

03-305767

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 39726

A 26041

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 7/24/87

DATE SYSTEM APPROVED 9/23/87

INSPECTOR (Signature)

Eastern Mechanical

IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 561-3060

SUBDIVISION Friendship Manor ROAD 2590 Louanne Court LOT 26

PROPERTY OWNER Lars Hill

ADDRESS _____

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 4

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 175 feet from the back lot line and 140 feet from the left lot line as seen when facing the property from Louanne Court. Run trench(s) along contour toward right lot line.

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

PLANS APPROVED BY C. Williams (Revised) DATE 9/22/86

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.

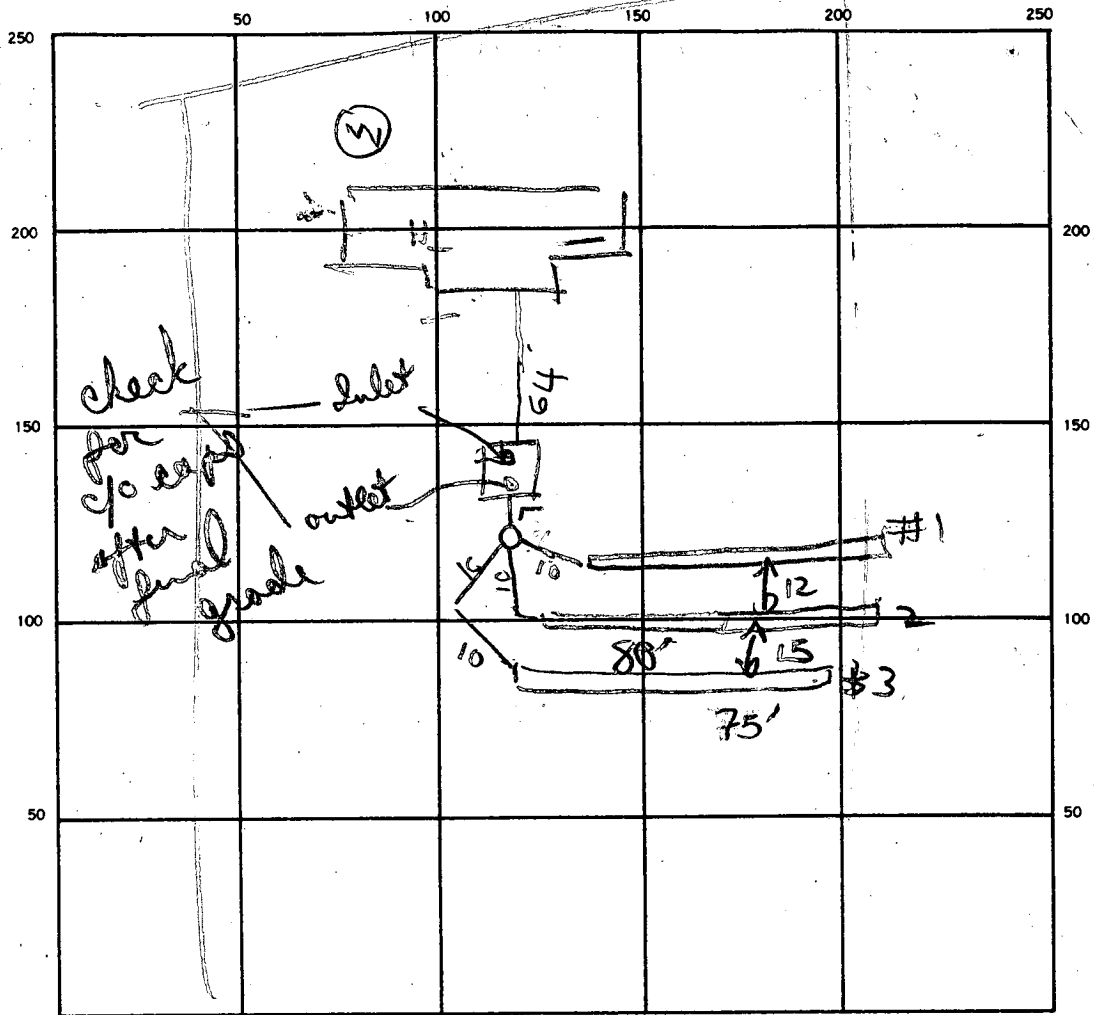
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 26041



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK. LEVEL 1500

CLEANOUTS 2 ST will be less than 3' is assuming no manhole

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 9.5' 8.9' 8.9' FT. TRENCH WIDTH 2 1/2 FT. INLET DEPTH 3 1/3 FT.

