

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

P 36883

A 31716

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH

~~892-2330~~  
461-9933

05-392829

ELLICOTT CITY

DISTRICT 5th

INDEXED

DATE 5/2/86

Olen Ketterman IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Frederick Road, Woodbine, MD 21797 PHONE 442-1336

SUBDIVISION Dunfretten Estates ROAD 13710 Pasture Green LOT 3

PROPERTY OWNER Paul Kushneider New Home 854-0912

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES \_\_\_\_\_ NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4.5 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION: Place the distribution box 140 feet from the front (353.70') lot line and 80 feet from the right (508.19') lot line as seen when facing the lot from Pasture Green Road. Run trenches on contour toward left (481') lot line.

NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK TO INSTALL 1 TRENCH 108' LONG WITH 5' STONE.  
BOTTOM MAXIMUM 9 1/2' CW.

PLANS APPROVED BY S. Abel DATE 1/13/85

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE 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.

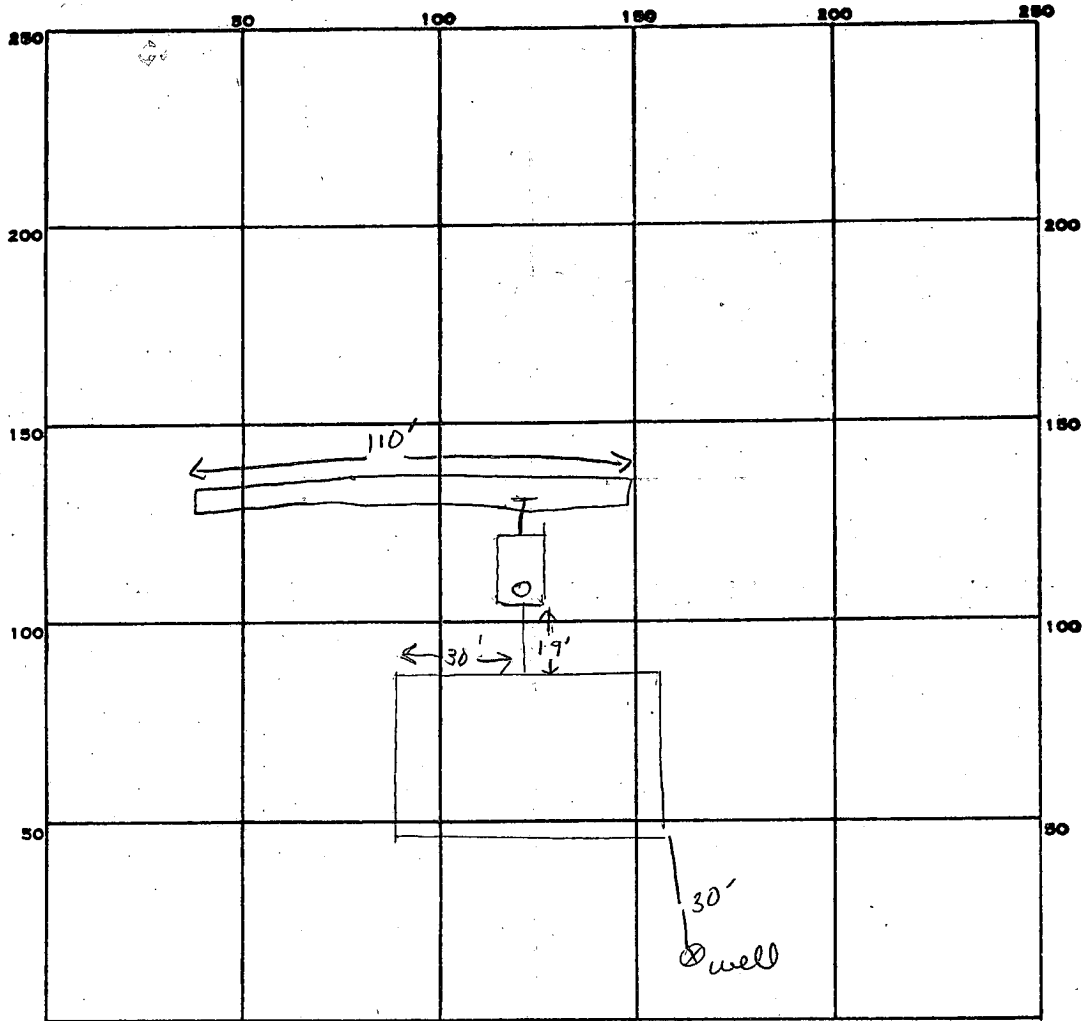
EDG. PERMIT SIGN  
AND RETURNED 5/25/89  
Serial #26057 deck

A 31716

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

\*CALL 892-3330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

*Pasture green*

*280  
3  
540*

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS *ST*

DISTRIBUTION BOX, LEVEL *11-11*

TILE FIELD, DEPTH *9.5'* FT. TRENCH WIDTH *2* FT. INLET *4.5'*

GRAVEL DEPTH *5Fe* IN. TOTAL LENGTH *110'* FT.

