

11/4/97
2:00
11/19/97
AM

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

01-358937

P 58986

A 50514-C

DISTRICT 4th

DATE 9/22/97

DATE SYSTEM APPROVED 11/19/97

INSPECTOR KM

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

INDEXED

Stenwood Excavating (Elden Barnes) IS PERMITTED TO INSTALL ALTER

ADDRESS 1110 Harding Rd Laurel MD 20723 PHONE 301-490-7189

SUBDIVISION Paragon Property LOT 3 ROAD 18570 Windsor Forest Road

PROPERTY OWNER Elden P & Charlette C. Barnes

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

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

LOCATION - As seen when facing the lot from Long Corner Road, Begin trenches 120 feet up the left (367.09') lot line and 105 feet off that same lot line. Run trenches on contour toward 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 8/11/97

PLANS APPROVED BY Amy McMillen/Donna K. Soe REVISED _____ DATE 08/07/97

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

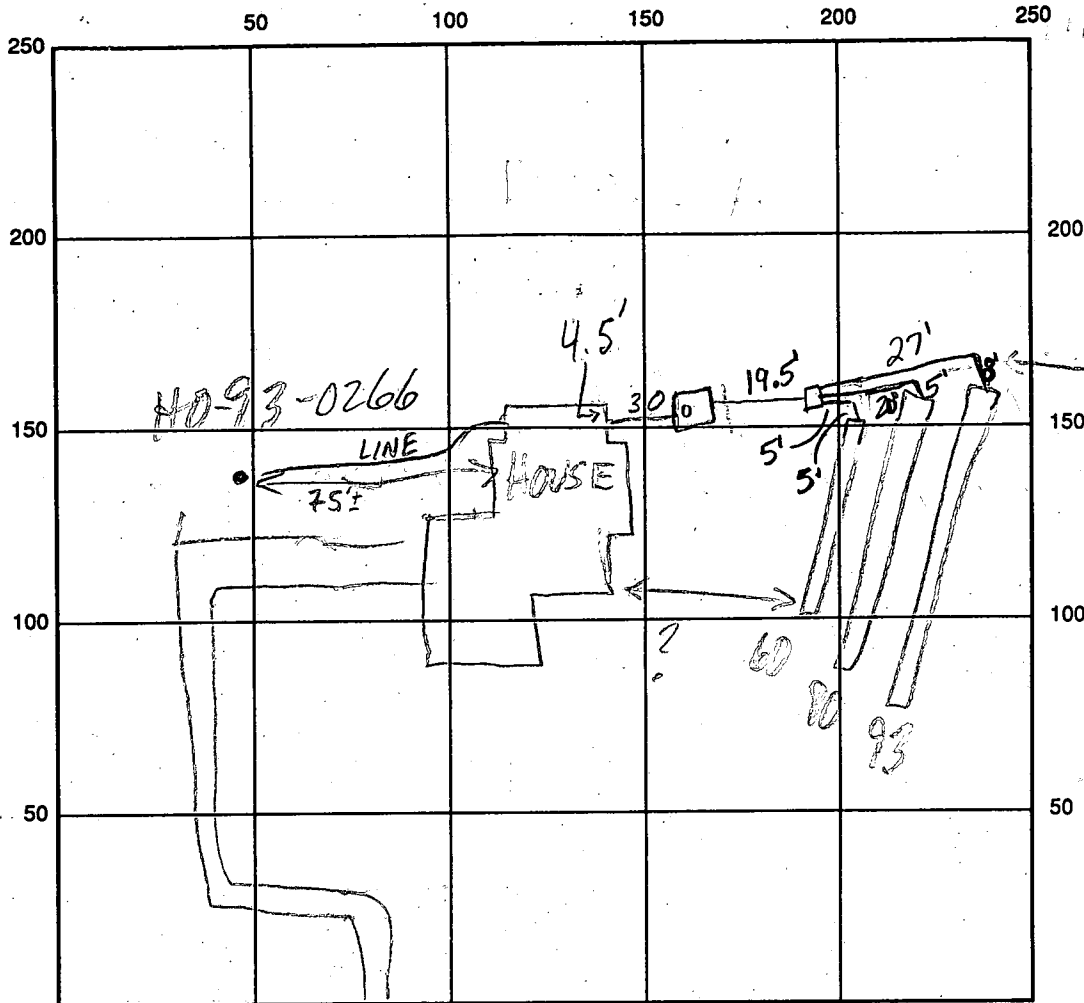
PERMIT VOID AFTER TWO YEARS

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**

A50514-C



WINDSOR FOR EST. RD INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 GAL CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 1x60, 1x80, 1x93 FT. → 233

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 699 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 11/4/97 OK TO COVER S.T. & TRENCHES, LEAVE D.B.

