

10/30/89 11:20

03-312267

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 45118
A 38119
DATE 10/26/89
DATE SYSTEM APPROVED 10/30/89
INSPECTOR R/L

David Hopkins & Son IS PERMITTED TO INSTALL ALTER
ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland PHONE 831-7257
SUBDIVISION Meadowood ROAD 1201 Shady Creek Road LOT 11
PROPERTY OWNER Polaris Development
ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 155 feet off the front (195+) lot line and 180 feet off the right (470+) lot line as seen when facing the lot from Shady Creek Drive. Run trenches on contour toward the front 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. OK/CW

PLANS APPROVED BY Sid Abel DATE 4/05/89

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

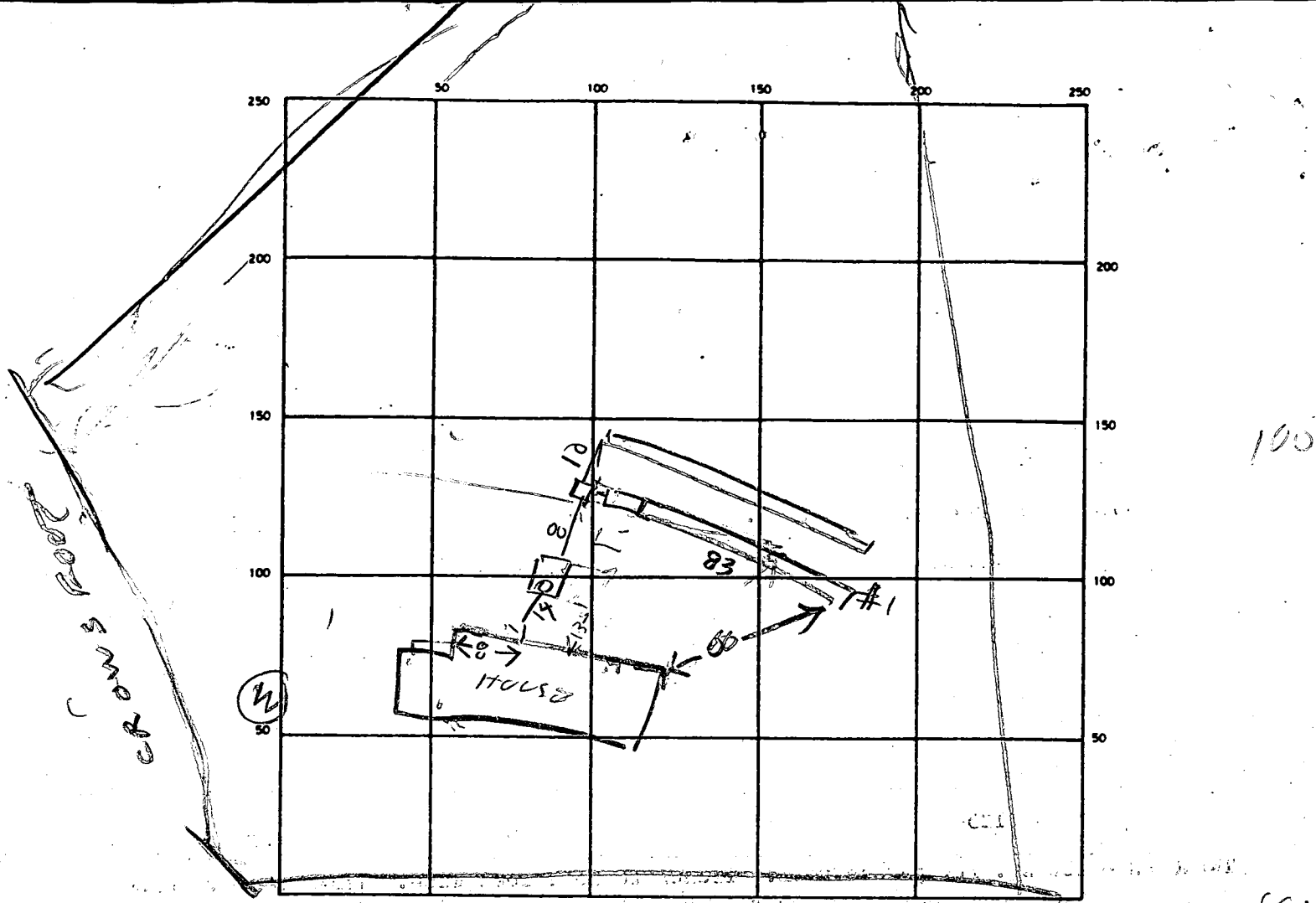
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A
38119



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 SHADY CREEK

SEPTIC TANK LEVEL 1250 CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE FIELD DEPTH $\frac{75}{17}$ FT. TRENCH WIDTH $\frac{11}{2}$ FT. INLET DEPTH $\frac{11}{3}$ FT.

