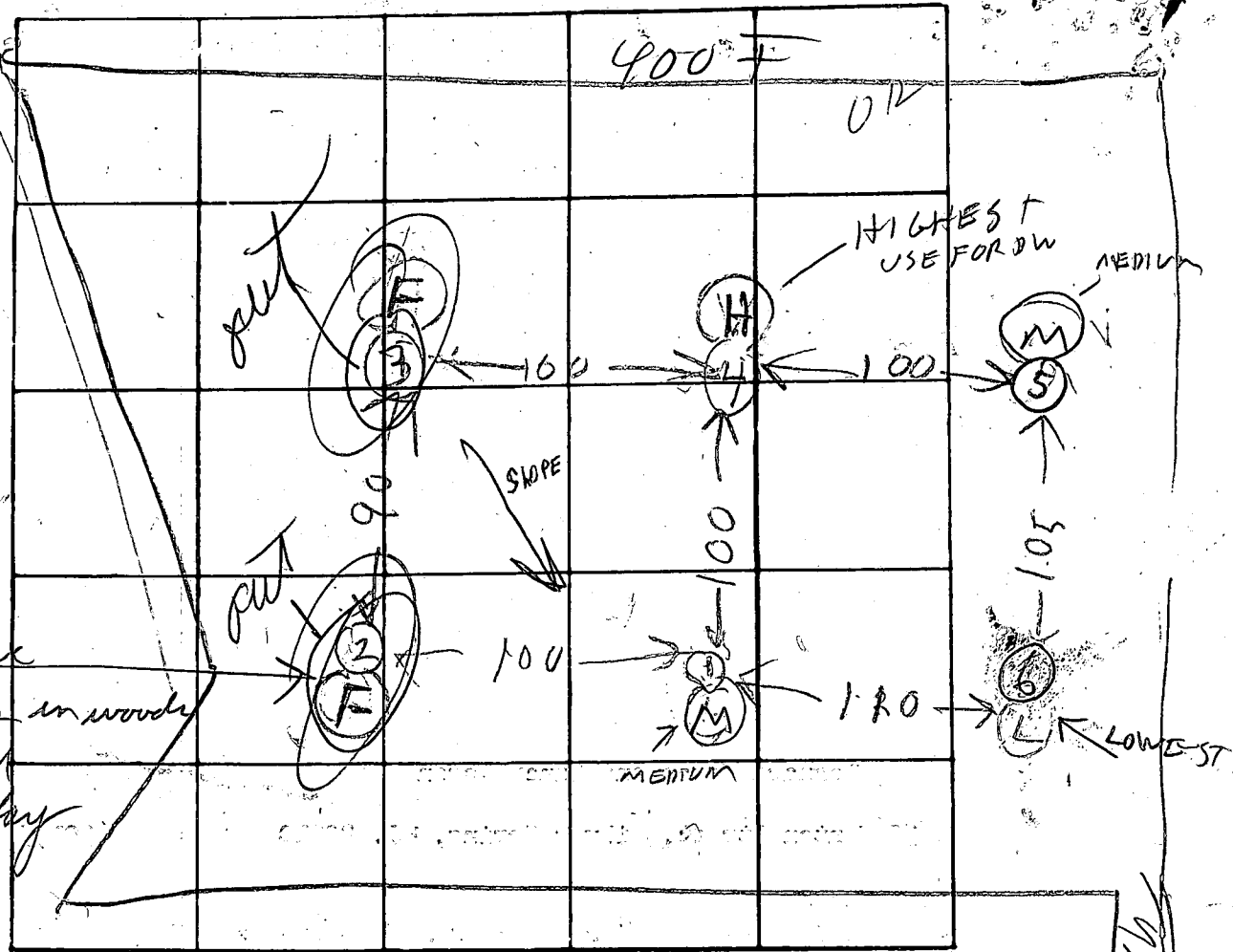
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 1/3/78 Per OK Hold for Plat

