

10/17/88 ASAP
6-17-88

04-346041 File

PERMIT

P 41P39

A 36420

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH* DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 5/24/88

DATE SYSTEM APPROVED 10/17/88

INSPECTOR C.B.S.

Dale Fogle Septic Service IS PERMITTED TO INSTALL ALTER

ADDRESS 6430 Woodbine Road, Woodbine, Maryland 21797 PHONE 795-5670

SUBDIVISION Himmel Property ROAD 17820 Old Frederick Rd LOT 1

PROPERTY OWNER Henry Blevins Franklin

ADDRESS _____

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 - 200 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the first trench 310 feet down the right (367.52') lot line and 110 feet off the same lot line as seen when facing the lot from Old Frederick Road. Run trenches on contour toward back of lot.

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

PLANS APPROVED BY Sid Abel DATE 2/22/88

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 TRENCH(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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.

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

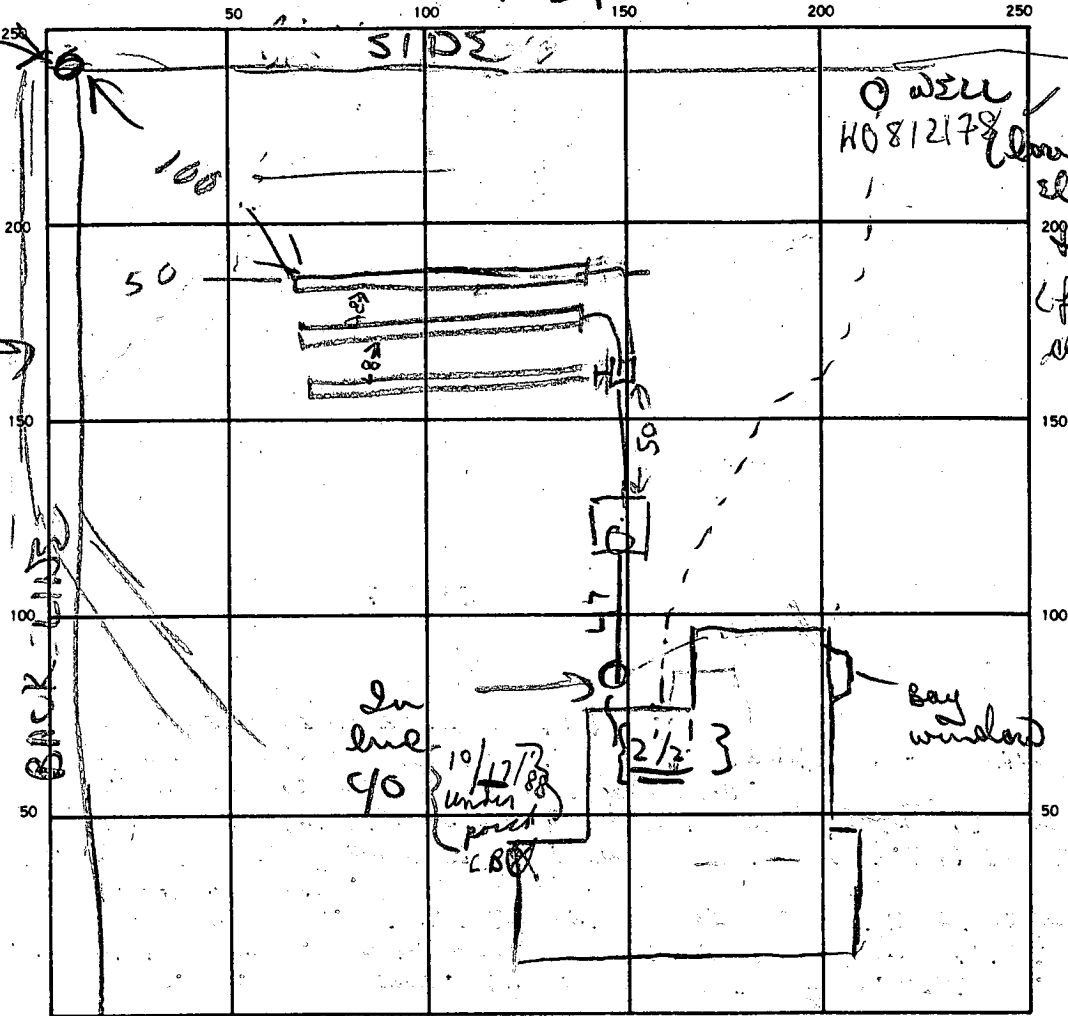
*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 36420

CORNER STAKE

TO LOT 2A



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK. LEVEL OK 1250

CLEANOUTS ST / HS
OK / OK

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 5/55 FT. TRENCH WIDTH 3/3 1/2 FT. INLET DEPTH 3.5/35 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2/2/2 FT. TOTAL LENGTH 28/28/28 FT. 264 FT. INSTALL REQUIRED

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 792/808 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 792 OK SQ. FT.