NUMBER OF TRENCHES *1* ONE SIDE WALL TOTAL BOTTOM AREA *550* ~~sq~~

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA *550* SQ. FT.

REMARKS *1/14/86 OK to cover pipe to septic tank. js*

DATE SYSTEM APPROVED *1-28-86*

INSPECTOR *S. Abel*

SUBDIVISION: Dunfretten  
ESTATES  
PASTURE GREEN

LOT NUMBER: 3

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet \_\_\_\_\_ feet below original grade.  
Bottom maximum depth \_\_\_\_\_ feet below original grade.  
Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 2 wide.  
Inlet 4.5 feet below original grade.  
Bottom maximum depth 9 feet below original grade.  
Effective area begins at 4.5 feet below original grade.  
4.5 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX 140 FT FROM THE FRONT  
(353.70') LOT LINE AND 80 FT FROM THE RIGHT (508.19')  
LOT LINE AS SEEN WHEN FACING THE LOT FROM PASTURE  
GREEN Rd. RUN TRENCHES ON CONTOUR TOWARD LEFT  
(481') LOT LINE. S.A.W.R

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

A 31716

P \_\_\_\_\_

DISTRICT 5th

DATE 11/24/87

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 ~~S. Turner Nichols and James S. Nichols~~ Paul Kushmeider

ADDRESS 13270 Triadelphia Mill Road PHONE 286-2993  
Clarksville, Md. 21029

PROPERTY LOCATION:

SUBDIVISION Dunfretten Estates - Triadelphia Mill Road LOT NO. Lot # 3

# 13710  
ROAD AND DESCRIPTION Pasture Green (Macadam)

SIZE OF LOT 3 Acres TYPE BLDG. \_\_\_\_\_ (NUMBER OF BEDROOMS) \_\_\_\_\_

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.

S. Turner Nichols - James S. Nichols  
(SIGNATURE OF APPLICANT)

APPROVED BY Raymond Hodger FOR Dry Well Trend DATE 5/3/83

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

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

REASONS FOR REJECTION OR HOLDING 5/3/83 spec written separate sheet BH D.P. 66569

