

2/14/90 ✓ p.m.  
2/15/90 Wood  
F.A. Lites

03 - 31215 Wales

2/14(1) P.C.O. RC. Bd  
2/15(1) P.C.O. ←  
P 45443

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 3rd

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

DATE 01/16/90

DATE SYSTEM APPROVED 2/15/90

INSPECTOR C. B. D.

## INDEXED

Cornwell Plumbing & Heating IS PERMITTED TO INSTALL  ALTER

ADDRESS 12196 Triadelphia Road PHONE 988-9221

SUBDIVISION Meadowood ROAD 1202 Shady Creek Ct. LOT 1

PROPERTY OWNER Spring Hill Associates Mark Rickey MARR

ADDRESS \_\_\_\_\_

~~IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 20%~~

~~GARBAGE GRINDER~~  YES  NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 210 sq.ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 170 feet from the front lot line (Shady Creek Road) and 230 feet from the right lot line (Crows Foot Road). Run trenches on contour in both directions

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 Sid Abel/Craig Williams DATE 05/6/89

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

BUDG. PERMIT SIGNED AND RETURNED 2/13/90  
Serial # 31574

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

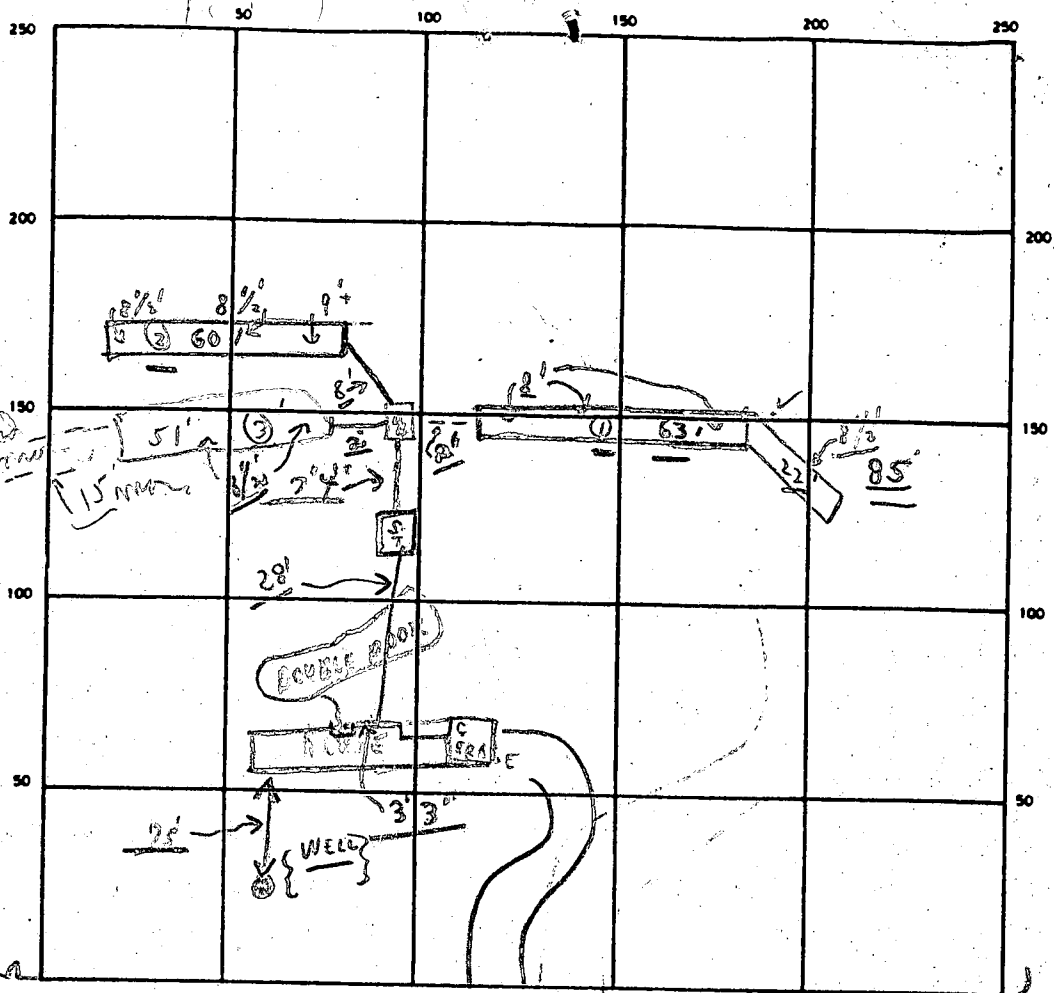
\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

500 gal. purp. tank

A 38172

Wood

TT  
Lead  
15' min



SHADY CREEK COURT

SEPTIC TANK LEVEL OK CLEANOUTS ✓ S.T. {BUCKET? ON IT} TAPED IN P.M.