AND ALL LINES CONNECTED TO IT OPEN (M2)

11/19/97 OK to cover all work (M)

DATE SYSTEM APPROVED 11/19/97

INSPECTOR Kimberly White

C1 4570

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A50514-SC

(THIS NUMBER IS TO BE PUNCHED IN CGLS: 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER REUWER DON last name WINDSOR FOREST first name TOWN LONG CORNER SUBDIVISION PARAGON PROPERTY SECTION LOT 3

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: TOP SOIL, Brown shell, Blue slate + SANDSTONE, GOT water at 225.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS: 8. NO. OF POUNDS: 48. DEPTH OF GROUT SEAL: from 0 to 41 ft.

CASING RECORD. MAIN CASING TYPE: PL (PLASTIC). Nominal diameter: 6 3/8 inch. Total depth: 42 ft.

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

SCREEN RECORD. screen type or open hole: HO (OPEN HOLE). STEEL, BRASS BRONZE, PLASTIC, OTHER.

NUMBER OF UNSUCCESSFUL WELLS: 1. WELL HYDROFRACTURED: Y (YES).

DEPTH (nearest ft.) table with handwritten values: 40, 42, 425.

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED TO PRODUCTION WELL).

SLOT SIZE - 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH) table.

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...

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

TYPE: MWD/MSD/MGD. DRILLERS LIC. NO. 410. DRILLERS SIGNATURE: [Signature]. LIC. NO.

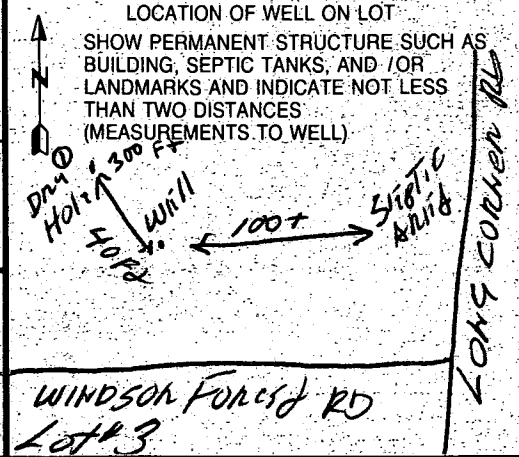
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER). T (E.R.O.S.), W-Q (74, 75, 76).

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST. HOURS PUMPED (nearest hour): 3. PUMPING RATE (gal. per min.): 4. METHOD USED TO MEASURE PUMPING RATE: submersible. WATER LEVEL (distance from land surface): 50 ft. BEFORE PUMPING. WHEN PUMPING: 200 ft. TYPE OF PUMP USED (for test): S (submersible).

PUMP INSTALLED. DRILLER WILL INSTALL PUMP (YES/NO): NO. 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): 1.



B 1 **1756** 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
40-93-0266
fill in this form completely

Date Received (APA)
04/29/96

OWNER INFORMATION

Reaven **DDN**
Last Name Owner First Name

10805 Hickory Ridge
Street or RFD

Columbia MD 21044
Town State Zip

B 3 LOCATION OF WELL

Howard COUNTY

Paragon SUBDIVISION

SECTION **1** LOT **2**

Pat Kirk NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **4.1** MI

DRILLER INFORMATION MSD/MGD (MWD)

GARY W SHOFF License No. **410**

Driller's Name Firm Name
Harley Well Drilling & Pump Svc. Inc.