REMARKS 6/17/88 LOCATION OK TRENCHES & TANK OK
CALL FOR INSPECTOR OF HOUSE HOOK UP WHEN
READY RH

7/6/88 House connection STILL NOT MADE. well cap not secure
due to plumbing hook up

On 10/17/88 Water test today appears ok - Mr. Whitman
inspector for 10/17/88 Mr. Henry P. Whitman
DATE SYSTEM APPROVED 10/17/88 INSPECTOR Charles Bryan Wheeler

APPLICATION

PERCOLATION TESTING

A 36420

P _____

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

DISTRICT _____

DATE 1/16/86

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 Himel Property Henry Bleivins

ADDRESS _____ PHONE (Carl Hudgins)

PROSPECTIVE BUYER _____

ADDRESS Frederick Road PHONE _____

PROPERTY LOCATION:

SUBDIVISION Himel Property LOT NO. 1

ROAD AND DESCRIPTION 17820 OLD FREDERICK ROAD

TAX MAP 1 PARCEL # 17

SIZE OF LOT 3 Acres TYPE BLDG. S.F.D.
(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. /s/ Carl Hudgins

(SIGNATURE OF APPLICANT)

APPROVED BY S. Abel FOR Shallow Trenches DATE 3-22-88

REJECTED BY _____ FOR BLDG. PERMIT SIGNED DATE _____

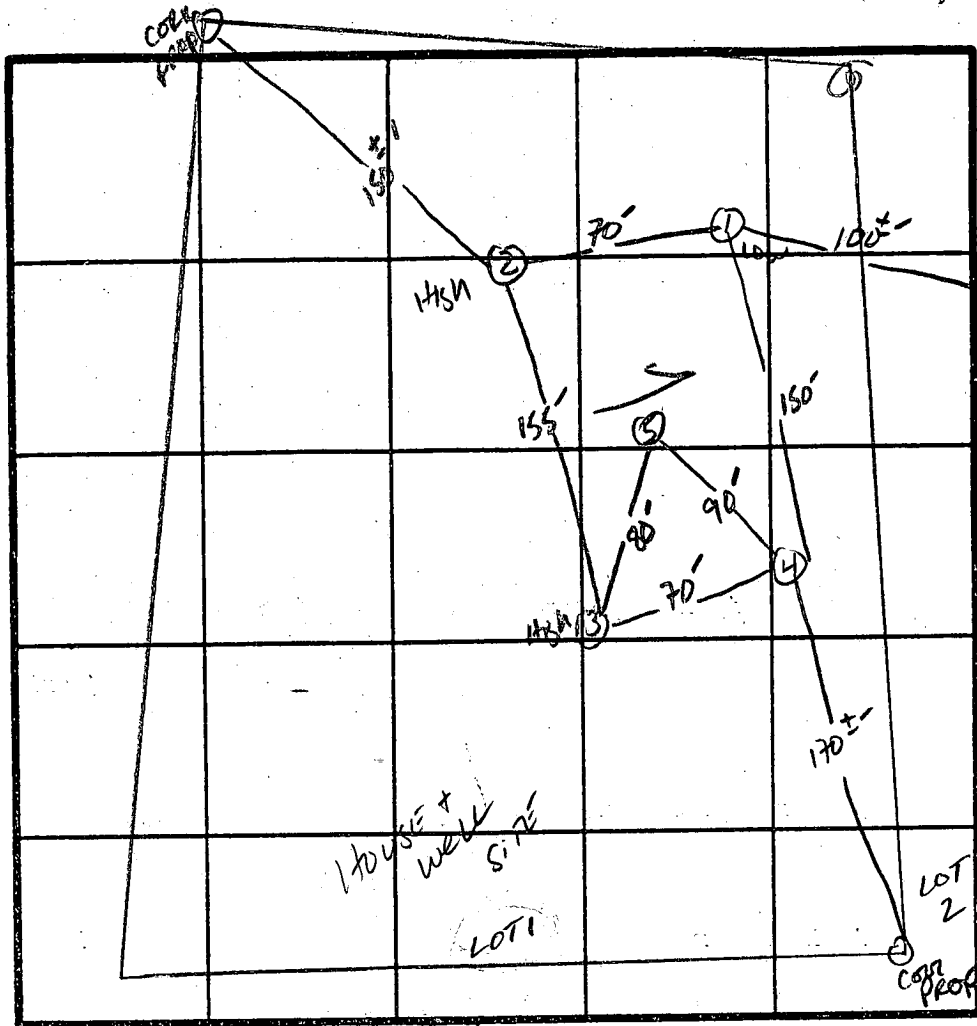
HOLD PENDING FURTHER TESTS _____ AND RETURNED 3-22-88 DATE _____

REASONS FOR REJECTION OR HOLDING 1-23-86 PERC SATISFACTORY for shallow system only, hold for certified hole location, house and well site. S. Abel
1-24-86 Carl Hudgins notified of results Record plant to be forthcoming.