EFFECTIVE GRAVEL DEPTH $\frac{45}{4}$ FT. TOTAL LENGTH $\frac{83}{121}$ FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA $\frac{37}{31} \frac{2}{32}$ (SO FT. 705)

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 10/30/89-130 TRENCH #1 DUG & TANK SET 10/20/89-230
TRENCH #1 FINISHED & TANK TOOK UP TRENCH
#2 DUG. 10/30/89 320 - STONE ADDED TO TRENCH #2

DATE SYSTEM APPROVED 10/30/89 INSPECTOR Raymond Hodges

APPLICATION

PERCOLATION TESTING

A 38119

P _____

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

DISTRICT _____

DATE 11/28/82

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.

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

PROSPECTIVE BUYER N/A Polaris Development

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 12 11

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road
Howard County, Maryland 1201 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 Sedgwick
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Deep Trenches DATE 5-16-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12/3/82 Perc Satisfactory, Hold For Subdivision Plat. S. Abel

BLDG. PERMIT SIGNED
AND RETURNED 5-16-89

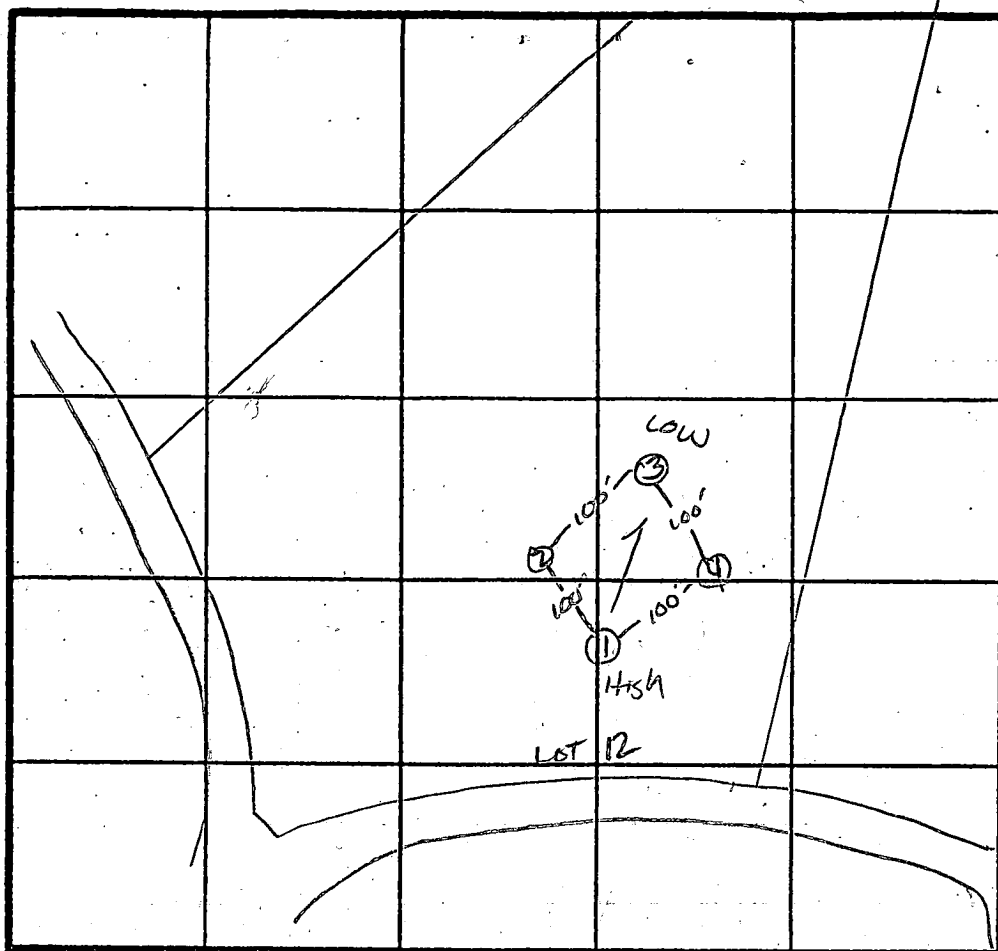
BP 25773 SAJ

THIS IS NOT A PERMIT

SOIL PROFILE

4" A-3
 Yellow BL
 silt loam
 ~9% clay
 <10% frags

3" Tan yellow
 blk silt sand
 loam
 highly
 micaceous
 15-20%
 increasing
 w/ depth
 to 20-30%



\bar{x} PERC
 1 min
 1.60 A/B R
 IN LET 3'
 BOTTOM 7'

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	S	3.5'	12:09	12:10	12:10	12:11	1 MIN
	M	8"	12:09	12:10	12:10	12:11	1 MIN
	V	11'	UNIFORM SOIL below 3"				
	2V	12.5'	UNIFORM SOIL below 3.5'		SAME AS #1		
	3S	3.5"	12:13	12:14	12:14	12:15	1 MIN
	3V	11"	SIMILAR TO #1 w/ MORE FRAGMENT SO ⁺ AT 11"				
	4S	3"	12:18	12:19	12:19	12:20	1 MIN
		11.5"	UNIFORM SOIL below 3"		FRAGMENTS SO ⁺ AT 11.5"		

REMARKS HOLES PER PLAT

TYPE OF SOIL Glenelg

TESTED BY S. Abel

OWNER/ Fyock & Co.

ALSO PRESENT _____

EH-12-1079

OWNER: POLARIS DEVELOPMENT CORPORATION
3414 MORNINGWOOD DRIVE, SUITE 1
OLNEY, MD 20832
301-774-8082

DRAWING SCALE: 1"=60'

LOT INFORMATION: 1201 SHADY CREEK ROAD
WOODSTOCK, MD 21163
LOT: 11 PARCEL: 139 SECTION: 1
SUBDIVISION: MEADOWOOD ZONE: R
ELECTION DIS: 3 TAX MAPS: 10
CENSUS TRACK: 6030