DISTRIBUTION BOX LEVEL OK (Baffles in)

DRAIN FIELD/TILE FIELD DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 + FT. TOTAL LENGTH 214 FT. 214 } all } 211 FT.   
 TO BE → 366 }

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 844 + SQ. FT.

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

ABSORBENT AREA 844 + SQ. FT.

REMARKS P.M. 2/14/90 TRENCHES OK FOR STOVE (NEED MORE TRENCH) → PARTIAL

A.M. 2/15/90 PARTIAL → #2 TRENCH COVERED NO PIPE IN #1 TRENCH

#3 TRENCH OK FOR STOVE FOR 51' ± ; NEED 15' MIN; P.M. - LATE OK

TO COVER ALL WORK - FINAL.

P.M. 2/15/90 ALL TRENCHES HAVE 4' ± OF STONE - David C. Brown

2/14 W.P.I. FINAL - C. Bol {NOTE: WOODED - LOT-}

DATE SYSTEM APPROVED 2/15/90 INSPECTOR C. B. Stueker

# APPLICATION

PERCOLATION TESTING

A 38172

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 11/28/86

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 Springhill Associates - c/o D.S. Thaler & Associates, Inc.  
*MARK ROCKEY - 298-9833*

ADDRESS 11 Warren Road, Baltimore, MD 21208 PHONE (301) 484-4100

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 651

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road  
Howard County, Maryland 1202 Shady Creek Rd.

TAX MAP 10 PARCEL # 139

SIZE OF LOT 3+ Acres TYPE BLDG. Single Family  
(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.

*Mike Sedell*  
(SIGNATURE OF APPLICANT)

APPROVED BY B. Wilson FOR Deep system DATE 11/3/87

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

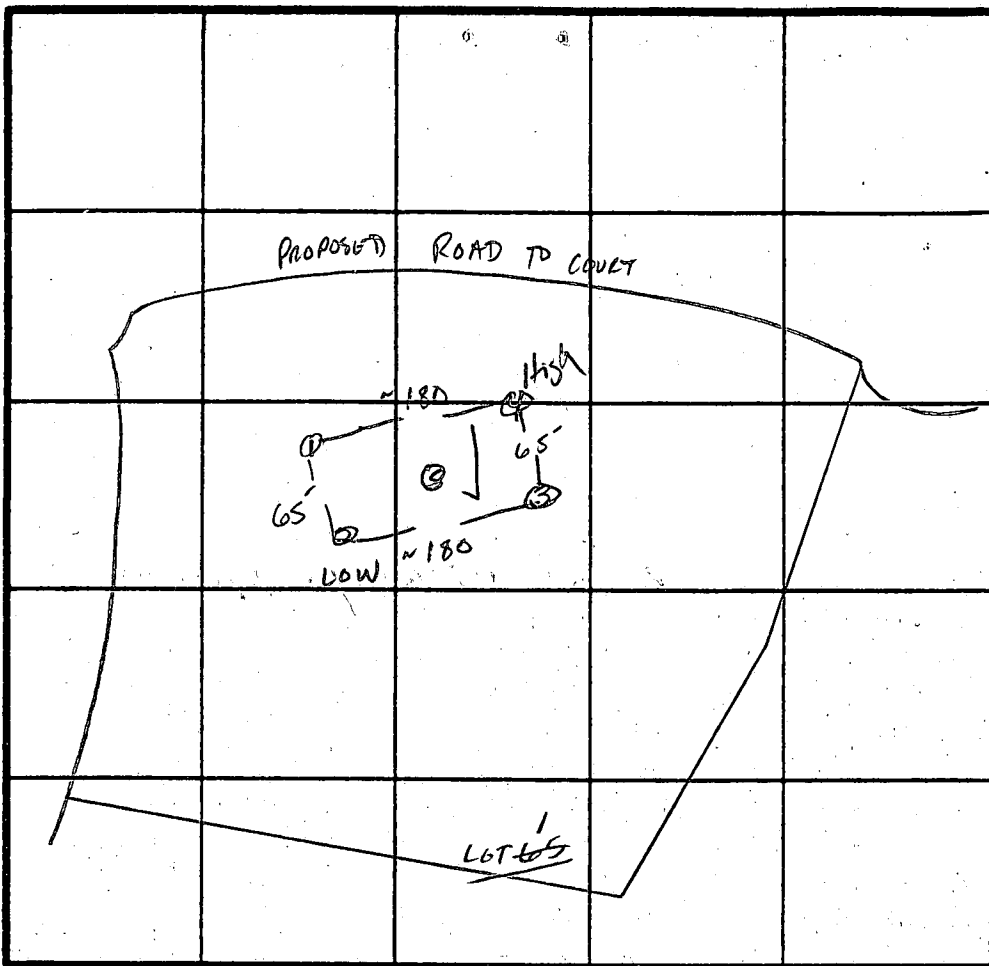
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 12/3/86 Puc. Satisfactory; Hold for subdivision plat. S. Abel