# THIS IS NOT A PERMIT



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

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

191

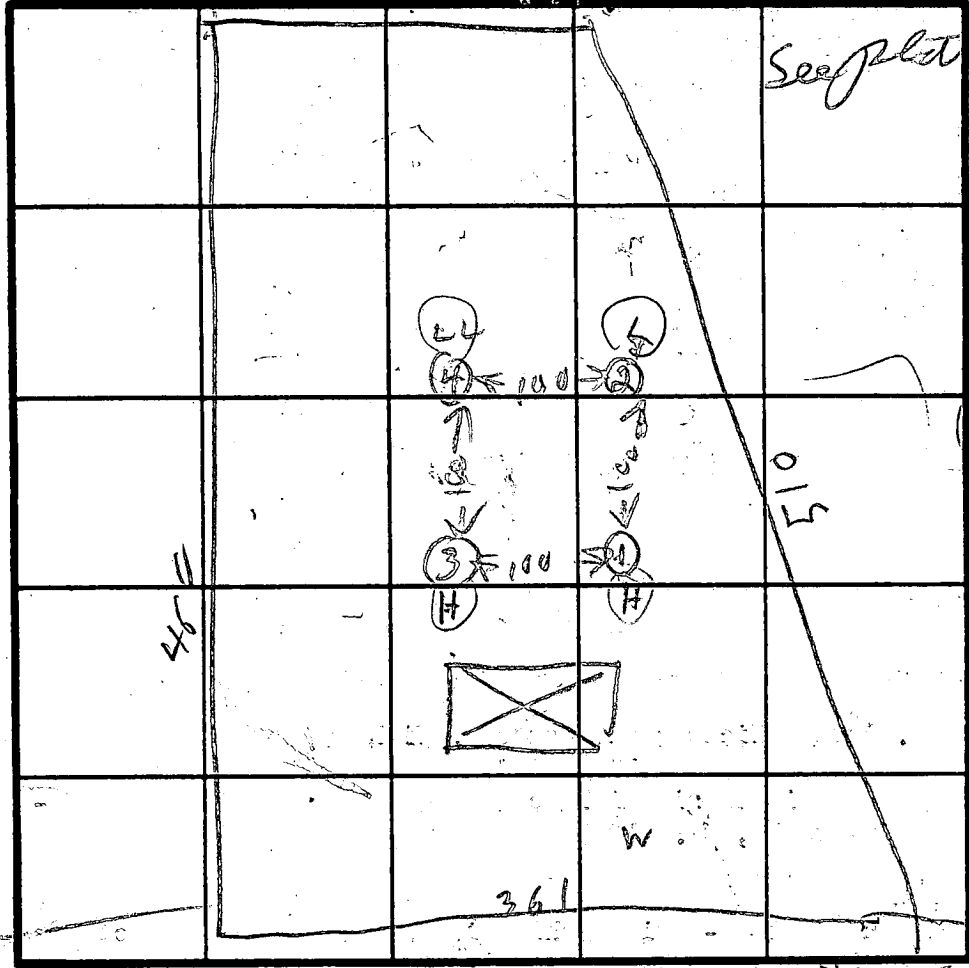
See plot

#3

HOLE ELEVATIONS

(H) = HIGH  
(L) = LOW  
(LL) = LOWEST

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PROPOSED RD

TO Philadelphia Mills

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
12/2/61	19	6	232	234	234	240	6.
	10	10	232	240	240	240	8.
	11	13	TOP	5 FT	CLAY		
			BOT	8 FT	SANDY	DRY	
	20	6	235	238	238	300	22
	20	10	236	241	241	256	15
			TOP	5 FT	CLAY		
			BOT	7 1/2 FT	SANDY	DRY	
	30	5	257	259	259	302	3
	30	9 1/2	258	259	259	302	3
			TOP	4 FT	CLAY		
			BOT	9 FT	SANDY	DRY	
	40	5 1/2	316	318	318	340	22
	40	9	316	317	317	318	1
			TOP	4 1/2	CLAY		
			BOT		SANDY		