BLDG. PERMIT SIGNED
AND RETURNED 3-20-85

THIS IS NOT A PERMIT

lot 41



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

NEW CUT RD

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST START	TEST DROP STOP	TIME
1/4/78	1 S	4 1/2	1029	1034	1034	1059	25 LOWEST
1/4/78	1 D	1 D	1032	1034	1034	1042	6
	(2 D)	12	1032	1051	1051	1127	little per LOW
	(2 S)	4 1/2	1032	1100	1100	1130	little per
	3 D	11	1045	1125	1045	1146	40 min HIGH
	3 S	5	1106	1114	1114	1146	little per
	4 D	13 1/2	1136	1130	1137	1140	3 HIGH
	4 S	4 1/2	1139	1145	1145	1155	10
	5 D	12	1206	1207	1207	1211	4
	5 S	5	1209	1210	1210	1211	2
	6 D	12 1/2	1230	1232	1232	1235	3
1/4/78	6 S	5 1/2	1234	1251	1251	115	24
	6 E	14	SHALEY SANDY		DRY		

REMARKS: Holes on this lot are in same location

TYPE OF SOIL: as shown on testing plat, Extra Holes

TESTED BY: R HODGES

ALSO PRESENT: H. S. P. K.

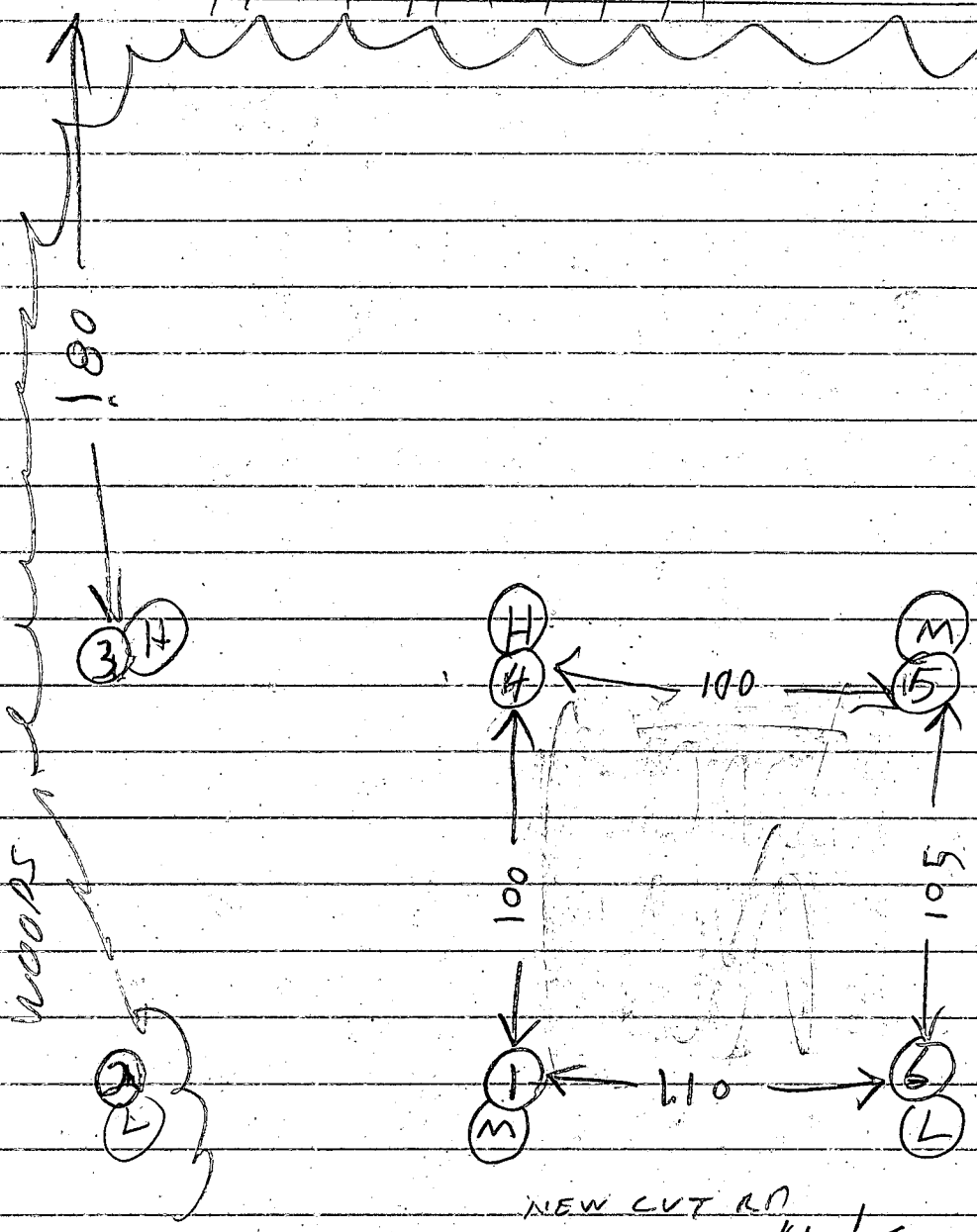
ROGER ANDERSON (UEN)