ELEVATIONS

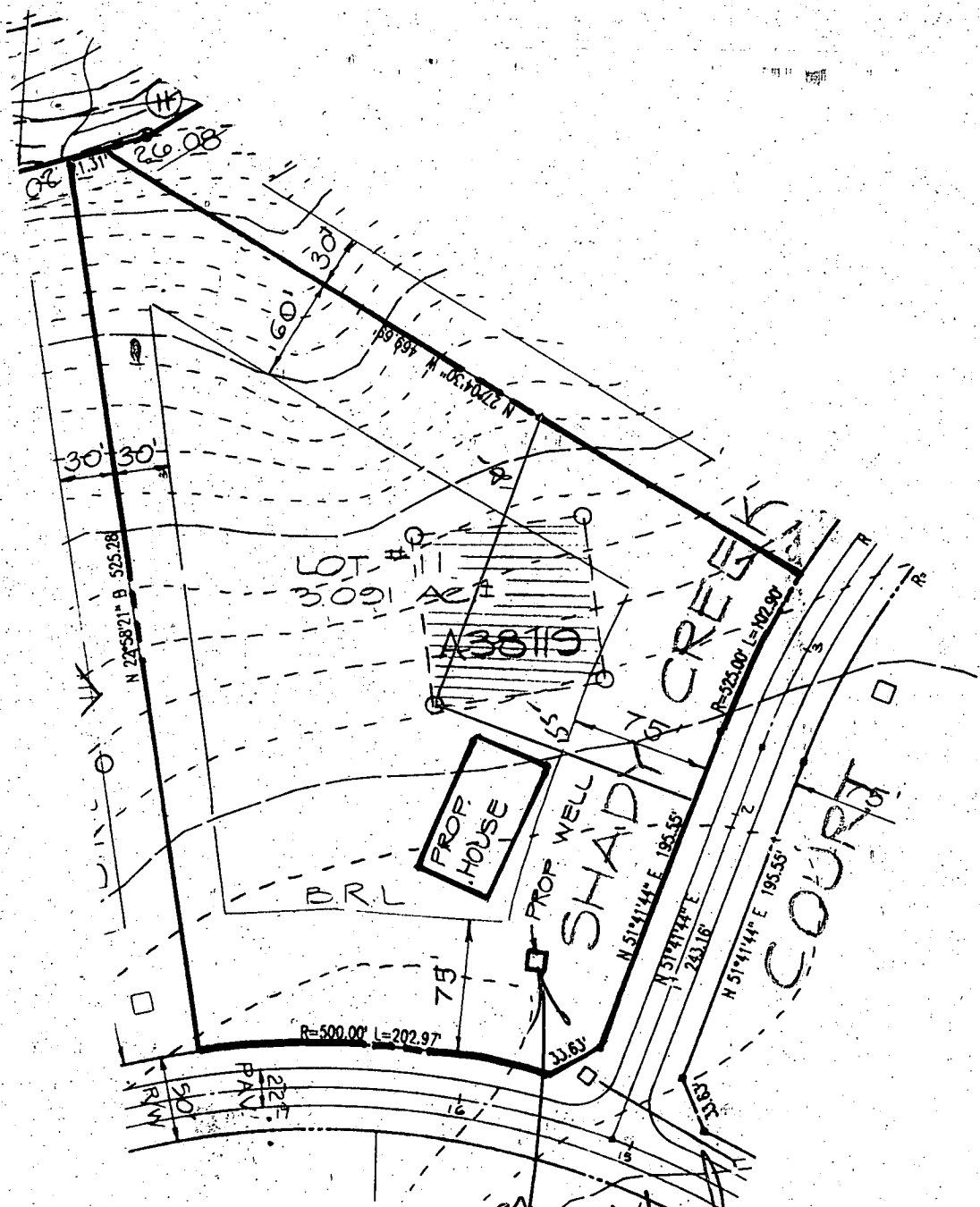
1-Basement elevation:-----	522.50 Ft. ✓
2-First floor elevation:-----	531.50 Ft. ✓
3-Invert out of house:-----	518.97 Ft. ✓ +BSMT
4-Invert into septic tank:-----	518.13 Ft. ✓
5-Invert out of septic tank:-----	517.83 Ft. ✓
6-Invert into trench-----	517.00 Ft. ✓
7-Existing grade at septic tank:--	521.13 Ft. ✓
8-Existing grade at start piont---	520.00 Ft. ✓
9-Elevation of well at grade:-----	535.00 Ft. ✓

DISTANCE FROM HOUSE TO TANK:	20.00 Ft. ✓
DISTANCE FROM TANK TO S.P. :	20.00 Ft. ✓
INVERT AT START PIONT :	3.00 Ft. ✓

BUILDER: POLARIS DEVELOPMENT CORP.
3414 MORNINGWOOD DRIVE
SUITE 1
OLNEY, MD 20832
LICENSE: 2558
PHONE: 301-774-8082

BUDG. PERMIT SIGNED
AND RETURNED 5-16-89

BP 25773
SAC



8/21/87
 site shown
 & ORD as shown
 (B)

RECEIVED
 JUN 30 1987
 L.F. EASTERDAY, INC.

OWNER

SPRING HILL ASSOCIATES
 RUTH H. WESTON
 1427 ROUTE 32
 SYKESVILLE, MD. 21784

DEVELOPER

KOREN DEVELOPMENT CORP. INC.
 5423 WATERCRESS PLACE
 COLUMBIA, MARYLAND 21045

D.S. Thaler & Assoc. Inc.
 CIVIL ENGINEERS - SURVEYORS
 LANDSCAPE ARCHITECTS
 11 WARREN ROAD
 BALTIMORE, MARYLAND 21208
 (301) 484-4100

LOT # 11
MEADOWOOD

SECTION ONE
 TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1" = 100'
 PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1987

C-1 2149

SEQUENCE NO. (OEP 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 38119

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 022189

DEPTH OF WELL 400

PERMIT NO. HO-81-2537

OWNER ASSOCIATES SPRING HILL
STREET OR RFD SHADY CREEK CT/MEADOWOOD ROAD TOWN SYKESVILLE
SUBDIVISION MEADOWOOD SECTION 1 LOT 11

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, FEET TO, Check if water bearing. Includes entries for Top soil, Clay, Shaley, Sand Stone, Mica, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Y)
TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 10 NO. OF POUNDS 1000
GALLONS OF WATER 50
DEPTH OF GROUT SEAL (to nearest foot) from 0 to 36 ft.