THIS IS NOT A PERMIT

④
SOIL PROFILE

0'	AP
1'	Yellow BR CLAY LOAM 20% FRAGMENTS
3'	Yellow BR SAND LM. 20-40% SHALE FRAGMENTS
10'	SAME W/ 50% SHALE FRAGMENTS
12'	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
FREDERICK Rd.

HOLE LOT 2

⑥

X PERC TIME
15min
INLET
3.5
BOTTOM
5'

200 7/BR

③①

0'	AP
3.5'	Yellow BR CLAY LM. 20% FRAGMENTS
11'	White BR. SAND LM. 20-30% SHALE FRAGMENTS HARD BOTTOM

②

0'	AP
3'	Yellow BR CLAY LOAM 10-20% FRAGMENTS
10'	BROWN/BLUE SAND SILT 30-40% SHALE SAPROLITE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/22/84	1 S	4"	3:17	3:31	3:31	5:55	24min
	1 V	12"	same as hole 3		NO HARD BOTTOM		
	2 S	3"	3:13	3:14	3:14	3:16	2min
	2 V	10"	HARD BOTTOM - all profile				
	3 S	3.5"	3:04	3:07	3:07	3:12	5min
	3 V	11" OK	HARD BOTTOM SEE PROFILE				
	4 S	4.5"	3:00	3:13	3:13	3:35	22min
	4 V	12"	VARYING SOIL STRUCTURES SEE PROFILE				
	5 V	12"	SAME AS HOLE 3		W/O HARD BOTTOM		
12/5/86	6 S	4"	3:19	3:22	3:22	3:30	
	6 V	12"		()			

⑤
CLAY
BROWN SAND
SILT
LOAM

EH-12-1079

REMARKS Shallow System only Hole ⑥ NOT SURE OF LOCATION LOT LINE TO BE CHANGED

TYPE OF SOIL ME Airy

TESTED BY S. Abel SUSPECT HOLE NO. KETTERMAN IS ON OTHER ALSO PRESENT

PARCEL 2
EMMETT FULL
LIBER 230 FOLIO 342
CARROLL Co.

PARCEL 2
EMMETT FULL
L230 F 342
CARROLL Co.

HIMEL
PARCEL TWO
LIBER 719 FOLIO 511
5.657 ACRES

CHARLES W WEBSTER
LIBER 577 FOLIO 599
CARROLL Co.