A 2739.0 LEONARD L
KOGAN

Page 2
~~KOGAN~~

AVERAGE ROW
FENCE, CON

~~Lot 4~~
Lot 2



NEW CUT RD
4/10/80

BH & David Sapp of Boender
Remasured lot

FORMERLY
KOGAN PROP

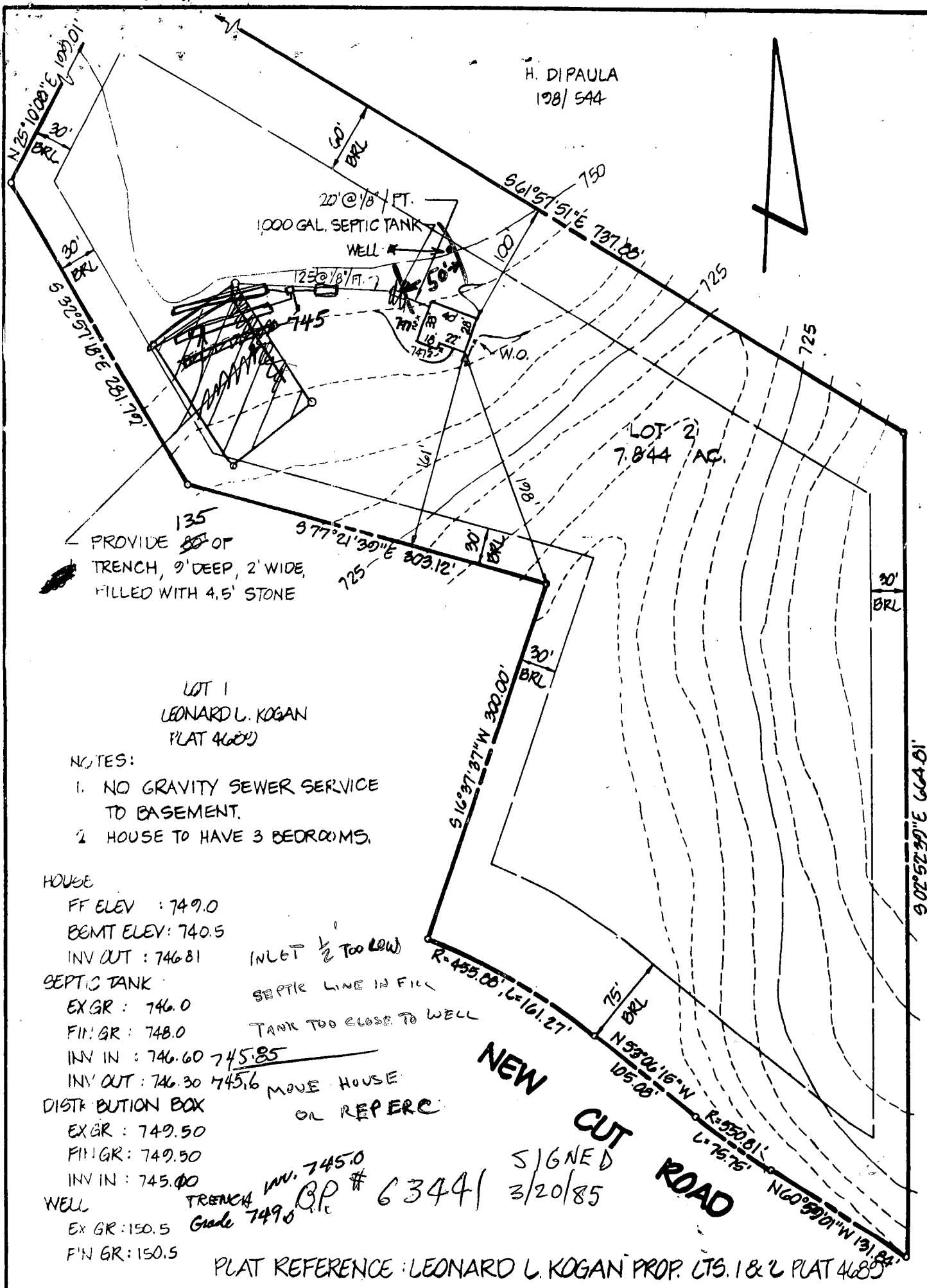
KOGAN Prop

NEW#	FROM PARCEL NOV 79	FROM PRELIM PLAT 04779	AV TIME	MAX DEPTH	COMMENTS
1	G	42	10	3	Perc area OK
2	G	41	10	4	Perc area OK

8/20/80 Perc Areas
for Kogan Prop OK & Depths
& Average times wrote up
R Hodge

9/1/80 - av Time & Max Depths
wrote on Prelim plat to be signed
by H.O. Original of Final
Plat of Kogan Prop in O.K.
per P.F. & can be signed by H.O.
H.O. can now sign R.H.

H. DIPAULA
198/544



PROVIDE ~~85~~ OF
TRENCH, 9' DEEP, 2' WIDE,
FILLED WITH 4.5' STONE

LOT 1
LEONARD L. KOGAN
PLAT 4680

NOTES:

1. NO GRAVITY SEWER SERVICE TO BASEMENT.
2. HOUSE TO HAVE 3 BEDROOMS.

HOUSE

FF ELEV : 749.0
BGMT ELEV: 740.5
INV OUT : 746.81

SEPTIC TANK

EX GR : 746.0
FIN GR : 748.0
INV IN : 746.60 745.85

DISTRIBUTION BOX

EX GR : 749.50
FIN GR : 749.50
INV IN : 745.00

WELL

EX GR : 150.5
FIN GR : 150.5

INLET 1/2 TOO LOW

SEPTIC LINE IN FILL

TANK TOO CLOSE TO WELL

MOVE HOUSE

OR REPERC

TRENCH INV. 745.0
Grade 749.0
CP # 6344

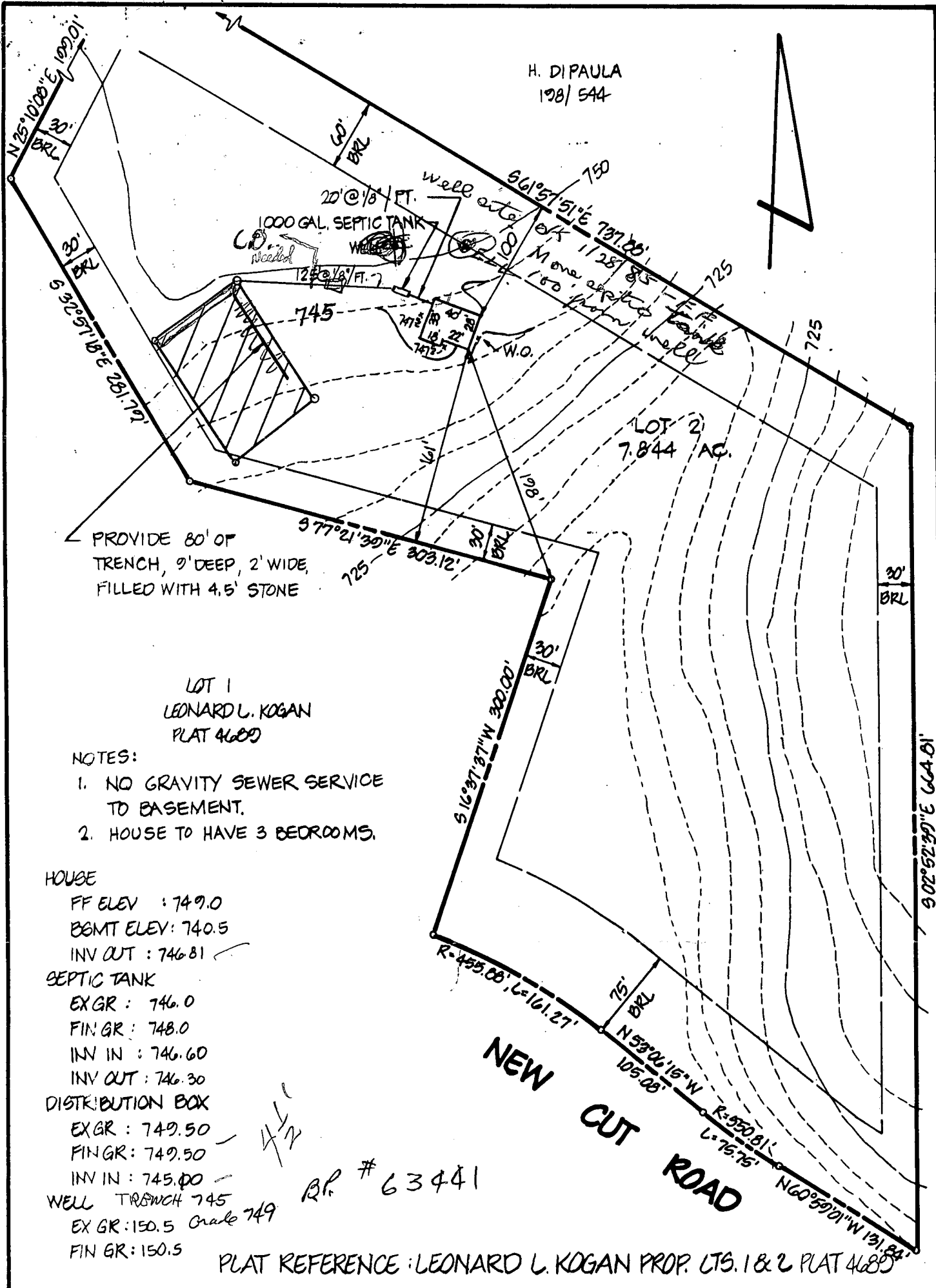
SIGNED
3/20/85

PLAT REFERENCE : LEONARD L. KOGAN PROP. LOTS 1 & 2 PLAT 4680

TITLE

GRADING PLAN

H. DIPAULA
198/544



PROVIDE 80' OF
TRENCH, 9' DEEP, 2' WIDE,
FILLED WITH 4.5' STONE

LOT 1
LEONARD L. KOGAN
PLAT 4689

NOTES:

1. NO GRAVITY SEWER SERVICE TO BASEMENT.
2. HOUSE TO HAVE 3 BEDROOMS.

HOUSE

FF ELEV : 749.0
BBMT ELEV: 740.5
INV OUT : 746.81

SEPTIC TANK

EX GR : 746.0
FIN GR : 748.0
INV IN : 746.60
INV OUT : 746.30

DISTRIBUTION BOX

EX GR : 749.50
FIN GR : 749.50
INV IN : 745.00

WELL TRENCH 745

EX GR : 150.5 Grade 749
FIN GR : 150.5

R.P. # 63441

PLAT REFERENCE : LEONARD L. KOGAN PROP. LTS. 1 & 2 PLAT 4689

TITLE

GRADING STUDY

B 1 6466

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-0858

fill in this form completely

Date Received 2/14/85 1:30 P.M.