EFFECTIVE GRAVEL DEPTH 6.5' 5.6' 5.6' FT. TOTAL LENGTH 75' 80' 75' FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 487.440 + 380 SQ. FT.

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

ABSORBENT AREA 1307 SQ. FT. way in excess of what's needed

REMARKS 9/22/87 LOCATION OF TANK SET OK TO MAKE

TRENCH 10 FT DEEP RE. 9/22/87 FINISH ADDING STONE TO

TRENCH #1 & FINISH DIGGING TRENCH #2 & ADD STONE

DIG TRENCH #3 9/22/87. TRENCH #2: 57 FT LONG NOW R³⁷⁰

9/23/87 OK to finish adding stone pipe paper to ends of

trenches 2 & 3. OK to cover both trenches & rest of work

(OR) deeper trench depth

DATE SYSTEM APPROVED 9/23/87 INSPECTOR B Nifan

200
4
800
133
6 800
6 20
10
20
75
65
375
450
80
55
400
400

APPLICATION

A 26041

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3rd

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

DATE 6/7/87

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 William B. Ridgely LARS Hill

ADDRESS Spring Meadow Farm Cooksville, Md. 21728 PHONE Carol Clark
531-5115

PROPERTY LOCATION:

SUBDIVISION Ridgely Property (Friendship Manor) LOT NO. 18 20-26

ROAD AND DESCRIPTION Rte. 144 - Rte. 32 2590 LOUANNE Ct.

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedroom
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 /s/ Albert Scheel

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

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

HOLD PENDING FURTHER TESTS As of Now DATE 2/24/87

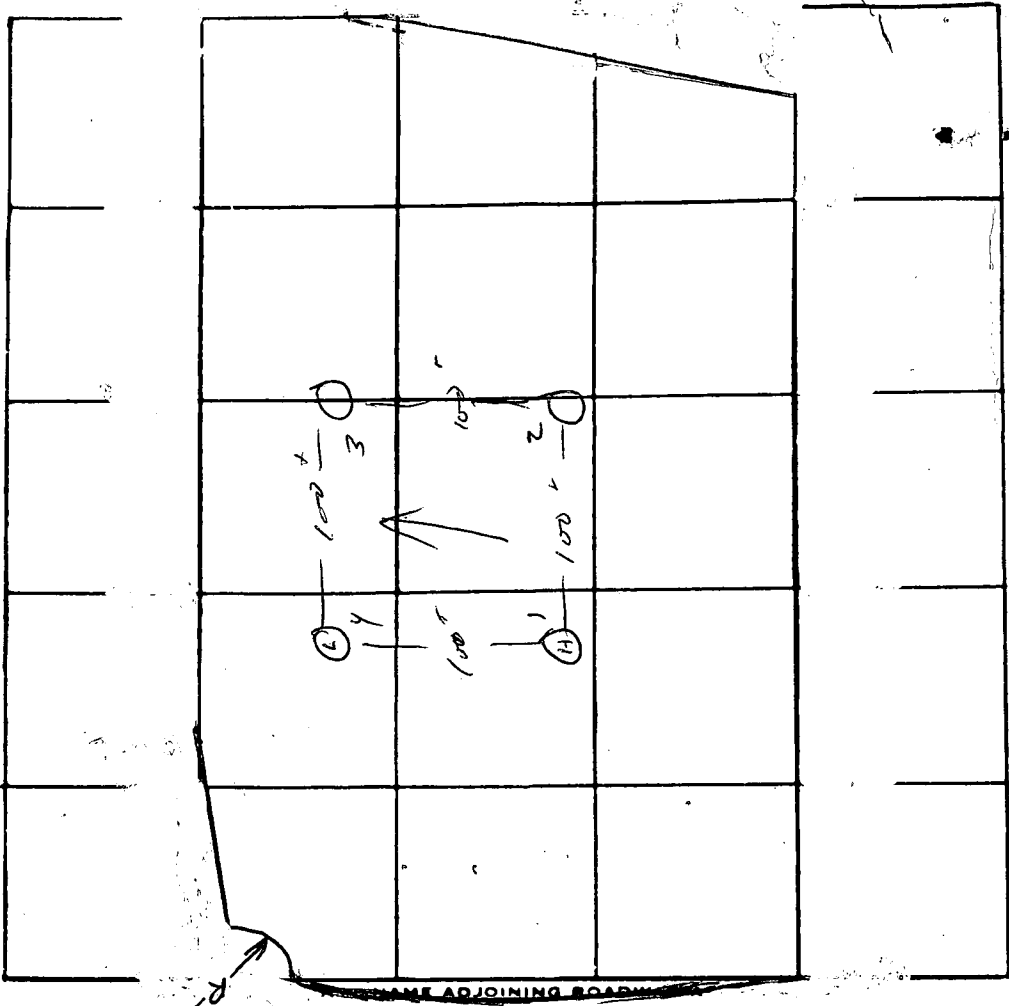
REASONS FOR REJECTION OR HOLDING Does not conform to plat