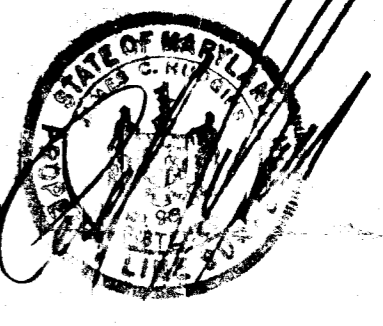
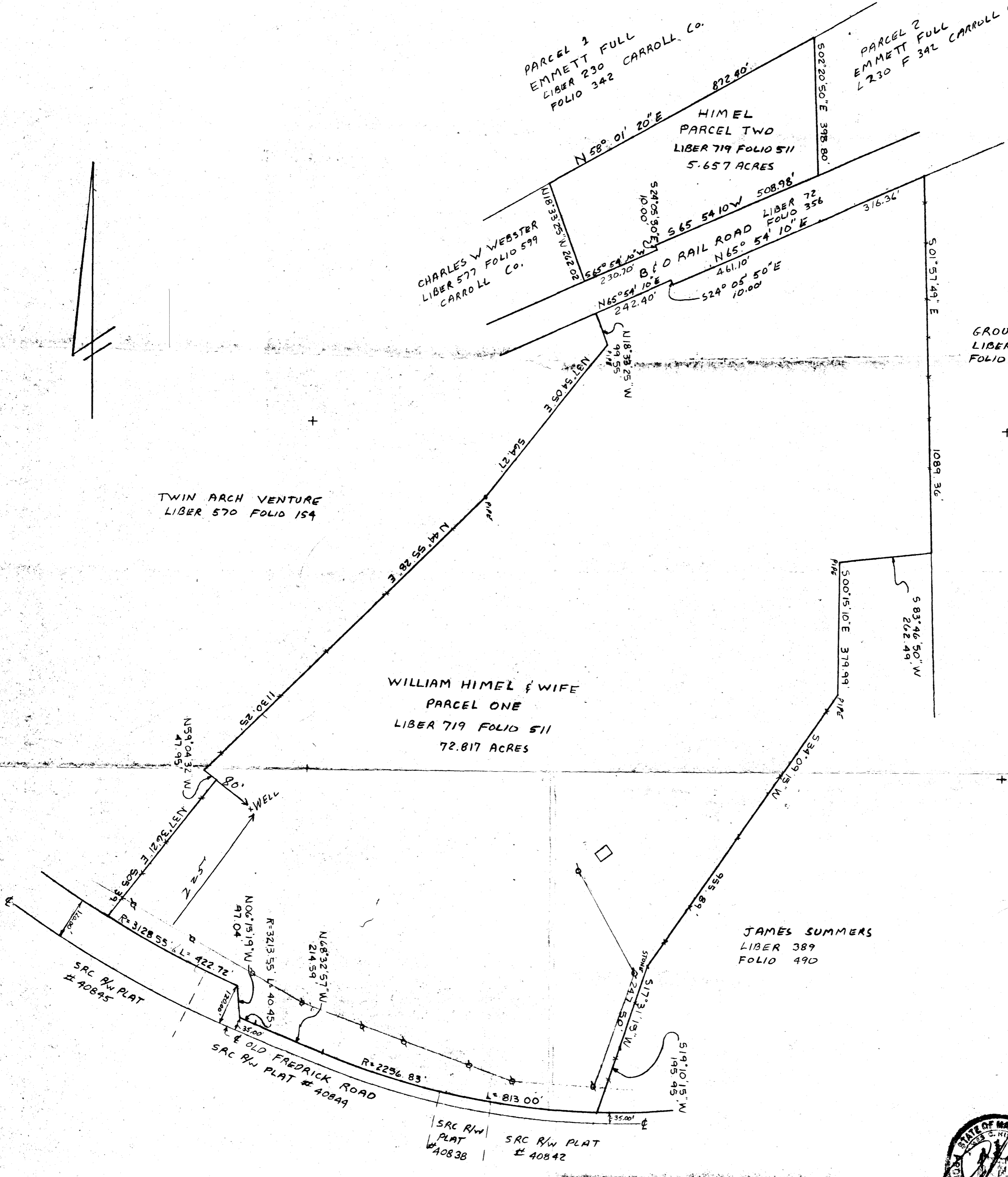
LIBER 72
FOLIO 356

GROUP LAND INC
LIBER 389
FOLIO 490

TWIN ARCH VENTURE
LIBER 570 FOLIO 154

WILLIAM HIMEL & WIFE
PARCEL ONE
LIBER 719 FOLIO 511
72.817 ACRES

JAMES SUMMERS
LIBER 389
FOLIO 490



HIMEL
PROPERTY

PLAT OF SURVEY
PROPERTY OF
WILLIAM & SAKIKO
HIMEL

TAX MAP #1 PARCEL #17
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE 1" = 200' DATE 6/25/85

Carroll Jordan
Timber Lane
Lat 1

NTT ASSOCIATES
16205 OLD FREDERICK RD
MT AIRY MD 21771 PHONE 442-2031

B 1 **2101** 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

MD-81-2178
 fill in this form completely

OWNER INFORMATION
 Date Received _____
 15 Last Name **HEWLEY** Owner First Name **IVANCE**
 36 Street or RFD **21 LIBERTY ROAD**
 57 Town **SVKESVILLE** 70 State **MD** 72 Zip **21784**

