

2/9/98  
C.O.  
late in day

TAX # 04350197

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59807

A 40319

DISTRICT 4th

DATE 2-6-98

DATE SYSTEM APPROVED 2/9/98

INSPECTOR [Signature]

**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**  
~~XXXXX~~ 410-313-2640

# INDEXED

SYSTEM INSTALLED BY  
W. WATERSVILLE RD.

Ralph F. Snyder 215KA EXCAVATING IS PERMITTED TO INSTALL  ALTER

ADDRESS 1220 Long Corner, Mt Airy, Md 21771 PHONE 301-831-7001

SUBDIVISION Snyder Property LOT 2 ROAD 1220 Florence Road

PROPERTY OWNER Ralph F. Snyder

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

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

LOCATION - Place the distribution box 155 feet off the front lot line and 140 feet off the left lot line as seen when facing the lot from Florence Road. Run trenches on contour towards the left lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.  
OK KM 11/18/97

PLANS APPROVED BY Donna k. Soe/Craig Williams DATE 11/05/97

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

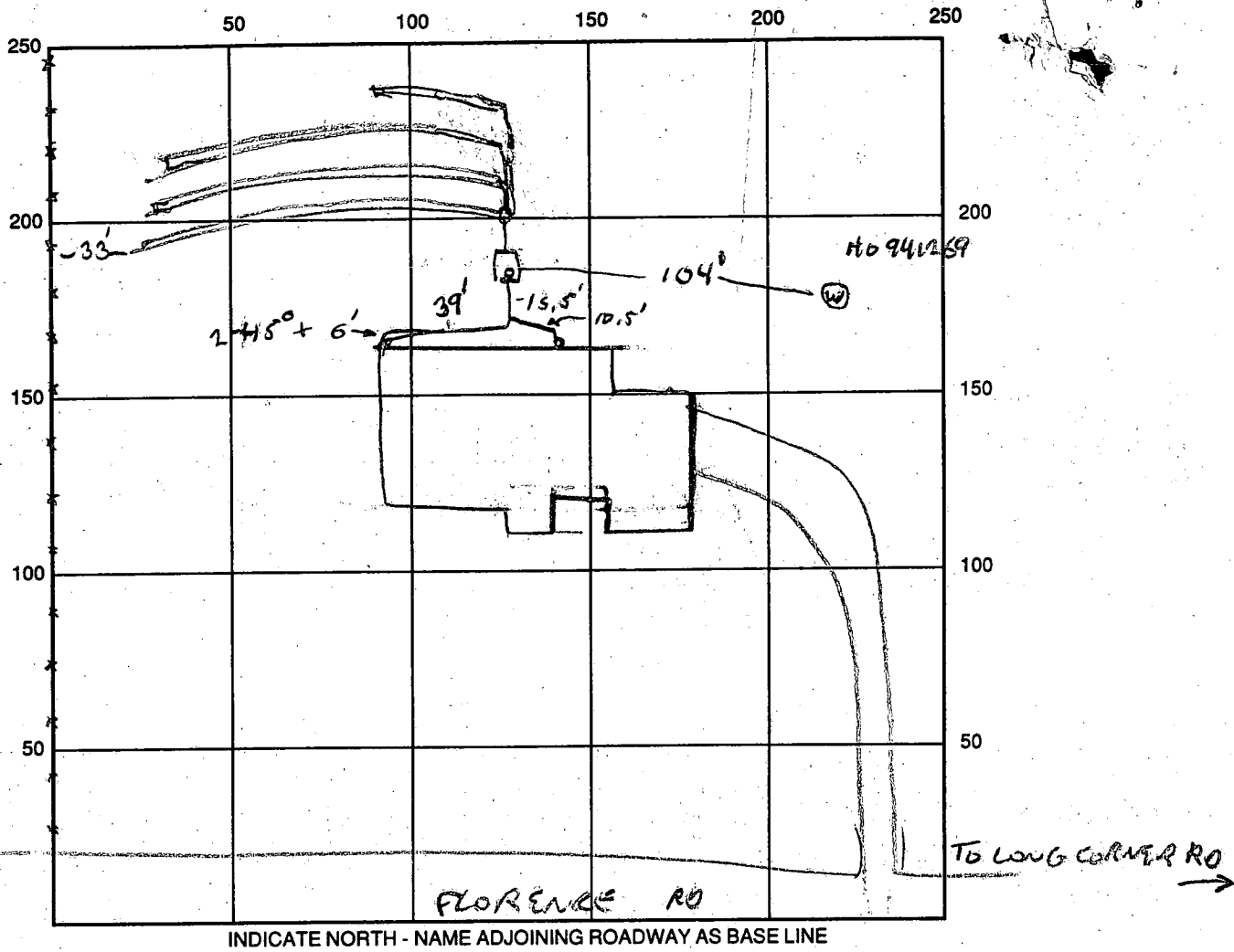
PERMIT VOID AFTER TWO YEARS.