as time 0  
max depth 1 1/2

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

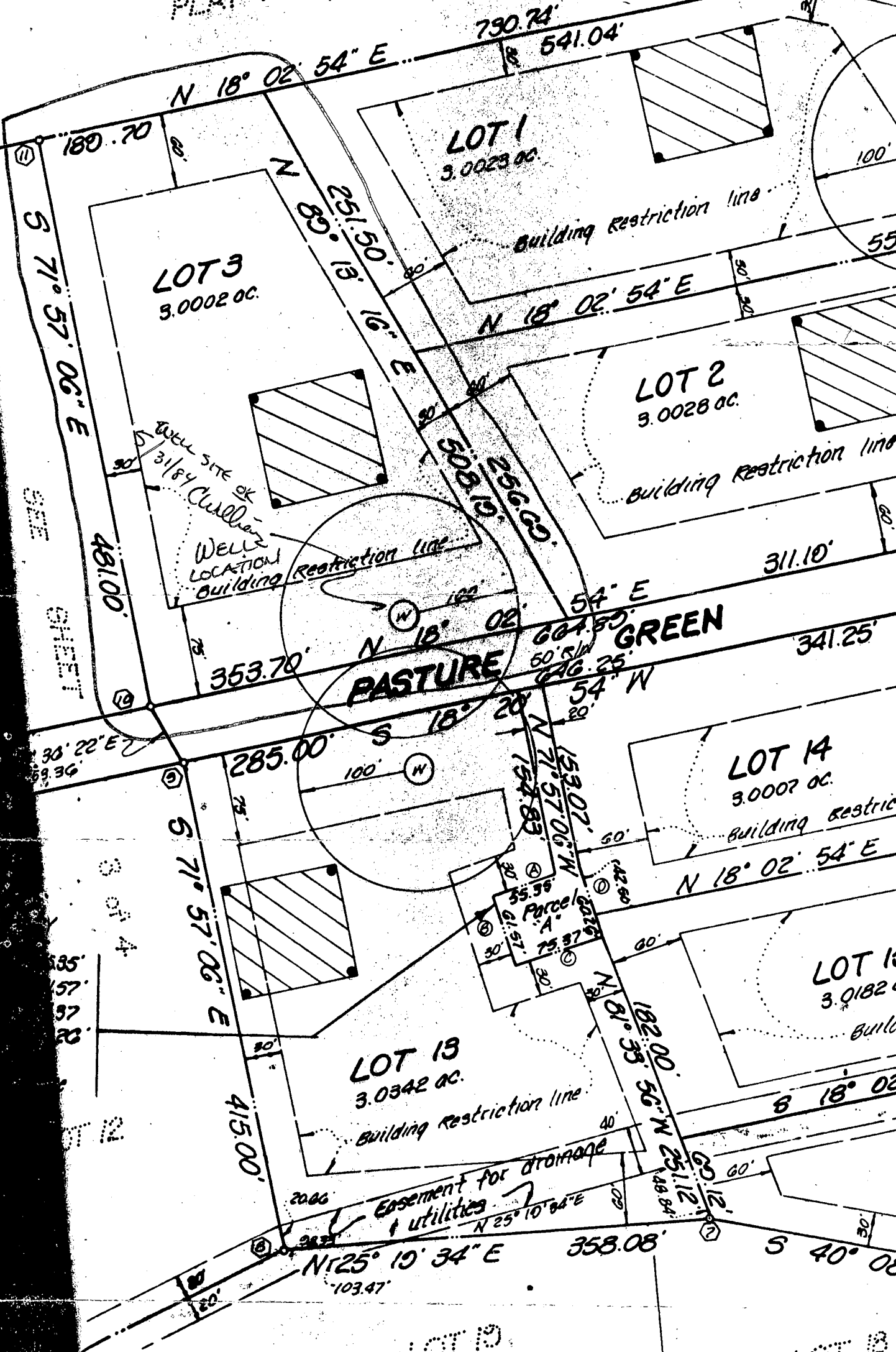
TESTED BY R. Hodges

ALSO PRESENT ORNDORF  
T NICHOLS

EH-12-1079

LOT 1 ZEBERLEIN  
PROPERTY  
PLAT No 3404

E 801.800  
504.100 N  
E N 44° 17' 34" E  
C 56.40'



LOT 3  
3.0002 ac.

LOT 1  
3.0023 ac.

LOT 2  
3.0028 ac.

PASTURE GREEN

LOT 14  
3.0007 ac.

LOT 13  
3.0342 ac.

LOT 15  
3.0182 ac.

REGULATION LOTS 1-3 & 13-16

LOT 19

LOT 18

B 1 1598 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

40-81-0569 fill in this form completely

Date Received 4/22/84 - 9:30 AM  
052189 OWNER INFORMATION

DETULLIIS ROBERT J

30318 THUNDERHEAD WAY

GERMANTOWN MD 20874

DRILLER INFORMATION  
GEORGE F. EASTERDAY 40

L.F. EASTERDAY, Inc.

9265 Brown Church Rd. Mt. Airy, MD. 21771

George J. Easterday 5/18/84

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

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)

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

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
THIS WELL WILL DEEPEAN AN EXISTING WELL

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

APPROX. PERMIT NUMBER GAP

FORCE PS PERMIT NO. 40-81-0569

SPECIAL CONDITIONS

LOCATION OF WELL

HOWARD COUNTY

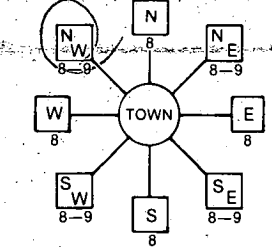
DUNFRETTE EST. SUBDIVISION

SECTION LOT 3

HIGHLAND NEAREST TOWN

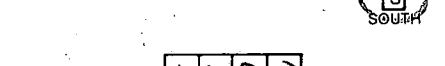
MILES FROM TOWN (enter 0 if in town) 2 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



TRIDELPHIA Mill Road NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 1000

ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NO. A31716

OEP SIGNATURE DATE ISSUED

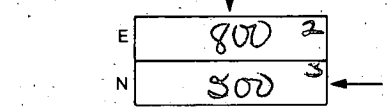
053187 CO SIGNATURE EXP. DATE

NORTH GRID 502000 EAST GRID 0802000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