LOCATION OF WELL
 8 COUNTY **HOWARD**
 23 SUBDIVISION **TIMBER LANE (HIMMSL)**
 SECTION _____ LOT **7** PRSP.
 52 NEAREST TOWN **MOUNT AIRY**
 MILES FROM TOWN (enter 0 if in town) **3** MI

DRILLER INFORMATION
 Driller's Name **Ronald L. Kyker** 77 License No. **296**
 Firm Name **Westminster Rotary Well Drilling, Inc.**
 P.O. Box #861., Westminster, Md. 21157
 Signature *Ronald L. Kyker* Date _____

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 NEAR WHAT ROAD **OLD FREDERICK**
 DISTANCE FROM ROAD **230** ENTER FT or MI **FT**

WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **550**

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **Howard** COUNTY NO. **A-36920**
 OEP SIGNATURE _____ STATE HEALTH INSERT S _____
 DATE ISSUED **07/10/87** CO SIGNATURE *Sales Dept* EXP. DATE **01-10-88**
 NORTH GRID **554000** EAST GRID **0762000**

APPROXIMATE DEPTH OF WELL **250** FEET

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 _____

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

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) _____

Sketch showing location of well in relation to nearby towns and roads and give distance from well to nearest road junction.

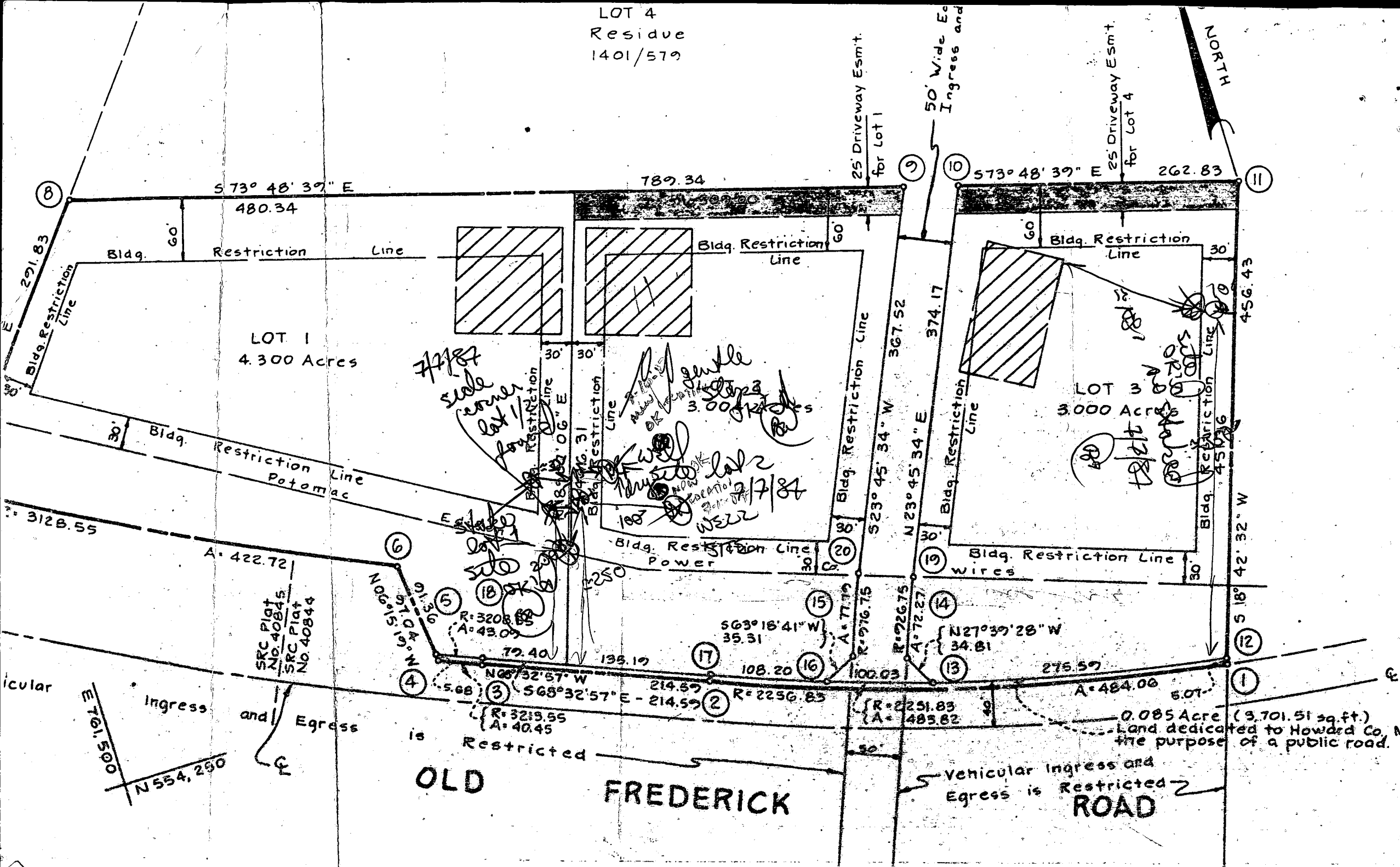
OLD FREDERICK RD


Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 FORCE **SA** WRITE INITIALS IN BOX PERMIT NO. **MD-81-2178**

SPECIAL CONDITIONS

- ① 40 ft 6 inches casing 2 ft out of ground
- ② 39 ft 6 inches of open hole
- ③ 13 bags of cement
- ④ Well already grouted answer at 11038 for as 9307 grout information from Covita Randy
- ⑤ Not sure of location in mudella of core field
- ⑥ Well OK

LOT 4
Residue
1401/579



- NOTE
1. The p...
three
 2. Subje...
Compr
 3.  Dep...
individ...
of any...
until p...
easem...
Connec...
County...
author...
ments...
Recor...
easem...
 4. The lo...
min. ov...
req'd...
and M...