BLDG. PERMIT SIGNED  
AND RETURNED 5-5-89  
BP 25434

# THIS IS NOT A PERMIT

⊙ ⊙  
 ⊙ ⊙ ⊙  
 SOIL PROFILE



3.5-4'

A-3  
 Yellow BR  
 SILT CLAY  
 9-12% CLAY  
 10% FINESS  
 TAN TO  
 Yellow BR  
 SAND SILT  
 LOAM  
 Highly  
 MICACEOUS  
 15-20%  
 FINESS,

11-13'

PERC  
 12 MIN  
 19 1/4" BR  
 INLET 4"  
 BOTTOM 8"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/3/86	1V	12'	UNIFORM SOIL below 4'				
	2 S	4'	11:09	11:20	11:20	11:42	21 MIN
	3 S	12'	UNIFORM SOIL below 4'				
	3 S	4'	11:22	11:42	11:42	12:05	23 MIN
	4 S	11'	SAME AS OTHER HOLES		W/ MORE FINESS 35-50% AT 12"		
	4 S	4'	11:17	11:18	11:18	11:19	1 MIN
	4 M	8'	11:15	11:16	11:16	11:18	2 MIN
	4V	12'	UNIFORM SOIL below 3'				
	5V	13'	UNIFORM SOIL below 3.5'				

REMARKS HOLES PER PLAT  
 TYPE OF SOIL Clayey  
 TESTED BY S. Abel  
 OWNER/ FLYOCK + CO.  
 ALSO PRESENT \_\_\_\_\_

EH-12-1079

B 7 2280 SEQUENCE NO. (OEP USE ONLY)  
THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

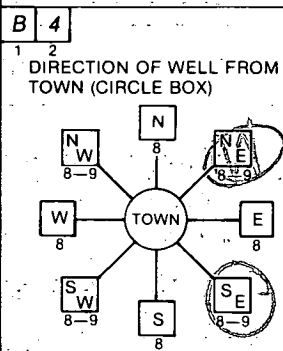
STATE OF MARYLAND PERMIT TO DRILL WELL  
please print or type

OEP PERMIT NUMBER  
HC-81-2389  
fill in this form completely

Date Received 4/11/87  
OWNER INFORMATION  
SPRING HILL ASSOC  
1423 RT 32  
W FRIENDSHIP MD 21794

B 3 LOCATION OF WELL R-39629  
HOWARD COUNTY  
MEADOWOOD SUBDIVISION  
SECTION 1 LOT 1  
SUBSERVICABLE  
MILES FROM TOWN 4 MI

DRILLER INFORMATION  
George F. Easterday  
L. Franklin Easterday, Inc.  
9265 Br. Ch. Rd., Mt. Airy, Md. 21771  
Signature: George F. Easterday Date: 7/1/87