Address
Box 160 WDKersville, MD 21793

Signature **Gary W Shoff** Date **4-10-96**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD
WINDSON Forest

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
WEST EAST SOUTH NORTH

DISTANCE FROM ROAD **1.50** ENTER FT OR MI: **0**

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **3**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

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

Howard County COUNTY NAME COUNTY NO. **A 50514-C**

STATE SIGNATURE DATE ISSUED **042596** A. McMillen **4/25/97**

NORTH GRID **544000** EAST GRID **0756000**

APPROXIMATE DEPTH OF WELL **200** 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

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

756
544

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

6/3/96 11:30 **groot**

No insp - No one on site

(X) 9:30 AM

Jim

180 FT well depth

WINDSON Forest rd

Col's Corner Rd

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 DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

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

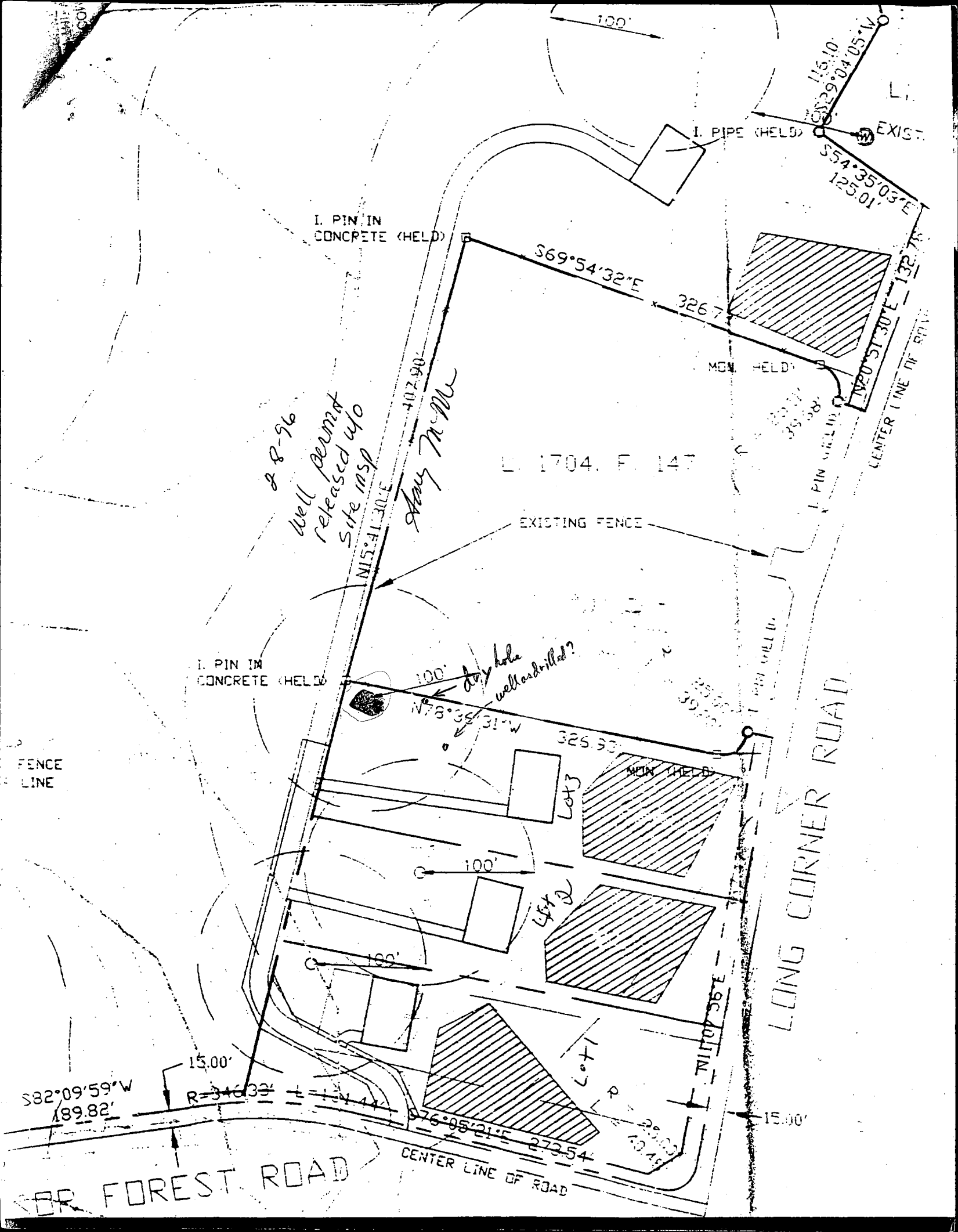
APPROX. PERMIT NUMBER **G A P**

FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **40-93-0266**

SPECIAL CONDITIONS

NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =

COUNTY



S82°09'59"W
189.82'

R=346.33'

FOR FOREST ROAD

CENTER LINE OF ROAD

LONG CORNER ROAD

CENTER LINE OF RIVER

E. 1704. F. 147

*2-8-96
Well permit
released w/o
Site insp*

Harry McMillan

*100' dry hole
well drilled?*

I. PIN IN
CONCRETE (HELD)

I. PIPE (HELD)

EXIST.