Handwritten signature

OLD FREDERICK ROAD

Vehicular Ingress and Egress is Restricted

0.085 Acre (9,701.51 sq. ft.)
Land dedicated to Howard Co., Md. for
the purpose of a public road.

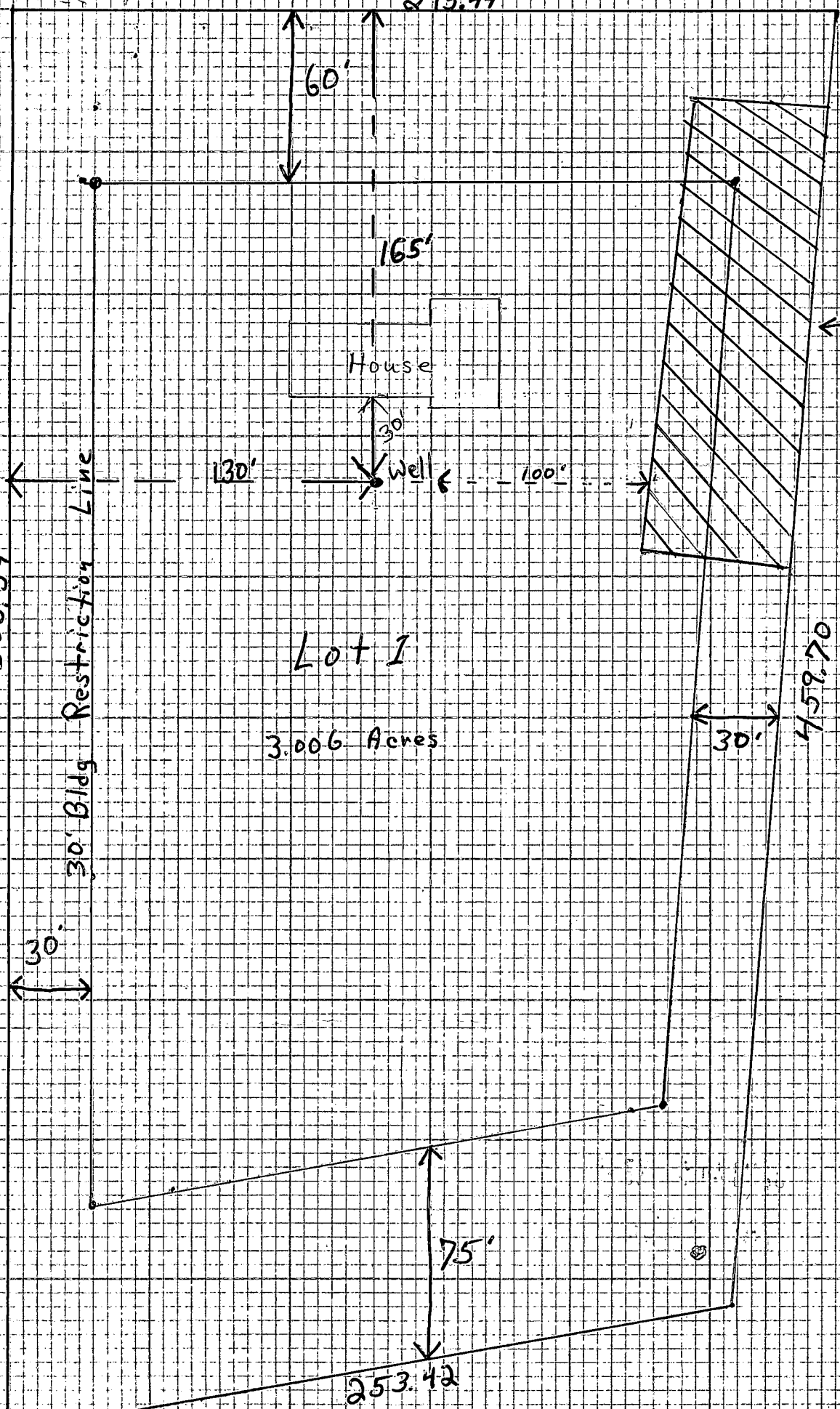
SRC Plat
No. 40845
SRC Plat
No. 40844

Handwritten notes:
7/1/87
Scale corner lot 1/1/87
gentle slope 3.000 Acres
WELL
2/7/87
LOT 2
LOT 3
Wires

North ↑

date 8-25-86

293.44



Lot I
3.006 Acres

Private Sewer Easement of approx. 10,000 Sq. Ft.

From North Line approx. 165' to well

From West Line approx. 130' to well

From Well to Sewer Easement is approx. 100'

Carroll W. Jordan
Sharon A. Jordan

301-831-5763
301-831-7791

James and Marie Himel property

OLD FREDERICK ROAD

C1 **5981** SEQUENCE NO. (OEP 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-36420**

DATE Received DATE WELL COMPLETED **0713877** Depth of Well **178** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **HC-81-2178**

OWNER **REUVINS HENRY L. INC.** STREET OR RFD **OLD FREDERICK RD.** TOWN **MOUNT AIRY** SUBDIVISION **Himmel 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	
Dirt	0	8	
Soft Brown Shale	8	18	
Blue & Brown shale	18	49	OK
Brown Shale	49	50	X
Blue Sandstone	50	91	
Brown Sandstone	91	92	X
Blue Sandstone	92	178	

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED (Circle-Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **13** NO. OF POUNDS **1222**
 GALLONS OF WATER **78**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **39.6** 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 **S T** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **40.6**

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

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

C2

EACH SCREEN	DEPTH (nearest ft.)	
	1	2