OWNER INFORMATION

Minkal Carl

5829 Woodville Rd

Mount Airy MD 21771

B 3

LOCATION OF WELL R-34870 \$ 40.00

Howard 8 COUNTY

Kosar Property 23 SUBDIVISION

SECTION 44 46 LOT 2 48 50

Mount Airy 52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 5 MI

DRILLER INFORMATION

Wm W Reichart 004 77 License No. 80

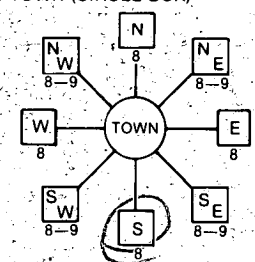
Wm W Reichart Inc

RO # 2 Box 54 Hanover PA 17331

Wm W Reichart 1/14/85

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



New Cut Rd NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



550 DISTANCE FROM ROAD

ENTER FT or MI

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

Signature J. Stamen

DATE ISSUED 7/28/85

NORTH GRID 542000 EAST GRID 0757000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 4 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

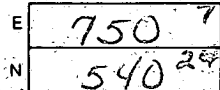
FORCE JS PERMIT NO. 40-81-0858

SPECIAL CONDITIONS

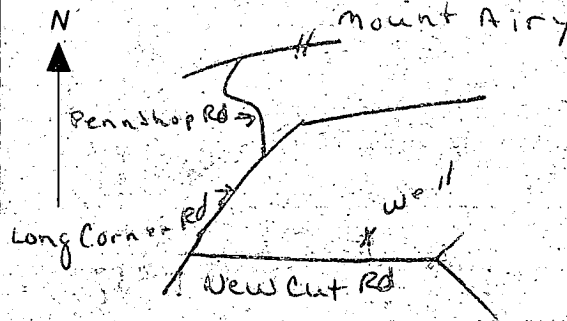
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. Approved 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



9:00 AM - 6 hrs

Review H9310

Date of February 14, 1985

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0858
Location of property (road) New Cut Road
Subdivision Kagan Property Lot 2 Block Plat Sec.
Well Driller William Reichert Owner Carl Minkel

Depth of well 425'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 65'

High rate pumping -- reservoir drawdown

Time pump started 9:00 Pumping rate 10 GPM
Total time 30 min to reach pumping water level 400 ft. below M.P.

1. 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)
1:15	400'	60 sec		1
1:30	400'	60		1
1:45	400'	60		1
2:30	400'	60		1
			425	
			85	
			<u>360</u>	

C1 **9493** SEQUENCE NO. (OER 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 **12**

DATE Received: [] [] [] [] [] [] DATE WELL COMPLETED: **02/4/85** Depth of Well: **425** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL": **H0-81-0858**

OWNER: **MINKEL CARL** last name first name
 STREET OR RFD: **NEW CUT RD** TOWN: **MT. AIRY**
 SUBDIVISION: **ROGAN PROPERTY** SECTION: [] LOT: **2**

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	
rolling ground & gravel	0	44'	
brown & gray shale	44'	172'	✓
water			✓
gray shale & flint	172'	296'	
water			✓
gray shale & flint	296'	390'	
water			✓
gray shale & flint	390'	425'	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT: **CM** BENTONITE CLAY: **BC**
 NO. OF BAGS: **9** NO. OF BOUNDS: **64**
 GALLONS OF WATER: **63**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **35** 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): **6** Total depth of main casing (nearest foot): **45**