S54°35'03"E
125.01'

S69°54'32"E
326.7'

MON. HELD

I. PIN GILDED

EXISTING FENCE

I. PIN IN
CONCRETE (HELD)

N78°35'31"W
100'

325.33'

MON. HELD

Lot 3

Lot 2

Lot 1

390.36'E

S76°05'21"E
273.54'

15.00'

290.03
120.45'

100'

S32°04'05"W
116.10'

L.I.

132.78'

S42°51'30"E

FENCE
LINE

100'

100'

15.00'

APPLICATION

PERCOLATION TESTING

A 50514-C

P _____

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

DISTRICT _____

DATE

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 Taneytown Bank Elden P + CHARLOTTE C. BARNES

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Land Design + Development / Mark Reich

ADDRESS 10806 Hickory Ridge Rd PHONE 740-2100

PROPERTY LOCATION:

SUBDIVISION Paragon Property LOT NO. 4³

ROAD AND DESCRIPTION North West Corner of Windsor Forest + Long
Corner Rd. 18570 Windsor Forest Road

TAX MAP 6 PARCEL # 82

**BLDG. PERMIT SIGNED
AND RETURNED 8-7-97
Serial # B0107263**

SIZE OF LOT 1 acre ± TYPE BLDG. SFD - 3 Bedroom
(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.

Mark Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

50514-C

Lot 14

COUNTY #

SOIL PROFILE

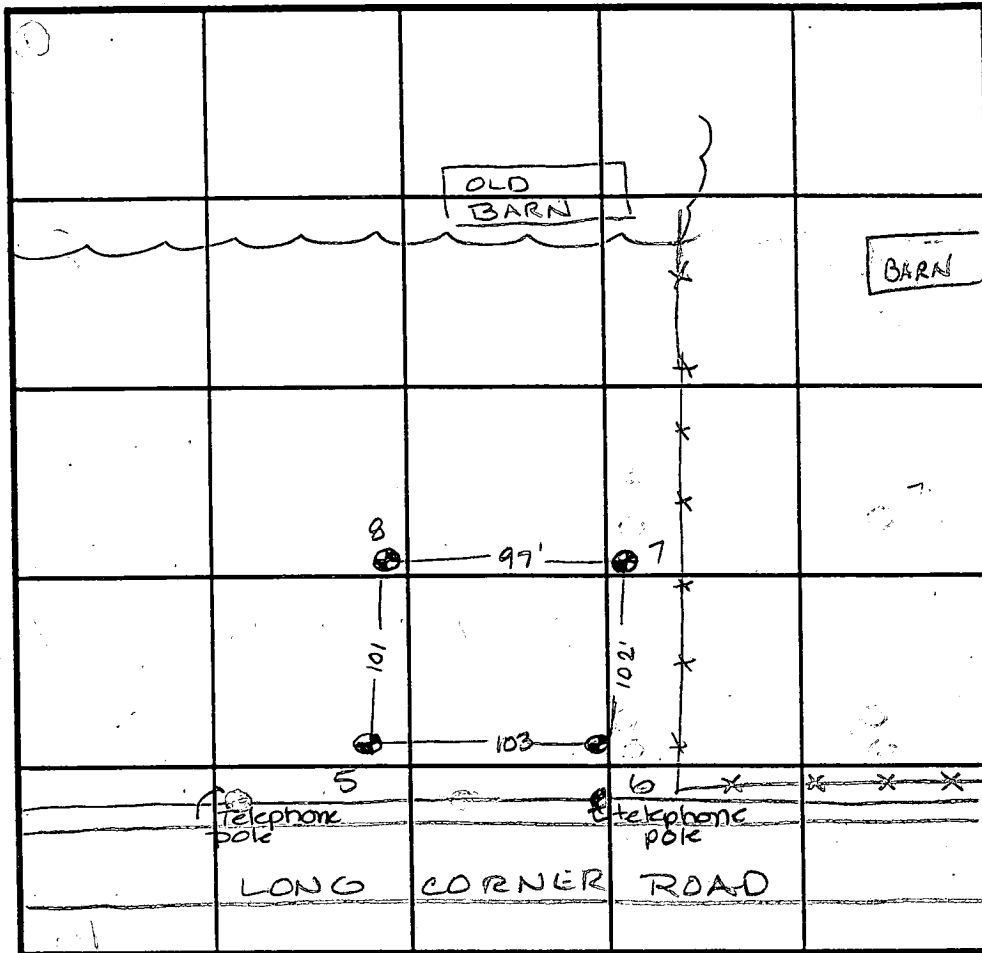
5
0' top soil
1' reddish orange brn CSL
3' orange w/ yellow SIL 5% shale
6' 1st orange SL 20-30% small gray shale frags
10'