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.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A  
40319



SEPTIC TANK LEVEL ok 1500 GAL CLEANOUTS 1 on tank, 2 at house

DISTRIBUTION BOX LEVEL ok

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH  $\frac{112}{102} \times \frac{3}{104} \times \frac{9}{105} = 335$

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 1005 SQ. FT.

DRYWALL INSIDE DIAMETER - FT. EFFECTIVE DEPTH BELOW INLET 7 FT.

ABSORBENT AREA - SQ. FT.

REMARKS: 2/9/98 CLEANOUT ON ST WILL BE CEMENTED. COVER ALL WORK 2/11/98 WPT - ok to cover P.A. 4.0' below grade, casing 2.0' above grade, has 2 piece cap, line sleeved out of house, cleanout on tank cemented (RM)

DATE SYSTEM APPROVED 2/9/98 INSPECTOR [Signature]

# APPLICATION

*Perkins  
11/24/87  
1:30 PM*

PERCOLATION TESTING

A 40319

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

NO RECORD OF  
EXISTING LOT FOUND

P \_\_\_\_\_

DISTRICT \_\_\_\_\_

*SHW*

DATE 10-21-87

LOT B

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 RALPH F. SNYDER Sr & JOAN SNYDER

ADDRESS 402 CARL ST. ROCKVILLE, MD. PHONE H 251-0928  
W 392-5235

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION CHESTNUT HILLS LOT NO. N TO BE SUBDIVIDED

ROAD AND DESCRIPTION LONG CORNER RD & FLORENCE RD.

BLDG. PERMIT SIGNED

AND RETURNED 11-5-97

*Serial # 157108020 - 4Bm*

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT Proposed 3.386 ACRES TYPE BLDG Single - Proposed  
(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.

*Ralph F. Snyder Sr - Joan Snyder*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 11/24/87 Perc Satisfactory - hold for plat. SHW