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

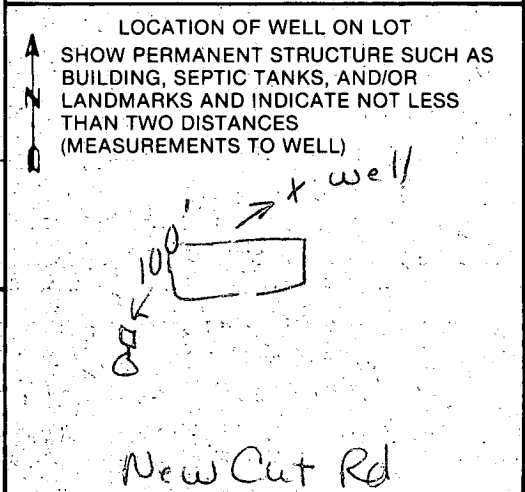
C 2
 DEPTH (nearest ft.)
 EACH SCREEN: **H0** **45** **425**
 SLOT SIZE 1: [] 2: [] 3: []
 DIAMETER OF SCREEN (NEAREST INCH): []

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)
 TELESCOPE CASING: [] LOG INDICATOR: [] OTHER DATA: []

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour): **6**
 PUMPING RATE (gal. per min. to nearest gal.): **1**
 METHOD USED TO MEASURE PUMPING RATE: **watch & bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING: **65**
 WHEN PUMPING: **400**
 TYPE OF PUMP USED (for test): **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: **O**
 CAPACITY: GALLONS PER MINUTE (to nearest gallon): []
 PUMP HORSE POWER: []
 PUMP COLUMN LENGTH (nearest ft.): []
 CASING HEIGHT (circle appropriate box and enter casing height): **4** above } LAND SURFACE (nearest foot): **7**



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. **064**
 DRILLERS SIGNATURE: *W. W. Reichart*
 (MUST MATCH SIGNATURE ON APPLICATION)

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

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0858
 Location of property (road) New Cut Rd
 Subdivision Kogan Pwp. Lot 2 Block Plat Sec.
 Well Driller Wm. Reichart Owner Carl Munkel

Depth of well 425'
 Distance of measuring point (M.P.) above ground surface
 Static water level (S.W.L.) below M.P. 65'

I. High rate pumping -- reservoir drawdown

Time pump started 9:00 AM Pumping rate 10 gpm
 Total time 1 3/4 hr to reach pumping water level 400' 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:00	65'	30 sec		10
9:15	125'	"		"
9:30	200'	"		"
9:45	245'	37.5 sec		8
10:00	280'	"		"
10:15	310'	50 sec		6
10:30	350'	"		"
10:45	400'	300 sec		1
11:00	"	"		"
11:15	"	"		"
11:30	"	"		"
11:45	"	"		"
12:00	"	"		"
12:15	"	"		"
12:30	"	"		"
12:45	"	"		"
1:00	"	"		"
1:15	"	"		"
1:30	"	"		"
1:45	"	"		"
2:00	"	"		"
2:15	"	"		"
↓	↓	↓		↓
3:15	400'	300 sec		1

WELL PUMP INSPECTION

Owner's Name: Carl Minkel

Address: 18210 New Cut Rd.

Location of Property: 18210 New Cut Rd.
Lot 2 Kogan Trust
Mt. Airy

Well Tag Number:
HO-81-0858

Plumber or Certified Pump Installer: Walker W. King
8097A Hillmark Ct
Frederick Md 21701

Phone Number: 662-6990

License Number: M-2217

Receipt Number: 35373

Date: 5/1/85

Comments:

OK TO PROCEED WITH INSTALLATION S.M.B.

Inspection: 6/3/85 Pump, pipes & lines into house
at 4 ft below grade. NO work complete inside
house. JS

7/16/85 Pressure Tank, P.R.V. & Low water cutoff switch OK. JS.

Date Well Pump Inspection was approved:

Inspector: 7/16/85 JS.