B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
NEAR WHAT ROAD SHADY CREEK CT  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
DISTANCE FROM ROAD 30 FT  
ENTER FT or MI FT

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)

NOT TO BE FILLED IN BY DRILLER - HEALTH DEPARTMENT APPROVAL  
COUNTY NAME HOWARD COUNTY NO. A38172  
OEP SIGNATURE DATE ISSUED 110387  
NORTH GRID 549000 EAST GRID 0820000

APPROXIMATE DEPTH OF WELL 200 FEET

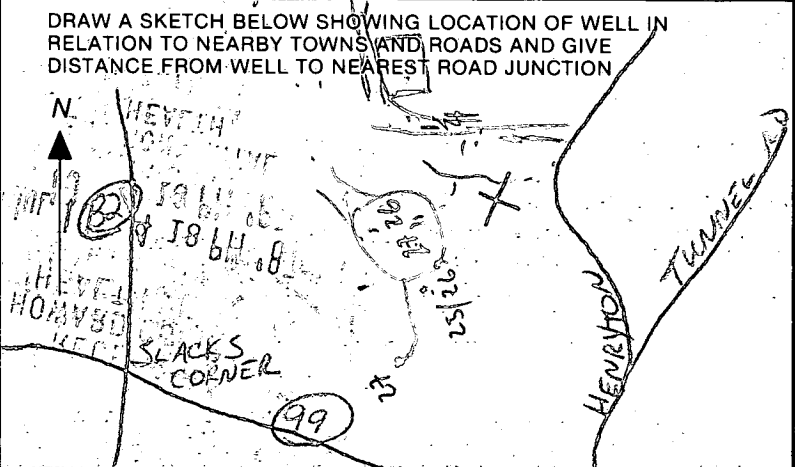
APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
CABLE REVERSE-ROTARY Drive-POINT

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  
N 820 0  
E 540 8

4/15/88 Missed grout  
Location ok 3:45 pm  
Grouted  
21 ft open hole  
30 ft casing  
15 bags cement  
1 ft above ground  
Nadeau

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  
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 (OEP USE ONLY)  
APPROP. PERMIT NUMBER GAP  
FORCE INITIALS PERMIT No. HC-81-2389

SPECIAL CONDITIONS

C1 1995

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A 38172

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

DATE Received

DATE WELL COMPLETED 04/15/88

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2389

OWNER ASSOCIATES SPRING HILL
STREET OR RFD SHADY CREEK CT / MEADOWS ROAD TOWN SYKESVILLE
SUBDIVISION MEADOWOOD SECTION 1 LOT 1

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top soil, Clay, Shaley, Mica, Mica + Flint, Mixed, Mica.

WELL HAS BEEN GROUTED (Y) (N)
TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 15 NO. OF POUNDS 1500
GALLONS OF WATER 15
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 31 ft.

CASING RECORD (ST) (CO) (PL) (OT)
STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE (ST) (6) (30)
Nominal diameter top (main) casing (nearest inch)
Total depth of main casing (nearest foot)

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

SCREEN RECORD (ST) (BR) (HO) (PL) (OT)
STEEL BRASS OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.) HO 28 400

- 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.

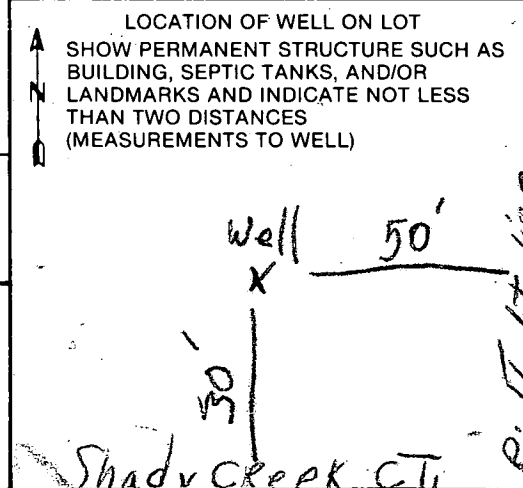
DRILLERS IDENT. NO. 40
DRILLERS SIGNATURE George F. Easton
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 3
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 63 WHEN PUMPING 230
TYPE OF PUMP-USED (for test) (S) submersible

