

6/24/98
Meet
installer ASAP
6:30-9:30
1:00
4/16/98
Pump Test Nam

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510217

A 49067-B

DISTRICT 4th

DATE 06/19/98

DATE SYSTEM APPROVED 11/16/98

INSPECTOR DIO

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~X60068X~~ 410-313-2640

INDEXED

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL ALTER

ADDRESS P.O. Box 15, Woodbine, MD 21797 PHONE 410-795-7873

SUBDIVISION Walnut Springs LOT 22 ROAD 1209 Emmaus Road

PROPERTY OWNER ~~Carol and Chuck Schroyer~~ DEBRA KEACHNER

ADDRESS Mike / Debbie Oburn

SEPTIC TANK CAPACITY 1250 ^{Top Seam} GALLONS *PUMP SYSTEM ONLY*
1250 GALLON TOP SEAMED PUMP CHAMBER

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

CALL FOR INSP PRIOR TO INSTALLATION

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the right rear lot corner, start the first trench 10 feet down the right (367.35') lot line and 10 feet off this same lot line. Run trenches on contour to left side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/12/98 AL

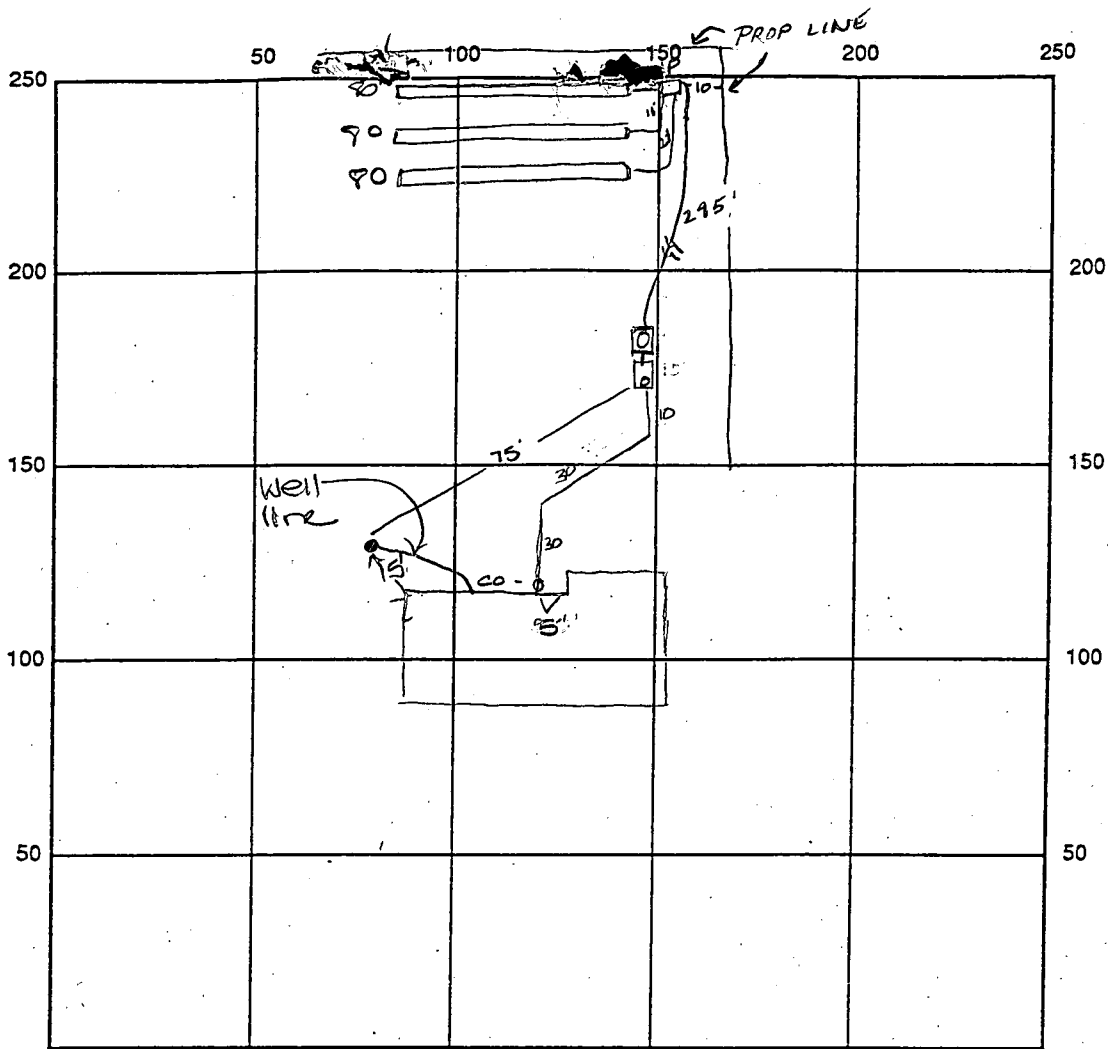
PLANS APPROVED BY Mark Rifkin/Amy McMillen DATE 04/20/98