BLDG. PERMIT SIGNED
AND RETURNED 4/27/87
S. Abel

THIS IS NOT A PERMIT

 BP11481

Lot 18



(1,3)
 0 —
 | clay mixed
 3-4 —
 | sandy loam
 13 —

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6 July 77	1	4	10 ⁴³	10 ⁵²	10 ⁵²	11 ¹⁶	19
		13	10 ⁴³	10 ⁴⁸	10 ⁴⁸	10 ⁵⁵	7
	2	12					
	3	4	10 ⁴⁵	10 ⁵⁵	10 ⁵⁵	11 ¹⁵	20
		13		10 ⁴⁸	10 ⁴⁸	10 ⁵⁴	6
	4	2		10 ⁴⁸	10 ⁴⁸	10 ⁵⁷	9
		13	∇	10 ⁵¹	10 ⁵¹	10 ⁵⁹	8

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY M ALSO PRESENT: Scheel

26

4/25/48 APOA

Stigma's

1" Stone

1" Soft Carpet

153' hard bottom

253' 10' "

- 35 5' 12 95 1246 1295
- 4 14' 1250 1255 100
- 4 14 1/2 water
- 45 2 1/2' 1 49 150 152
- 4 12 1/2' 1 44 158 220

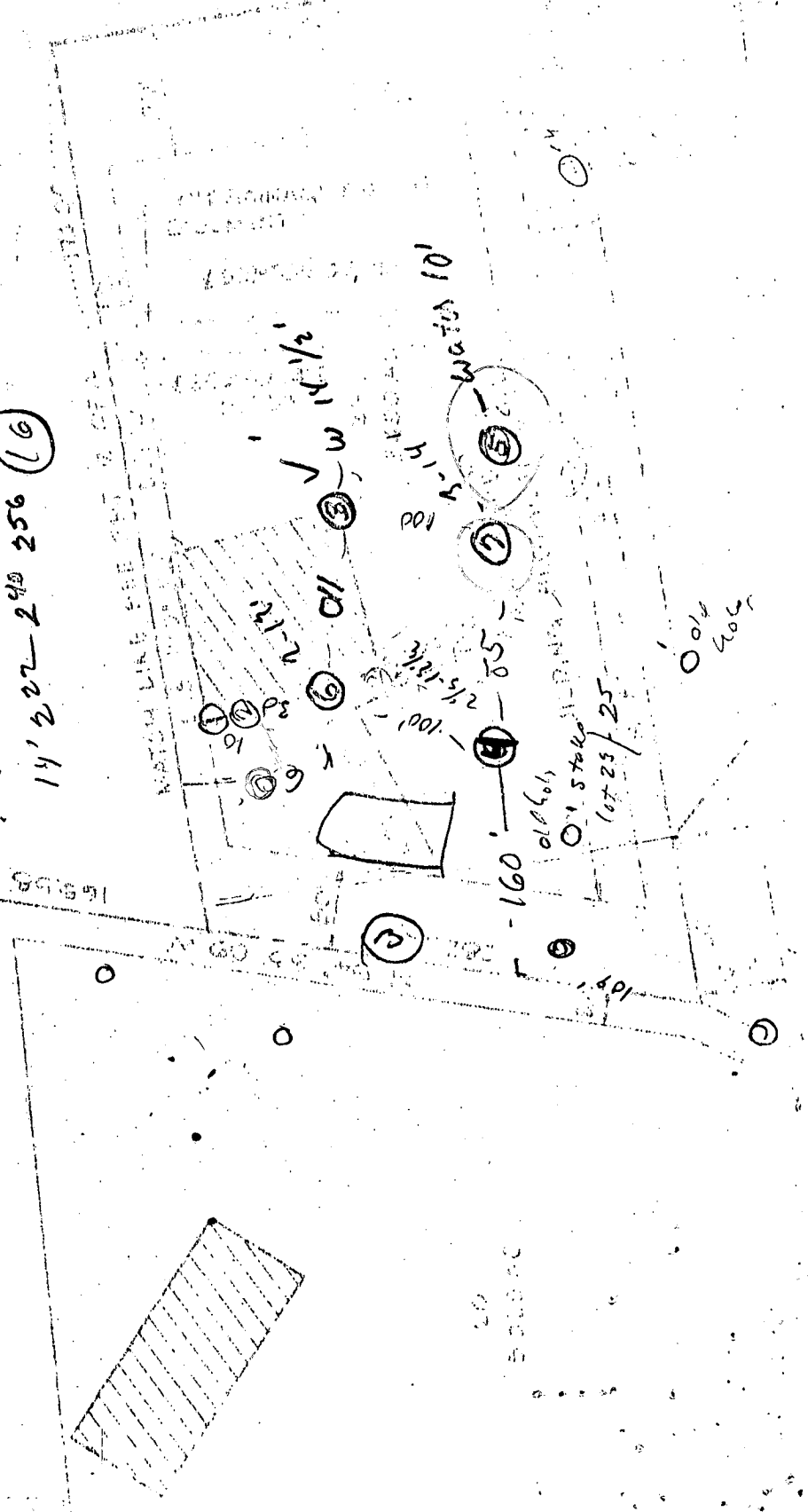
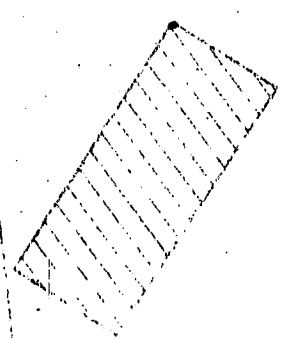
Swath 10'