PUMP INSTALLED
DRILLER WILL INSTALL PUMP YES (NO)
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)
LAND SURFACE (nearest foot) 2



FRACED *Just*  
8:00

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2389  
Location of property (road) SHADY CREEK CT / MEADOWWOOD RD  
Subdivision MEADOWWOOD Lot 1 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. 1  
Well Driller GEORGE EASTMAN Owner ASSOCIATES, SPRING HILL

Depth of well 400 3GPM ?  
Distance of measuring point (M.P.) above ground 1 ft.  
Static water level (S.W.L.) below M.P. 63'

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 9 gpm  
Total time 60 min to reach pumping water level \_\_\_\_\_ ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill <del>X</del> 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	222'	20 <i>sec</i>	N/A	3 <i>gpm</i>
9:45	224'	20	<i>pump at 370'</i> <i>R. Haman</i>	3
10:00	228'	25		2 1/2
10:15	228'	25		2 1/2
10:30	228'	25		2 1/2
10:45	228'	25		2 1/2
11:00	229'	25		2 1/2
11:15	228'	25		2 1/2
11:30	228'	25		2 1/2
11:45	228'	25		2 1/2
12:00	229'	25		2 1/2
12:15	229'	25		2 1/2
12:30	229'	25		2 1/2
12:45	229'	20		2 1/2
1:00	229'	25		2 1/2
1:15	229'	25		2 1/2
1:30	229'	25		2 1/2
1:45	230'	25		2 1/2
2:00	230'	25		2 1/2
2:15	230'	25		2 1/2
2:30	230'	25		2 1/2
2:45	230'	25		2 1/2
3:00	230'	25		2 1/2
3:15	230'	25		2 1/2
HD-224 3:30	230'	25		2 1/2

2/14/90 pm

2/14/90

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

FINAL  
C.B.D.

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # 45444  
Date 01/16/90

Name of Installer Cornwell P.H.

Telephone 988-9221

License Number 3853

Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner \_\_\_\_\_ Telephone \_\_\_\_\_  
Subdivision Henderson Lot # 1 Well Tag # HO-81-2389  
Site Address 1207 Shady Creek Ct.

<b>Pump</b>	<b>Motor</b>	<b>Pitless Adapter</b>
1. Type	1. Horsepower <u>1/2</u>	1. Make _____
a. Deep well jet _____	2. RPM <u>3450</u>	2. Model # <u>MN 10</u>
b. Shallow well jet _____	3. Voltage <u>220</u>	3. Depth _____
c. Submersible <input checked="" type="checkbox"/>	a. 110 _____	
2. Make _____	b. 220 <input checked="" type="checkbox"/>	
3. Model # _____		
4. Capacity _____ GPM		
5. Pump exceeds well capacity Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
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 _____		

<b>Tank</b>	<b>Piping</b>	<b>Well data</b>
1. Capacity <u>42 gal.</u>	1. Type <u>1"</u>	1. Depth _____ ft.
2. Pressure relief valve? <u>75</u>	2. Size <u>Plastic</u>	2. Yield _____ GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level _____ ft.
	4. Depth of supply line _____	4. Will water supply be disinfected by installer? <u>yes</u>

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).