- 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

PERMIT SIGNED AND RETURNED 8-12-98
Sequit 8/10/98
deh

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

A 49067B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Pump Chamber 1500 gal top seam

SEPTIC TANK LEVEL OK 1500 gal top seam CLEANOUTS _____

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 6.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 4.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT. $\frac{240 \times 3}{1}$

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: 6/24/98 Installer didn't show 6/29/98 In order to keep the top of the tank
out of the H₂O table & keep the tanks from floating - install tank 75' from H0940425
Water @ 7.5' in tank holes - top of tank @ 3.0 - OK to cover - OK to cover trench #1
6-30-98 OK to cover all work - pressure line from pump chamber to DB
not installed but storm pending - MAKE SURE EFFLUENT REACHES DB
AT PUMP TEST 11/16/98 Pump check OK - FINAL INSPECTION

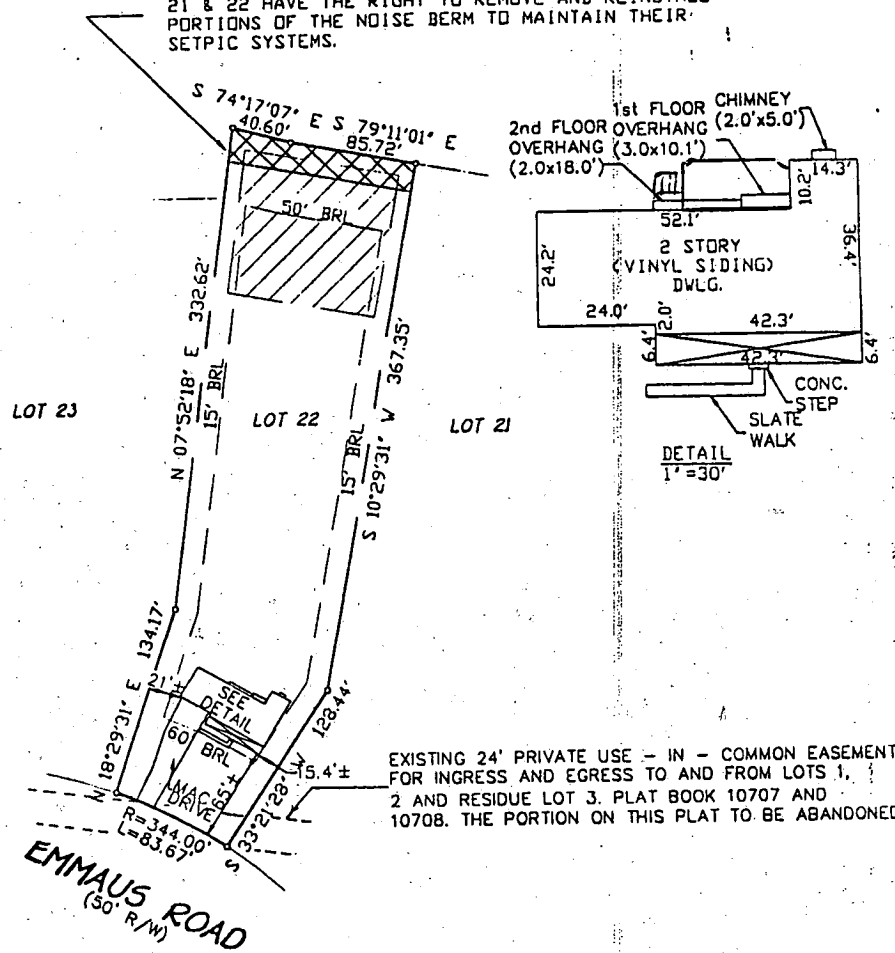
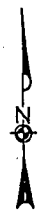
DATE SYSTEM APPROVED 11/16/98 INSPECTOR [Signature]

MKG
OBYRNE

GENERAL NOTES:

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SHOWING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar as it is required by a LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING, OR REFINANCING UNLESS INDICATED AS BEING A BOUNDARY SURVEY. THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE _____ ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF _____ HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240011 0007 B EFFECTIVE DATE: DEC. 4, 1986
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 0.1' PLUS OR MINUS (±).