CASING RECORD casing types insert appropriate code below
MAIN CASING TYPE (ST) Nominal diameter (6) Total depth of main casing (70)

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

SCREEN RECORD screen type or open hole insert appropriate code below
(ST) STEEL (BR) BRASS (PL) PLASTIC (HO) OPEN HOLE (OT) OTHER

DEPTH (nearest ft.) grid showing depth measurements from 0 to 400 ft.

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"

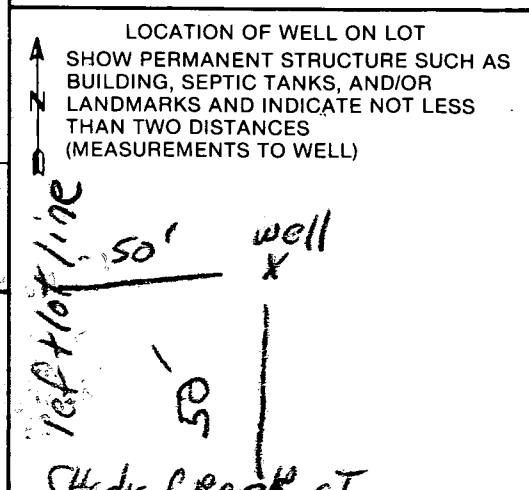
DRILLERS IDENT. NO. 40
DRILLERS SIGNATURE
SITE SUPERVISOR

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 58 WHEN PUMPING 130
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
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 LAND SURFACE (nearest foot) - below



Monday
2-20-89
8:00

Review OK 10/30/89 CW

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2537
 Location of property (road) SHADY CREEK COURT / MEADOWOOD RD.
 Subdivision MEADOWOOD Lot 11 Block _____ Plat _____ Sec. 1
 Well Driller GEORGE EASTRDAY Owner ASSOCIATES, SPRING HILL
HAGON
 Depth of well 400 2 GPM
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 59'

I. High rate pumping -- reservoir drawdown

Time pump started 9:15 Pumping rate 10 G.P.M.
 Total time 15 min to reach pumping water level 130 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	130	20 sec		3
9:45	130	20 sec	Pump	3
10:00	130	20 sec	320'	3
10:15	130	20 sec		3
10:30	130	20 sec		3
10:45	130	20 sec		3
11:00	130	20 sec		3
11:15	130	20 sec		3
11:30	130	20 sec		3
11:45	130	20 sec		3
12:00	130	20 sec		3
12:15	130	20 sec		3
12:30	130	20 sec		3
12:45	130	20 sec		3
1:00	130	20 sec		3
1:15	130	20 sec		3
1:30	130	20 sec		3
1:45	130	20 sec		3
2:00	128	20 sec		3
2:15	128	20 sec		3
2:30	128	20 sec		3
2:45	130	20 sec		3
3:00	130	20 sec		3
3:15	130	20 sec		3

HD-224
5:30 130 20 Sec 3

B 1 2291 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
40-81-2537
fill in this form completely

Date Received 07/14/87
OWNER INFORMATION
SADLING HILL ASSOC.
1432 RT 32
W FRIENDSHIP MD 21794

B 3 LOCATION OF WELL R-39639
HOWARD COUNTY
MEADOWOOD
SECTION 1 LOT 11
SYKESTOWN
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: 7/12/87

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
SHADY CREEK COURT
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 40 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)
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
HOWARD COUNTY NAME A 38119 COUNTY NO.
OEP SIGNATURE B. N. Wilson DATE ISSUED 08/08/88
NORTH GRID 549000 EAST GRID 0820000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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
WRITE THE BOX NUMBER FROM THE MAP HERE
8200
5409

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 DEEPEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
Sketch showing location of well in relation to nearby towns and roads. Includes labels for 'SHADY CREEK COURT', 'HEMINGTON RD', and 'TUNNEL RD'. A well location is marked with an 'X' and a box number '8200'. A note says 'SLACKS CORNER'.

Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE INITIALS IN BOX PERMIT No. 40-81-2537

SPECIAL CONDITIONS