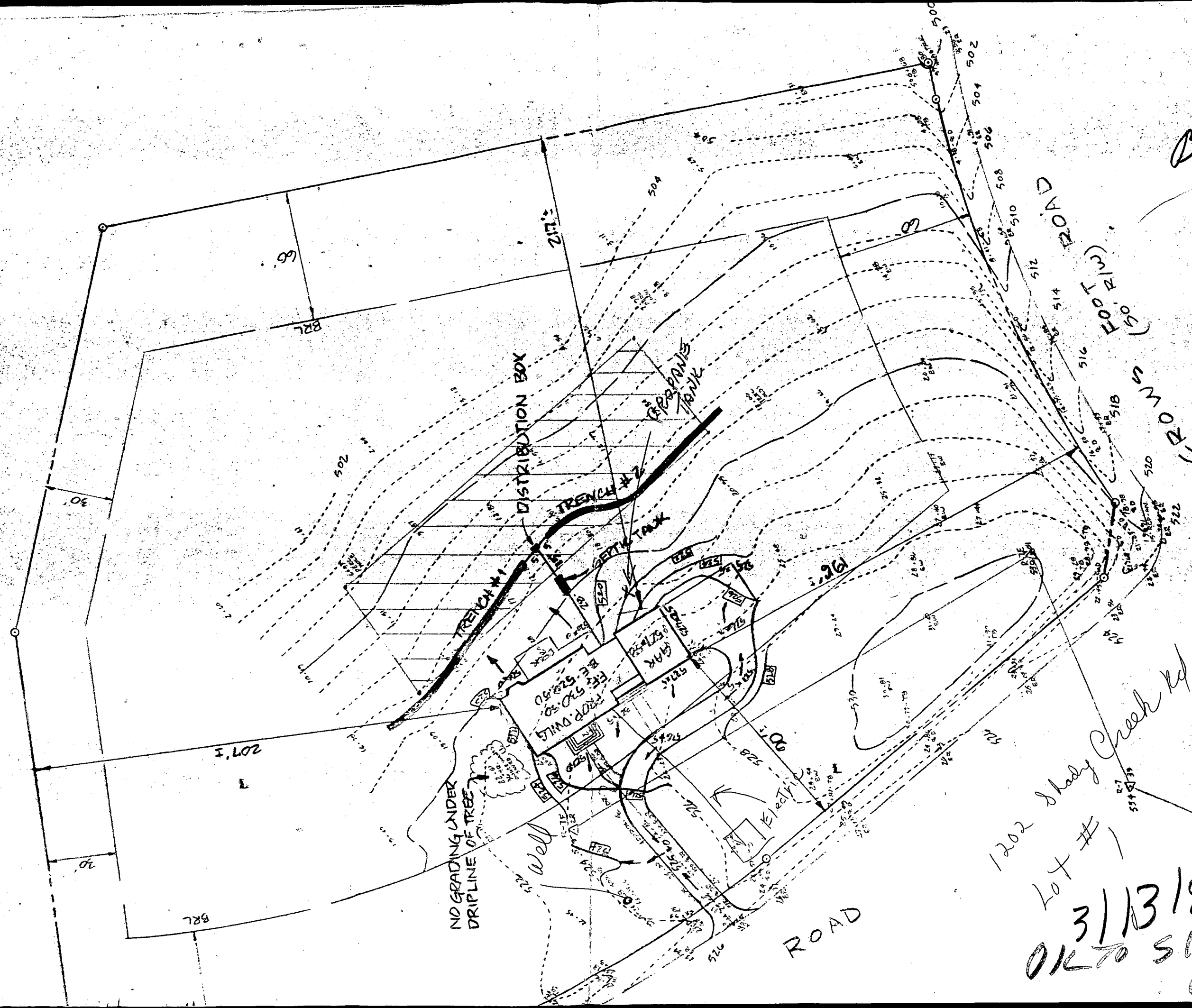
All information given above is true to the best of my knowledge.