HD-216

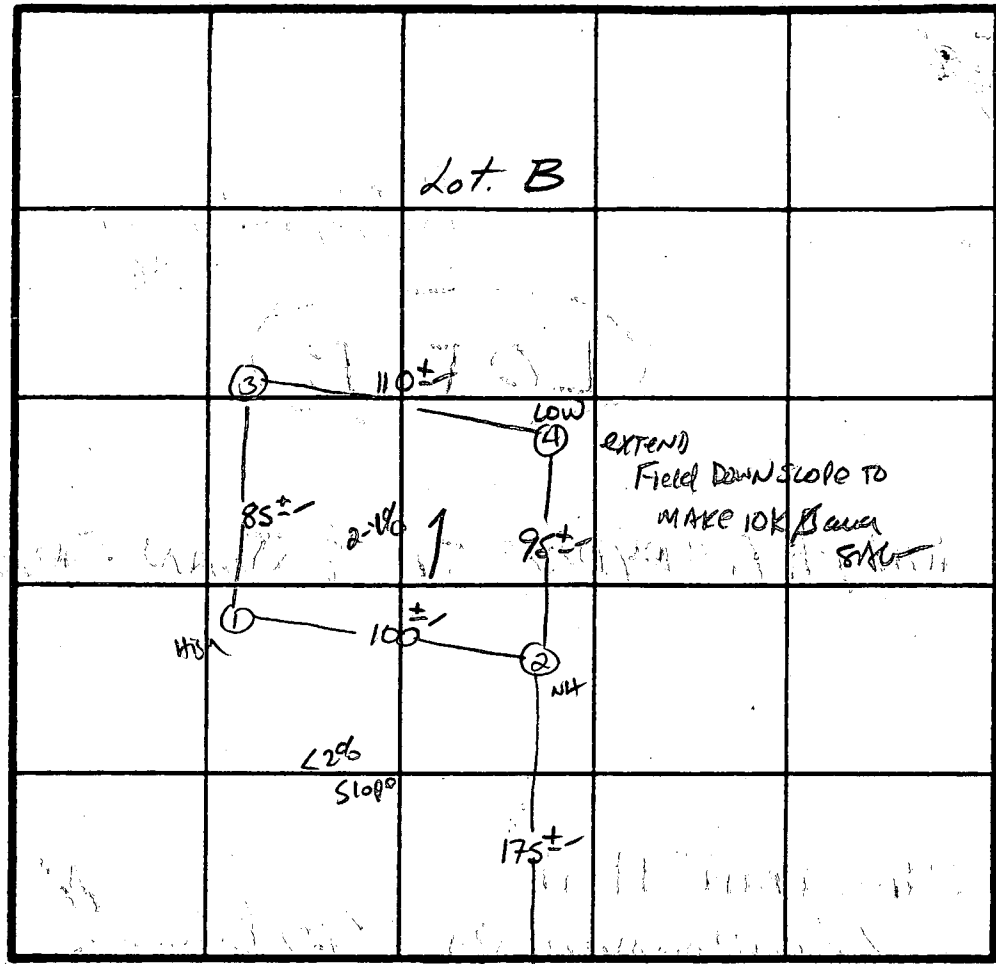
# THIS IS NOT A PERMIT

① → ④  
SOIL PROFILE

5" APHX  
Yell. Br.  
Silt Clay  
Loam  
15-20%  
SHALE FRAGS

3.5' Yellow Br.  
Silt Loam  
25-30%  
SHALE  
FRAGS

9.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
Florence Rd. CL

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/24/87	1S	3.5	1:45	2:00	2:00	2:27	27 MIN	23
	1M	6.0	1:41	1:58	1:53	2:12	19 MIN	
	1V	9.5	UNIFORM SOIL below 3.5'					
	2S	3.5	1:28	1:38	1:38	1:55	17 MIN	15
	2M	6.5	1:36	1:41	1:41	1:52	11 MIN	
	2V	9.5	UNIFORM SOIL below ~3.5-4.0'					
	3S	3.5	1:54	2:05	2:05	2:30	25 MIN	19
	3M	7.0	2:03	2:10	2:10	2:23	13 MIN	
	3V	10.0	UNIFORM SOIL below 3.5'±					
	4S	3.5	2:10	2:21	2:21	2:48	27 MIN	24
	4M	6.5	2:20	2:30	2:30	2:50	20 MIN	
	4V	9.5	UNIFORM SOIL below 3.5'					

REMARKS Shallow Syst. Only - measured Holes END TO END

TYPE OF SOIL ME Heavy

TESTED BY S. Abel ALSO PRESENT R. Snyder

**B 1** **8798** SEQUENCE NO. (MDE USE ONLY.) **STATE OF MARYLAND PERMIT TO DRILL WELL** STATE PERMIT NUMBER **HO-99-1269**

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) please print or type **70 fill in this form completely 78**

**Date Received (APA)** **082797** **OWNER INFORMATION**

**SNYDER RACON** (Last Name, Owner, First Name)  
**402 CARL STREET** (Street or RFD)  
**ROCKVILLE** (Town) **MD20851** (70 State 72 Zip 76)