NOISE BERM EASEMENT (PRIVATE) OWNERS OF LOTS 21 & 22 HAVE THE RIGHT TO REMOVE AND REINSTALL PORTIONS OF THE NOISE BERM TO MAINTAIN THEIR SETPIC SYSTEMS.

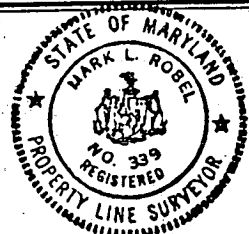


8/12/99
Shown
deck will
have no impact
on existing
well or septic
A. McMillan

*1209 EMMAUS ROAD
 - PRIVATE SEWAGE EASEMENT
 - BUILDING RESTRICTION LINE

PLAT OF CORRECTION
 LOT 22
 WALNUT SPRINGS
 LOTS 4 THROUGH 19 & 21 THROUGH 24
 AND PRESERVATION PARCEL C
 HOWARD COUNTY, MARYLAND
 4th ELECTION DISTRICT
 PLAT REF. # 11823

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLENKOTT CITY, MARYLAND 21042
 (410) 484 - 2655



HOUSE LOCATION DRAWING

FOUNDATION LOCATION: _____
 FINAL LOCATION: 11/10/98
 BOUNDARY SURVEY: _____

Mark L. Robel 11/10/98
 PROFESSIONAL LAND SURVEYOR DATE
 REG. # 339

SCALE: 1"=100'
 DATE: 11/10/98
 DRAWN BY: T.B.F.
 CHECKED BY: M.R.L.
 PROJECT No.: 61069

FCC •

OBYRNE

C1 3679

SEQUENCE NO. (DENV 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 A 49067 B

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 04 24 95

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-0425

OWNER Schroeyer Charles last name first name STREET OR RFD Emmaus Rd TOWN Lisbon SUBDIVISION WALNUT SPRINGS SECTION LOT 22

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Entries: Brown shale 0-76, Blue Rock 76-300.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY, NO. OF BAGS 15, NO. OF POUNDS 1910, GALLONS OF WATER 90, DEPTH OF GROUT SEAL from 0 to 55 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE SF, Nominal diameter 6, Total depth 80.

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

SCREEN RECORD: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT)

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y)

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 26.04.04 "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. 24, DRILLERS SIGNATURE Joseph Mayne

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

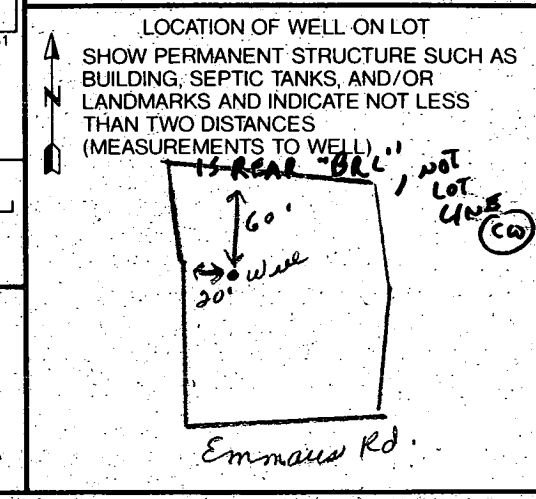
DEPTH (nearest ft.) table with columns 1-21, 23-36, 38-51. Entry: 1 H0 28 300

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 (74, 75, 76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 4 1/2, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 20, WHEN PUMPING 222, 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 IN BOX - SEE ABOVE, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) above, LAND SURFACE 2 (nearest foot) below



EMERGENCY/TEMP NO. IF ANY

B 1 **4441** SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

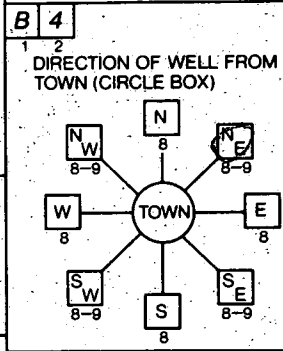
STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
H0-94-0425
fill in this form completely

Date Received (APA) **03/16/95**
OWNER INFORMATION
Last Name: **SCHROYER** Owner: **CHARLES** First Name: **CHARLES**
Street or RFD: **1245 MORGAN STAFFORD**
Town: **WOODBINE** 70 State 72 Zip: **MD 21799**