6 2'-11" Mica Scribble Soil - silt & sand

- ? 3' 222 223 225
- 14' 227-240 256

11922500

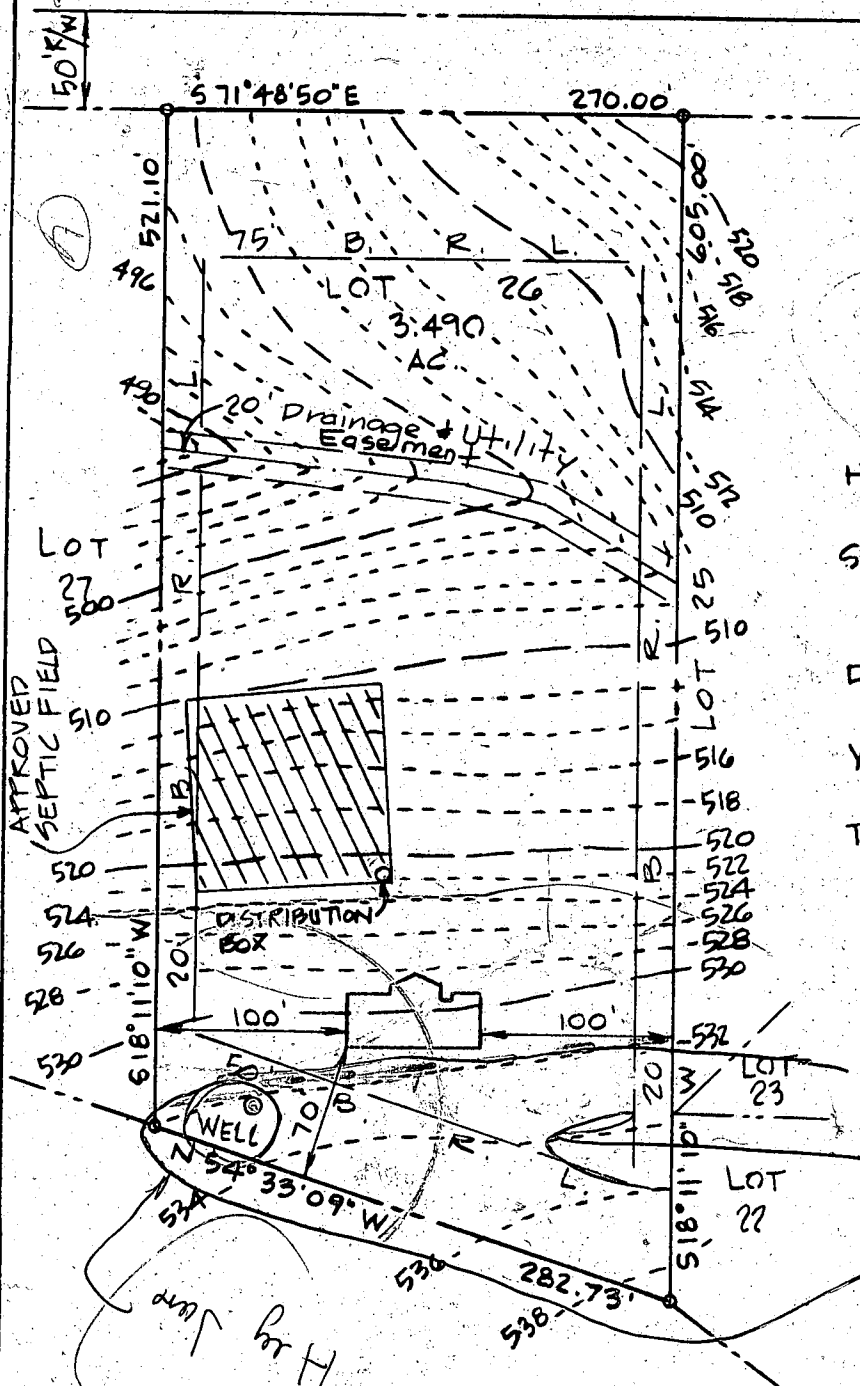
ENCLOSURE AREA



1

80

LOUANNE COURT



SEPTIC DATA

HOUSE	SEWER INV.	
"	SEPTIC TANK INV. IN.	
"	"	OUT
"	"	FIN. GR.
DISTR. BOX	INV.	519.0
"	FIN. GR.	522.0
WELL	EX. GR.	532.3
"	FIN. GR.	"
TRENCH	TOP STONE	519.0
"	BOT. "	514.0

WELL AREA OR
10/30/86 *Chandler*
SITE INSP.

75
80
75
230
5
1050
2
200
4
800

INLET MAX. 3'
BOTTOM MAX. 8'
50' house to field

ENGINEER
John L. Schneider P.E.
100 N. Rolling Road
Catonsville, Md. 21228
301-744-1945

RECORD PLAT # 3888

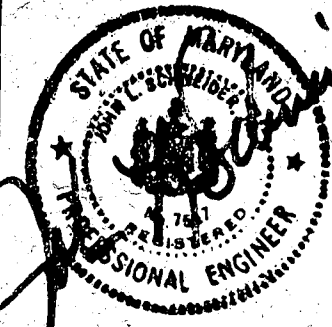
GRADING STUDY

LOT 26 SECTION 2
"FRIENDSHIP MANOR"

TAX MAP 15 PARCEL 16
3RD ELECTION DISTRICT - HOWARD COUNTY, MD.

SCALE 1"=100'

OCT. 2, 1986



B 1 4360

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-1739

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

please print or type

fill in this form completely

Date Received

12/1/86

OWNER INFORMATION

Owner: Kenn Pascoal, First Name: Kenn, Street or RFD: 5459 S Kenn Rd, Town: Frederick, State: Md, Zip: 21701

DRILLER INFORMATION

Driller's Name: D.H. Woodward, License No. 238, Firm Name: D.H. Woodward Inc., Address: Rt. 3, Smithsburg, Md, Date: 10/7/86

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5, AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 1000

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) [D]
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) [F]
INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) [I]
PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) [P]
TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) [T]

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 [X] ROTARY (Hydraulic Rotary) []
CABLE [] REVERSE-ROTARY [] DRIVE-POINT []
other []

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL [N]
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED [Y]
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY [S]
THIS WELL WILL DEEPEMED AN EXISTING WELL [D]
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) []

Not to be filled in by driller (OEP USE ONLY)

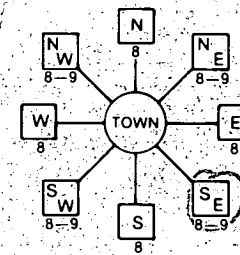
APPROP. PERMIT NUMBER [] G A P []
FORCE [C] INITIALS IN BOX [] PERMIT No. HO-81-1739

SPECIAL CONDITIONS

LOCATION OF WELL

Howard COUNTY, Friendship Manor SUBDIVISION, SECTION 2, LOT 26, West Friendship NEAREST TOWN, MILES FROM TOWN 1 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Louzanne Court NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