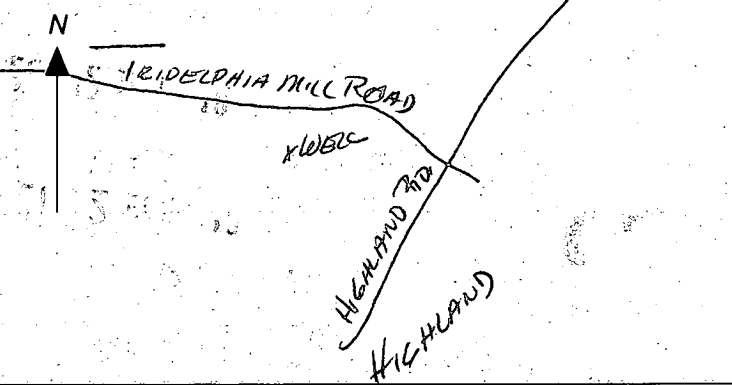
- SOURCES OF DRILLING WATER
1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



Location OK
71' CASING
3' AB CR.
42' OPEN
12 BAG CEMENT
well
6/22/84 CW

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





C1 3273

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. 3-8 ON ALL CARDS)

COUNTY NUMBER A 31716

DATE RECEIVED

DATE WELL COMPLETED 062284

DEPTH OF WELL 240 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0569

OWNER DETULIUS ROBERT last name first name STREET OR RFD TRINITY RD TOWN HIGHLAND SUBDIVISION DUNFRETEN ESTATES SECTION LOT 3

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes entries for topsoil, Red clay, brown mica schist, gray mica, brown mica schist, Gray mica, Gray mica w/quartz, Gray mica.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC. NO. OF BAGS 12, NO. OF POUNDS 200. GALLONS OF WATER 65. DEPTH OF GROUT SEAL 38 ft.

CASING RECORD. MAIN CASING TYPE ST 6. Nominal diameter 6 inch, Total depth of main casing 71 feet.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD. SCREEN TYPE ST. DEPTH (nearest ft.) 69.

DEPTH (nearest ft.) table with columns 1-51. Values: 1-9: 0, 10-15: 69, 16-21: 240.

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 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

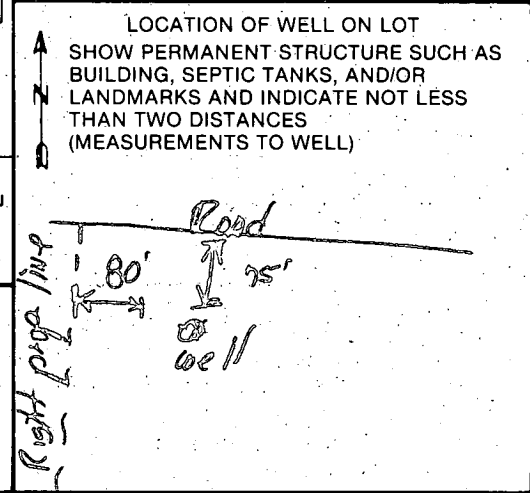
DRILLERS IDENT. NO. 40. DRILLERS SIGNATURE: Robert K. Neuber. SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

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 3. PUMPING RATE 0. METHOD USED TO MEASURE PUMPING RATE: Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 38, WHEN PUMPING 131. TYPE OF PUMP USED: 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, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.







WELL PUMP INSPECTION

Owner's Name: Paul Kuschmeider

Address:

Location of Property:

13710 Pasture Green Lot # 3 Parcel 1 Well Tag Number;

Charlottesville 21209 Dunfretten Estates

Plumber or Certified Pump Installer:

Phone Number: 288-3080

License Number: 2214

Receipt Number:

Date: 12/10/85

36344

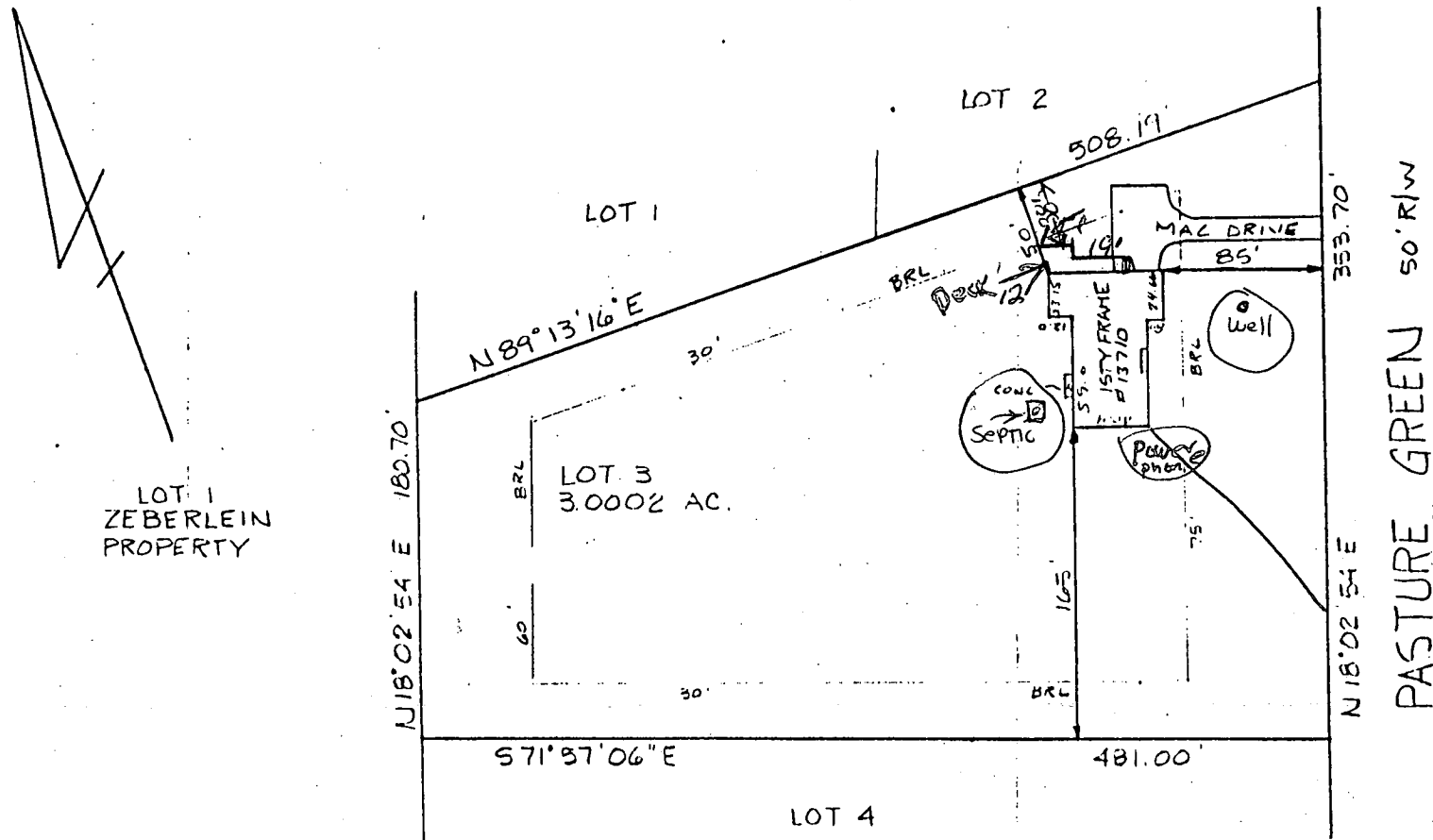
Comments:

OK to Proceed

Inspection: Pitless at 4 1/2' below grade  
line installed - OK to cover 11/4/86 JS  
No work completed inside house.

Date Well Pump Inspection was approved:

Inspector:



LOT 1  
ZEBERLEIN  
PROPERTY

# LOCATION SURVEY

13710 PASTURE GREEN  
5<sup>TH</sup> ELECTION DISTRICT  
HOWARD COUNTY, MD.

THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS ARE  
CONTAINED WITHIN THE OUTLINES OF THE LOT AND  
IS NOT TO BE USED TO ESTABLISH PROPERTY LINES.

NTT ASSOCIATES INC. 16205 OLD FREDERICK ROAD  
MT. AIRY, MARYLAND PHONE 646-5521 or 442-2031

SCALE 1"=100'	FIELD BY JCH	DRAWING NUMBER
DATE 5/29/86	DRAWN BY RIK	KD 1



This is to certify that I have surveyed the property known as lot # 3  
MINFRETEN ESTATES  
sheet 2 of 4 recorded RECORDED AS PLAT 445401 among the  
land records of HOWARD County, Maryland for the purpose  
of locating the improvements thereon.

*James C. Hudgins*

James Carl Hudgins PLS #96