B 3 LOCATION OF WELL
8 COUNTY: **HOWARD** 21
23 SUBDIVISION: **WALNUT SPRINGS** 42
SECTION: **22** LOT: **22**
52 NEAREST TOWN: **LISBON** 71
MILES FROM TOWN (enter 0 if in town): **1** MI

DRILLER INFORMATION MSD/MGD/MWD
Driller's Name: **Joseph L. Magee** 77 License No. **80**
Firm Name: **Joseph L. Magee Well Drilling**
Address: **5512 Ridge Rd. Mt. Airy Md. 21771**
Signature: **Joseph L. Magee** Date: **3/15/95**



NEAR WHAT ROAD: **Emmusa Road** 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): **90** 37
DISTANCE FROM ROAD: **8** FT 38 39
ENTER FT OR MI: **FT**
TAX MAP: **8** BLK: **8** PARCEL: **313**

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.): **5** 8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): **500** 14 20

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.: **A49067B**
STATE SIGNATURE: **Mark E. Riffin** DATE ISSUED: **03/30/95** EXP. DATE: **3/30/96**
NORTH GRID: **547000** EAST GRID: **0786000**

APPROXIMATE DEPTH OF WELL: **260** FEET 24 28
APPROXIMATE DIAMETER OF WELL: **6** INCH NEAREST INCH

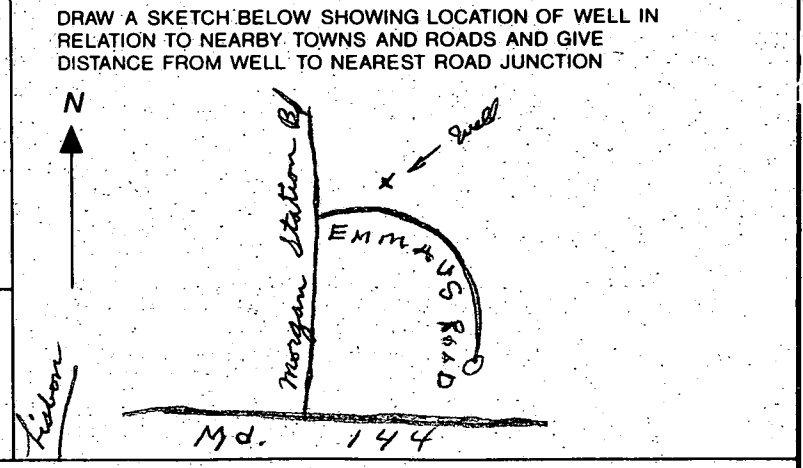
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER:
1. WELL
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE:
E: **78x6**
N: **547**
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

*4-24-95
9:30 gROUT
80' casing x
55' open
15 bags
Info provided by driller - already completed DWS*

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)
 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 - CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE): **41** 52

Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER: **GAP** 54 63
FORCE: **MIR** WRITE INITIALS IN BOX 67 68 PERMIT NO.: **H0-94-0425** 70 71 72 73 74 75 76 77 78 79



N 185.700

LIMIT OF
STA. 14+44

14+90 MARK
OHO ROAD
N 26°20'44"
75.40'