500 DISTANCE FROM ROAD ENTER FT or MI

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

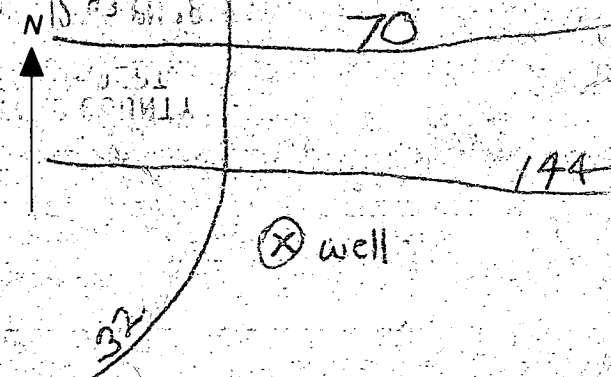
Howard COUNTY, OEP SIGNATURE [] DATE ISSUED 10/28/86, CO SIGNATURE [] EXP. DATE []
NORTH GRID 50 2000 EAST GRID 57 0819000

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

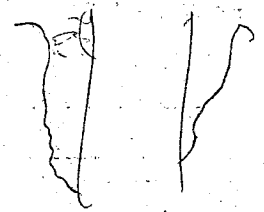
WRITE THE BOX NUMBER FROM THE MAP HERE

8193
5303

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



64
13
56



12/1/86 3:00 PM

- ① arrive 3:07 PM Late because of conflicting Perm test appointment Well already cased
- ② 63 ft casing
- ③ 56 ft annual open hole depth
- ④ 20 bags
- ⑤ well OK

RECEIVED
 HARRIS COUNTY
 HEALTH DEPT.
 OCT 10 12 43 PM '86
 DIVISION OF
 ENVIRONMENTAL
 HEALTH

[Handwritten signature]

C1 5369

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.

COUNTY NUMBER

A 26041

DATE RECEIVED

Grid for date received

DATE WELL COMPLETED

1 2 0 1 8 6

Depth of Well

22 4 0 5 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-RI-1734

OWNER

RENN

PASCAL

STREET OR RFD

LEWANNES CT.

TOWN

WEST FRIENDSHIP

SUBDIVISION

FRIENDSHIP MANOR

SECTION 2

LOT 26

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows include Dirt, Soft Light Shale, Gray Mica, Water Mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box)

Y N

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 20 NO. OF POUNDS 2000

GALLONS OF WATER 120

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 63 ft.

CASING RECORD

casing types insert appropriate code below

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

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

S T 6 63

OTHER CASING (if used)

Table for other casing diameter and depth

screen type or open hole insert appropriate code below

ST BR HO PL OT STEEL BRASS BRONZE OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.)

Grid for depth measurements

PUMPING TEST

HOURS PUMPED (nearest hour)

2 8 9

PUMPING RATE (gal. per min. to nearest gal.)

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

4 0 20

WHEN PUMPING

4 0 5 25

TYPE OF PUMP USED (for test)

A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

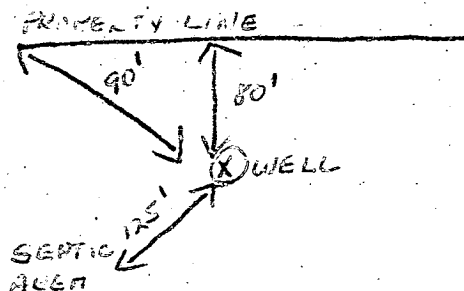
CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (nearest foot)

+ above - below

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)



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...

DRILLERS IDENT. NO. 258

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

FIELD DATA SHEET
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. Ho-81-1734 Election District _____
 Location of Property (road) LOU ANNE CT
 Subdivision FRIENDSHIP MAJOR Lot 24 Block _____ Plat _____ Sec. 2
 Well Driller WOODWARD Owner _____

Depth of Well 405'
 Distance of Measuring Point (M.P.) above ground 18"
 Static Water Level (S.W.L.) below M.P. 32'

I. High Rate Pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 12 GPM
 Total time 24.15 to reach pumping water level 394' ft. below M.P.

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

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill <u>5</u> gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
7:30	32'	25 sec.		12 GPM
7:45	94'	28 SEC		10.7
8:00	148'	31 sec		9
8:15	196'	35 ^		8
8:30	242'	38 ^		7.5
8:45	302'	38 ^		7.5
9:00	354'	48 ^		6.
9:15	394'	50 1 GAL		1.3
9:30				
9:45				
10:00				
10:15				
10:30				
10:45				
11:00				
11:15				
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12:30				
12:45				
1:00				