1	H O	40.6
2		
3		

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. **296**
Ronald L. Kyker
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 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.) WQ
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE **Submersible**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **43**
 WHEN PUMPING **111**
 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:
 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 below
 LAND SURFACE **17** (nearest foot)

LOCATION OF WELL ON LOT
 SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
X WELL
Old Frederick Rd.

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # 42134
Date 7/14/88
Name of Installer Gartland Plumbing Telephone 8299238
License Number 6352
Certified Well Pump Installer Well Driller Registered Plumber
Name of Property Owner Henry L. Blevins Telephone 795 2337
Subdivision Timberlane Lot # 1 Well Tag # 40-81-278
Site Address Old Frederick Rd

Pump
1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible
2. Make Goulds
3. Model # 1/2 HP
4. Capacity 5 GPM
5. Pump exceeds well capacity Yes No
6. If Yes, is low pressure cutoff switch installed? Yes No
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Motor
1. Horsepower 1/2 HP
2. RPM 3450
3. Voltage
a. 110
b. 220

Pitless Adapter
1. Make Halvard
2. Model # 1
3. Depth 42"

Tank
1. Capacity 42
2. Pressure relief valve? Yes

Piping
1. Type 1601b
2. Size 1"
3. NSF and/or BOCA Code approved Yes
4. Depth of supply line 42"

Well data
1. Depth 178 ft.
2. Yield 10 GPM
3. Static water level 111 ft.
4. Will water supply be disinfected by installer? No

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 Gartland
Date: 7/16/88

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