LIMIT OF MARK
STA. 15+7

EX DWELL

EX DWELL

EX DWELL

EX DWELL

EX 22' PAVEMENT

WILLIAM
LAWSON BROWN
P.B.S.
OVER THE

EX DRYWELL
D
#A15025

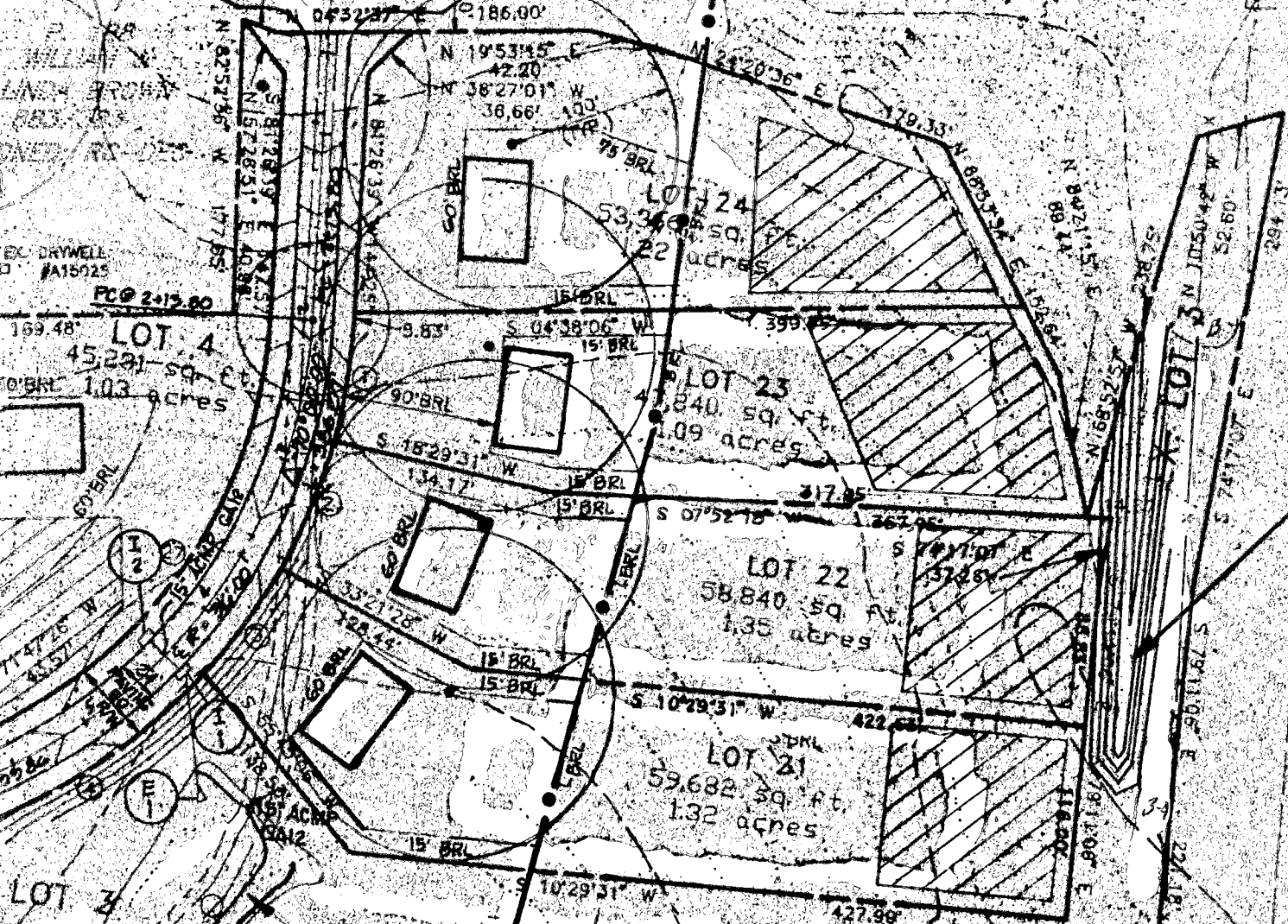
FC @ 2+15.80

LOT 4
45,231 sq. ft.
1.03 acres



LOT 3

EXISTING 24' PRIVATE USE - IN COMMON EASEMENT
FOR INGRESS AND EGRESS TO AND FROM LOTS
1, 2 AND 3.
EXISTING DRIVEWAY
PROPOSED 18' PRIVATE DRIVEWAY
PROPOSED 24' PRIVATE DRIVEWAY
FOR INGRESS AND EGRESS
TO LOTS 1, 2 AND 3.



WATER QUALITY, STORMWATER
MANAGEMENT FACILITY (SHALLOW MARSH)

WETLAND BUFFER

EX 20'

APPLICATION

PERCOLATION TESTING

A 49067B

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 3/16/93

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER CHARLES SCHROYER

ADDRESS 1245 MORGAN STATION RD. PHONE 301 854 6217

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 22 ON SIGNED PERC PLAT

ROAD AND DESCRIPTION EAST OF MORGAN STATION RD. SOUTH OF R# 70
(1209 EMMAUS ROAD)

TAX MAP 8 PARCEL # 313

SIZE OF LOT ± 53,000 sq ft TYPE BLDG. SINGLE FAMILY
(SINGLE FAMILY DWELLING OR COMMERCIAL)

ORIGINAL PERMIT SIGNED
AND RETURNED 4/30/93
Serial # BR 111264-4Bcm

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.