Signature of Applicant: James Cornwell

Date: 2/14/90

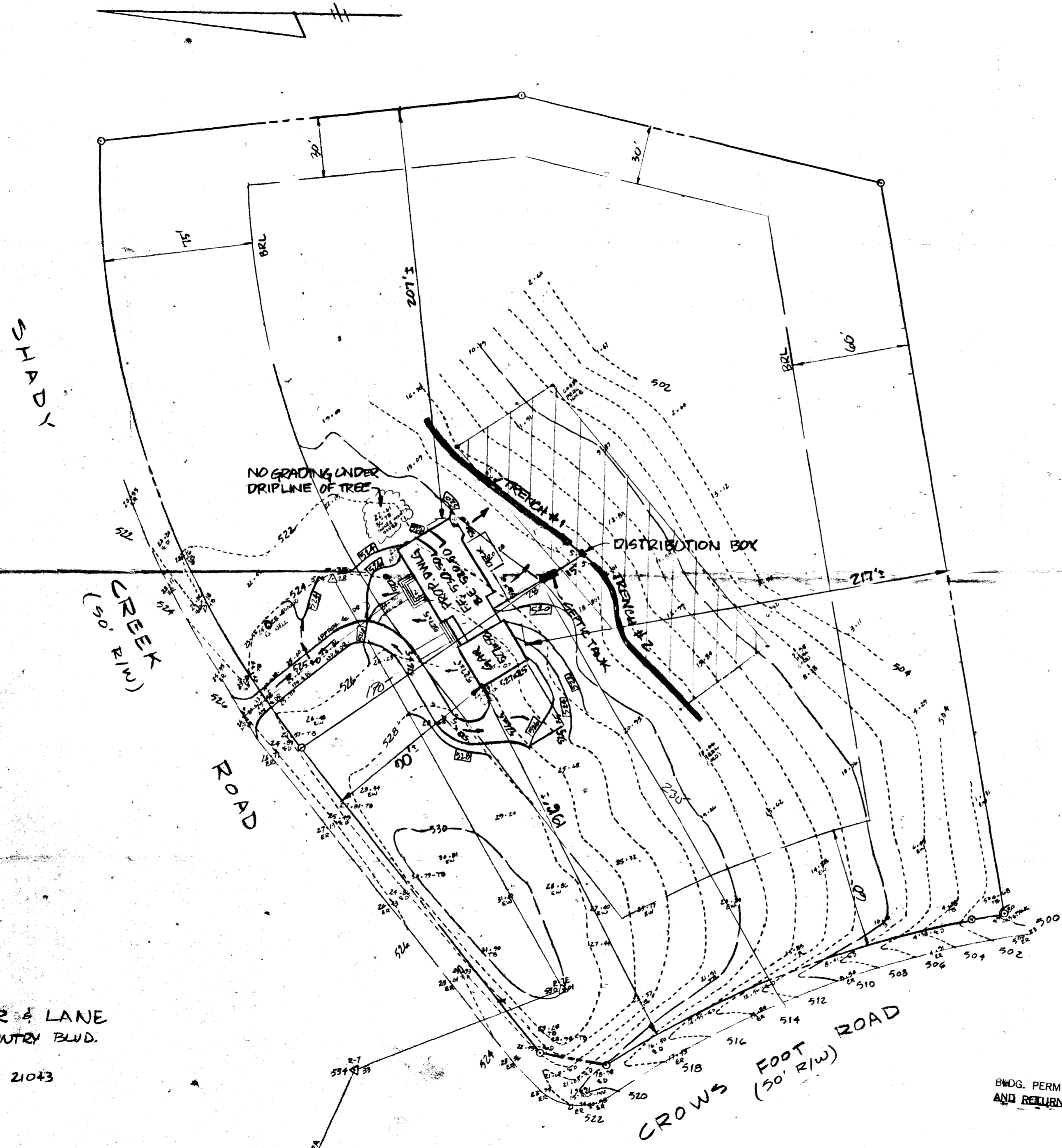
Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

BP 315 14



1202 Shady Creek Rd

Lot # 1  
3/13/90  
OK TO SIGN  
R/H



**SEPTIC SYSTEM DATA**

INV. @ HOUSE : 516.5 ✓

**SEPTIC TANK**

EX. GR. 519.5 ✓  
 FIN. GR. 519.0 ✓  
 INV. IN 516.0 ✓  
 INV. OUT 515.7 ✓

**DISTRIBUTION BOX**

EX. GR. 517.0 ✓  
 FIN. GR. 517.0 ✓  
 INV. IN 514.1 ✓  
 INV. OUT 514.1 ✓

**TRENCHES (NO. & LENGTH TO BE DETERMINED BY HOW. CO. HEALTH DEPT.)**

	#1	#2
EX. GR.	517.0 ✓	517.0 ✓
FIN. GR.	517.0 ✓	517.0 ✓
INV. IN.	514.0 ✓	514.0 ✓
	Shallow but OK	Shallow but OK

**NOTES**

- GRAVITY SEWER SERVICE TO BASEMENT FLOOR IS POSSIBLE ✓
- TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE ✓

SHANABERGER & LANE  
 8726 TOWN & COUNTRY BLVD.  
 SUITE 107  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7563

BWDG. PERMIT SIGNED  
 AND RETURNED 5-5-89  
 BP25434  
 S. Ullul

TOPOGRAPHICAL SURVEY & SITE PLAN  
 LOT 1  
 MEADOWOOD (PLAT # 1000)  
 HOWARD COUNTY, MD.  
 SCALE: 1" = 40'  
 DATE: MAY 2, 1989