**DRILLER INFORMATION** CIRCLE: **MSD**/MGD/MWD

**Ralph Mayne** (Driller's Name) **116** (77 License No. 80)  
**Ralph Mayne Well Drilling** (Firm Name)  
**9120 Brown Church Rd. Mt. Airy** (Address)  
**Ralph Mayne** (Signature) **Aug 8 1997** (Date)

**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)

APPROXIMATE DEPTH OF WELL **150** 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 \_\_\_\_\_

**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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 **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 (MDE OR COUNTY USE ONLY)**

APPROX. PERMIT-NUMBER **G A P**

FORCE **G S** WRITE INITIALS IN BOX PERMIT No. **HO-99-1269**

**SPECIAL CONDITIONS**  
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

**B 3 LOCATION OF WELL**

**HOWARD** (8 COUNTY)  
**SNYDER** (23 SUBDIVISION)  
 SECTION **4** LOT **2**  
**40th CORNER** (52 NEAREST TOWN)  
 MILES FROM TOWN (enter 0 if in town) **0** M I

**B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

**Flowerge Rd** (NEAR WHAT ROAD)  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) **W**  
 DISTANCE FROM ROAD **60** ENTER FT OR MI **FT**  
 TAX MAP: **6** BLK: **21** PARCEL: **159**

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

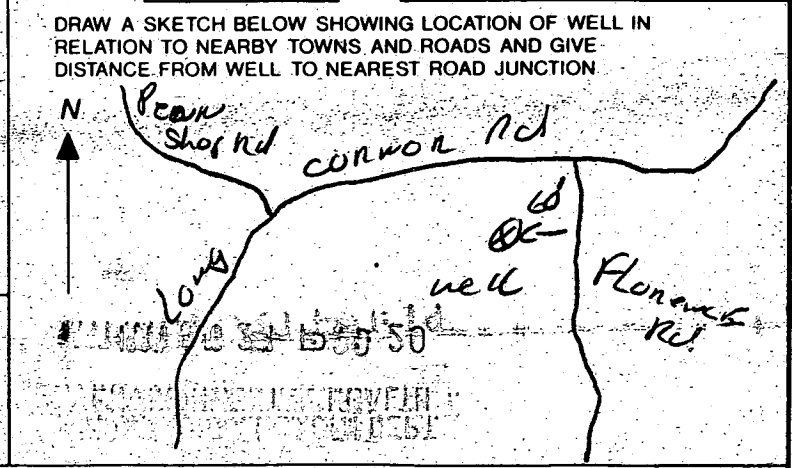
**HOWARD** (COUNTY NAME) **13** (COUNTY NO.)  
 STATE SIGNATURE \_\_\_\_\_ DATE ISSUED **090997** INSERT S \_\_\_\_\_  
 CO SIGNATURE **Gledson** **9/4/97** EXP. DATE \_\_\_\_\_  
 NORTH GRID **592000** EAST GRID **555000**

**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  
**555**  
**760592**

**Grout 9:30 9/10**  
**missed prep**  
**PM**



COUNTY \_\_\_\_\_

C1 - 9577

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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 13

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED

09 09 97

22 205 26

40-94-1269

OWNER SNYDER RALPH STREET OR RFD FLORENCE & LONG CORNER TOWN MT AIRY SUBDIVISION SNYDER PROP SECTION LOT 2

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 Top Soil, Brown Shale, Brown Slate, Blue Slate, Brown Slate, Blue Slate.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) CEMENT BENTONITE CLAY NO. OF BAGS 14 NO. OF BOUNDS 1400

CASING RECORD (S) (C) (P) (O) STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE (P) (G) (S) Nominal diameter top (main) casing Total depth of main casing

OTHER CASING (if used) diameter inch depth (feet)

SCREEN RECORD (S) (B) (H) (P) (O) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

NUMBER OF UNSUCCESSFUL WELLS: 1

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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...

TYPE: MWD/MSD/MGD DRILLERS LIC NO. 116

DRILLERS SIGNATURE Ralph Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MSO 117

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

C2 DEPTH (nearest ft.)

Table with columns: DEPTH (nearest ft.) 1-21, 23-36, 38-51. Values: 70, 48, 205.