[Signature] (Powers Assoc.)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING HOLD FOR PLAT - PERC OK MR 6/3/93

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A49067B

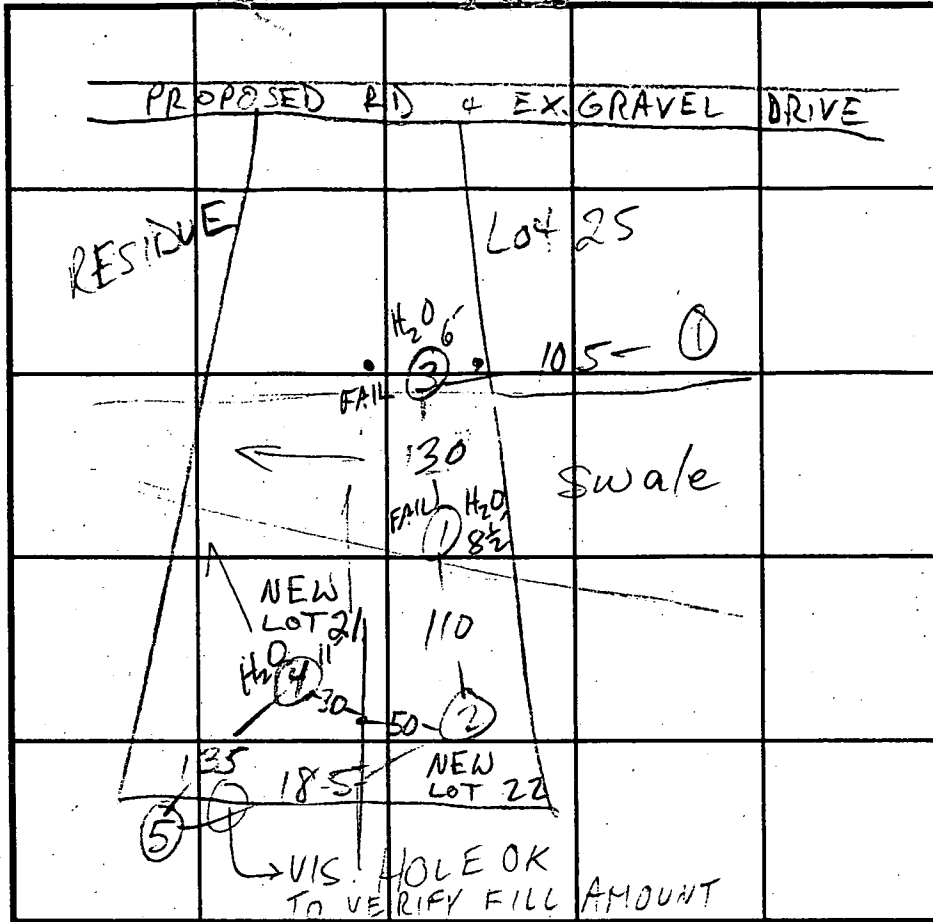
COUNTY #

lot 24 SOIL PROFILE

0' (2)
brn red sa cl m
4 1/2' tom sa l m
10-15% soap like frags

12' (3)
heavy brn yel clay
6 3/4' WATER
8 1/2'

5' (5)
org brn clay e cl m
4 1/2' 1 piece lg root
5 1/2' black plastic piece cable
12' brn sa l m
20-25% frags



SOIL PROFILE (4)
0' red brn sa cl m
5' red brn sa l m
10-20% frags
11' WATER
11 1/2'

I-70 INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME | |
|---------|----------|--------|--------------------------|-------|-----------------|-------|------|--|
| | | | START | STOP | START | STOP | | |
| 5/14/93 | 2S | 5' 9" | 10:33 | 10:36 | 10:36 | 10:41 | 5 | |
| | 2V | 12 | | | | | | |
| | 3V | 8 1/2 | H ₂ O @ 6' 3" | | FAIL | | | |
| 5/4/93 | 1V | 10' | H ₂ O @ 9 1/2 | | SEEPING @ 8 1/2 | | FAIL | |
| 5/14/93 | 4S | 4 5/8 | 12:47 | 1:02 | 1" RED 16 | | 10 | |
| | 4V | 11 1/2 | 12:04 | 12:08 | 12:08 | 12:18 | | |
| | 5S | 5' 9" | 12:59 | 1:05 | 1:05 | 1:12 | 7 | |
| | 5V | 12 1/2 | see profile | | | | | |

REMARKS HOLES (1)-(3) PER RED LINE PLAN ±; USE (2)-(4)-(5)

TYPE OF SOIL _____
 TESTED BY M. Rifkin ALSO PRESENT Fyock crew
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7 TRENCH WIDTH 3
 INLET DEPTH 7 MAXIMUM BOTTOM DEPTH 6 SQ. FT./BEDROOM 180