8

reddish CL gravelly
2.5' whitish w/ yellow and red SIL spots
5.5' 1st yellow almost white SIL 30% shale hard
10'

6

orange red brn CSL gravelly
2' 20% grey fragmented rock powdery SIL
1st tan
11.5'



SOIL PROFILE

7
0' orange tan SIL
2.5' whitish orange SIL
4' whitish tan SL 5% very decayed shale (quartz)
10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-22-95	5	4' / V10	7:35	7:40 ¹⁵	7:40 ¹⁵	7:46	5 3/4 min
	8	Visual	to	10'			?
	6	3.5' / VII.5	7:44	7:47 ³⁰	7:47 ³⁰	7:55	7 1/2 min
	7	4.5' / V10	7:57 ³⁰	8:02	8:02	8:06	4 min
	7	7.5' / V10	7:55 ²⁰	7:55 ⁴⁵	7:55 ⁴⁵	7:56 ²⁵	30 sec
	7	repair	7:56 ⁴⁵	7:57 ¹⁵	7:57 ¹⁵	7:58	45 sec
3-8-95	5	7' / V10	10:40 ³⁰	10:41	10:41	10:42	1 min
	5	repair	10:43	10:44 ¹⁵	10:44 ¹⁵	10:47	2 3/4 min
	5	repair	10:48	10:50 ¹⁵	10:50 ¹⁵	10:55 ³⁰	5 1/4 min

REMARKS MUST HAVE SHALLOW DEEP TEST HOLES ON ALL HOLES 4 TIMES 5M

TYPE OF SOIL _____

TESTED BY AMY McMILLEN ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 50514/B

P _____

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

DISTRICT _____

DATE 2/10/95

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.

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AGENT OR PROSPECTIVE BUYER Land Design + Development / Mark Reich

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Mark Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

LOT 14

50514C

COUNTY #

SOIL PROFILE

SOIL PROFILE

		SEE PAGE 1 for diagram & soil descriptions		

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-8-95	6	7' $\sqrt{11.5}$	10:58 ⁴⁵	11:01	11:01	11:05	4min
	6	repour	11:05 ⁴⁵	11:10 ¹⁵	11:10 ¹⁵	11:17	6 ³ / ₄ min
	7	7' $\sqrt{10}$	11:17	11:19 ¹⁵	11:19 ¹⁵	11:24	5min
	8	3' $\sqrt{10'}$	11:26	11:36	11:36	11:58	22min
	8	7' $\sqrt{10'}$	11:26 ⁴⁵	11:27 ³⁰	11:27 ³⁰	11:28 ³⁰	1min
	8	repour	11:30 ¹⁵	11:34 ¹⁵	11:34 ¹⁵	11:39	5min