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

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3 PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 100

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 44 ft.

WHEN PUMPING 60 ft.

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) (NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

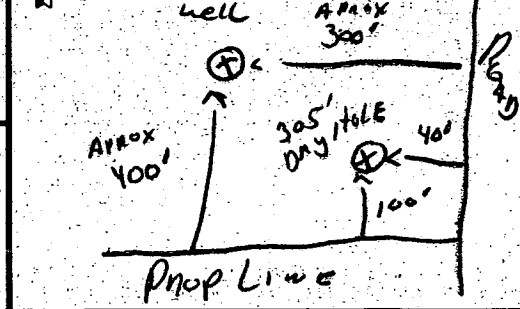
CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE (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)



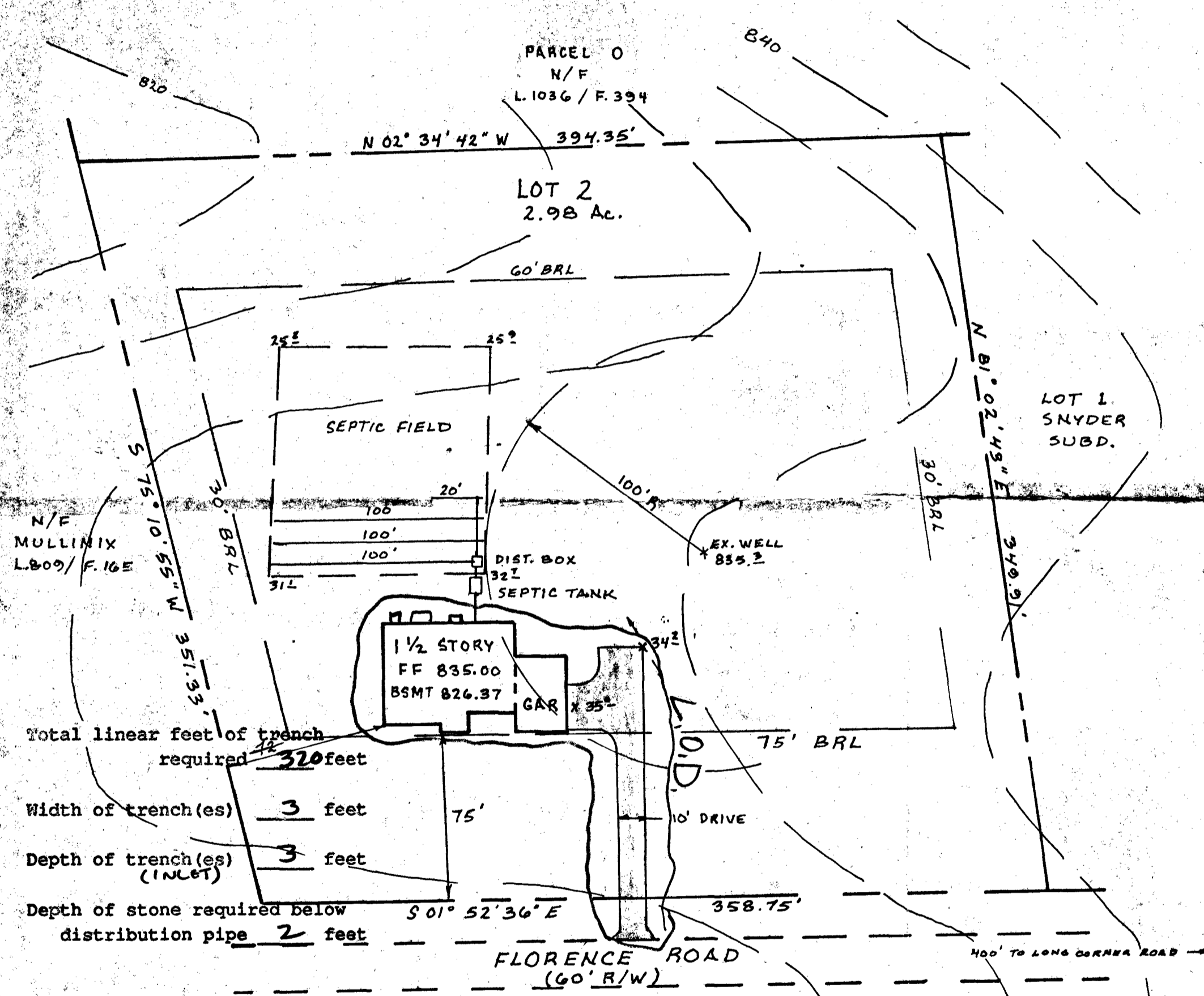
**GENERAL NOTES**

1. Owner / Developer: Ralph Snyder  
402 Carl Street  
Rockville, Maryland 20851
2. Property Reference: Liber 1719 / Folio 0642  
Plat # 9218
3. Total Area: 129,985 sf  
Total Disturbed Area: 18,000 sf
4. Current Zoning: Rural  
Building Restrictions: Front 75'  
Rear 60'  
Side 30'
5. Boundary, topographic and utility information is from available records of Howard County, Maryland and surveys by Advance Resource Consultants, Inc.
6. Information concerning underground utilities was obtained from available records but the contractor shall determine the exact locations and elevations of utilities prior to construction.
7. All construction shall be in accordance with the latest standards and specifications of Howard County, Maryland.
8. The contractor shall notify: "MISS UTILITY"  
1-800-257-7777  
48 hours prior to construction

**SEPTIC SYSTEM DATA**

1. House: 1½ story with 4 bedrooms
2. Percolation Rate: 1" / 20 min. ( 80 lf / Br. )
3. Minimum Septic Tank Capacity: 1500 gallon