REMARKS _____

TYPE OF SOIL _____

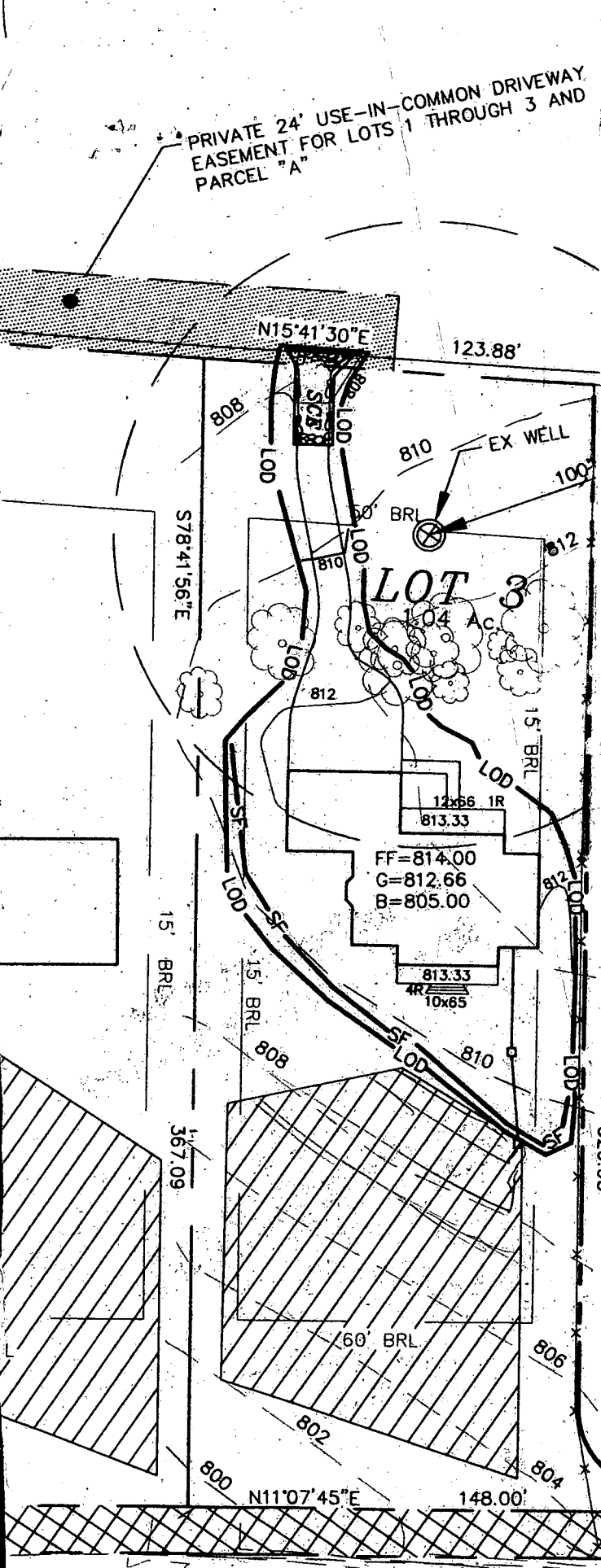
TESTED BY Amy McMillen ALSO PRESENT Olav Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

30.58 Ac.

PRIVATE 24' USE-IN-COMMON DRIVEWAY EASEMENT FOR LOTS 1 THROUGH 3 AND PARCEL "A"



1. TOPOGRAPHY BASED ON A SURVEY DONE BY MILDENBERG, BOENDER & ASSC IN JULY 1997.

2. BOUNDARY INFORMATION BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT SEPTEMBER 19, 1995 BY MILDENBERG, BOENDER & ASSOCIATES, INC.

3. SOILS BASED ON A SOIL SURVEY OF HOWARD COUNTY, DATED 1968.

4. TO THE BEST OF OUR KNOWLEDGE, EXISTING WELLS AND SEPTIC LOCATED WITHIN 100' OF THE PROPERTY BOUNDARY HAVE BEEN INDICATED HEREON.

Approved Septic System Plan 47 Howard County Health Department

Donna Lee 8/7/97
Signature **Date**

Total linear feet trench: 210'
Width of trenches: 3'
Depth of trenches: 4'
Depth stone below pipe: 2'

R = 25.00'
L = 39.20'

PLAN BY Mild Boender Assoc.

7/97

FIRST FLOOR ELEV.	= 814.00
INV. OUT OF HOUSE	= 808.43
INV. IN SEPTIC TANK	= 807.79
INV. OUT SEPTIC TANK	= 807.54
INV. IN DIST. BOX	= 807.00
EXIST. ELEV. @ SEPTIC TANK	= 810.15
PROP. ELEV. @ SEPTIC TANK	= 809.70
EXIST. ELEV. @ DIST. BOX	= 809.10

NO GRAVITY SEWER SERVICE TO BASEMENT

ONG CORNER ROAD