4. All trenches shall be 3' wide.  
Inlets to trenches shall be 3' below original ground.  
Max. trench depth shall be 5' below original ground.  
Provide 2' of stone below the pipe in the trenches.  
All trenches shall be 10' center to center.
5. House first floor elevation: 835.00  
House Basement floor elevation 826.37  
( No gravity sewer service provided to basement )
6. Septic System Elevations:

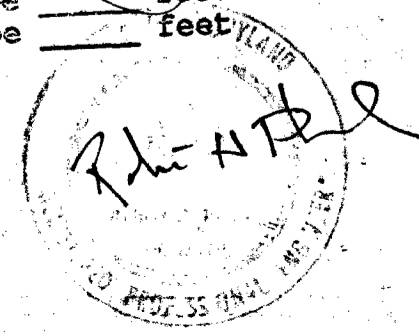
Invert elev from house	830.5
Septic tank ground elev.	833.0
Septic tank elev. in	830.3
Septic tank elev. out	830.1
Dist. box ground elev.	832.7
Dist. box elev. in	829.9
Dist. box elev. out	829.7
1st trench ground elev.	832.7
1st trench invert elev.	829.7



Total linear feet of trench required 320 feet  
 Width of trench(es) 3 feet  
 Depth of trench(es) 3 feet (INLET)  
 Depth of stone required below distribution pipe 2 feet

Total linear feet of trench required \_\_\_\_\_ feet  
 Width of trench(es) \_\_\_\_\_ feet  
 Width of trench(es) \_\_\_\_\_ feet  
 Depth of trench(es) \_\_\_\_\_ feet  
 Depth of trench(es) \_\_\_\_\_ feet  
 Depth of stone required below distribution pipe \_\_\_\_\_ feet  
 Depth of stone required below distribution pipe \_\_\_\_\_ feet

Approved Septic System Plan  
 Howard County Health Department  
 B00108620 - 4BR  
 Signature C. Will Date 11/5/97



**ARC**

**SITE PLAN**

LOT 2, SNYDER SUBD.  
 PLAT # 9218  
 ELECTION DISTRICT #4  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 50' OCT., 1997

**ADVANCE RESOURCE CONSULTANTS INC.**  
 9884 MAIN STREET  
 DAMASCUS, MARYLAND 20872  
 (301) 253-8926