

10/15/99 REPLY

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 512743

A 42619

DISTRICT \_\_\_\_\_

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

352394  
INDEXED

DATE 9/30/1999

DATE SYSTEM APPROVED 12/16/99

INSPECTOR M. R. P. K. in

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 580 Obrecht Road, Sykesville, Maryland 21784 PHONE 410-795-5670

SUBDIVISION Warfield's Grant LOT 15 ROAD 16007 Pheasant Ridge Court

PROPERTY OWNER JST Builders

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 130 feet off the left side line and 130 feet off the 270' lot line as seen from the pipestem off Pheasant Ridge Court. Run trenches along contour towards the 270' 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 5/19/99 DS*

PLANS APPROVED BY Donna K. Soe REVISED DATE 5-13-1999

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

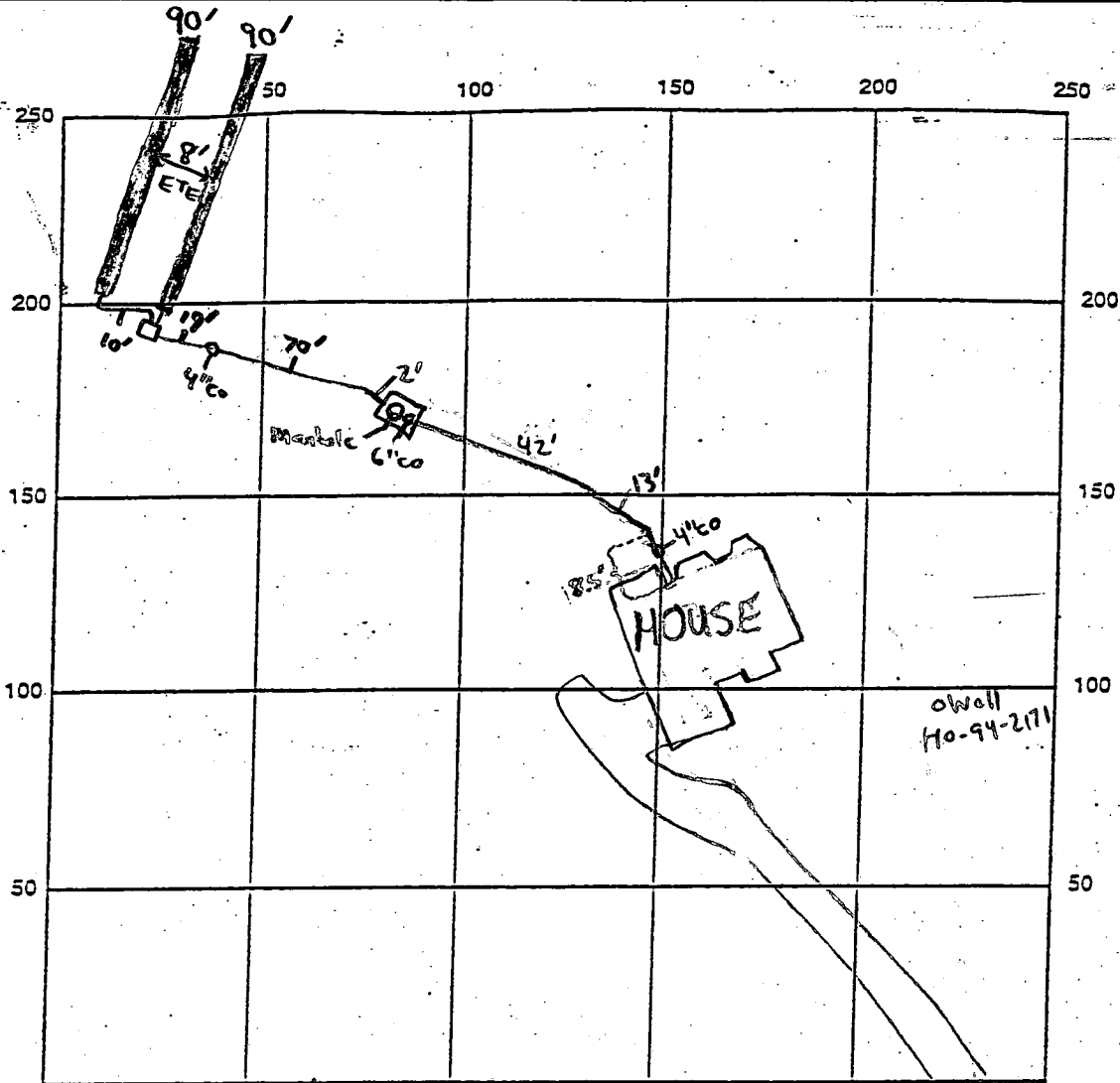
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A 42619



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
**PHEASANT RIDGE COURT**

SEPTIC TANK LEVEL 1250 gallon midseam tank CLEANOUTS 6" & Manhole on Tank, 4" in line

DISTRIBUTION BOX LEVEL Raffle is in

DRAIN FIELD/TITLE DEPTH 7.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 10/13/99 - OK TO COVER ALL WORK, HOUSE CONNECTION STILL NEEDED

BUILDER NOTIFIED BY MAIL (HAND DELIVERED) SRK

12/16/99 HOUSE CONN OK: (MR)

DATE SYSTEM APPROVED 12/16/99

INSPECTOR M. Ripkin

# APPLICATION

PERCOLATION TESTING

A 42619

P \_\_\_\_\_

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

DISTRICT 4<sup>TH</sup>

8-05-88ATE \_\_\_\_\_

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 Mr. Robert M. Warfield JST Builders

ADDRESS 2425 Daisy Road, Woodbine, Md. 21797 PHONE \_\_\_\_\_

PROSPECTIVE BUYER Carman Associates

ADDRESS P.O. Box 122, Ellicott City, Md. PHONE 854-6797

PROPERTY LOCATION:

SUBDIVISION Warfields Grant LOT NO. 15

ROAD AND DESCRIPTION West Side Daisy Road (16007 PHEASANT RIDGE COURT)

TAX MAP 13 PARCEL # 128

SIZE OF LOT 3 acres

ENC. PERMIT SIGNATURE  
AND RETURNED 5-13-99  
Serial # 4310117267  
SFD  
- 4Bim

TYPE BLDG. \_\_\_\_\_  
(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.

Philip R. Margolis  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

REASONS FOR REJECTION OR HOLDING 10/27/88 Pure Satisfactory - Hold for PERC. Serial

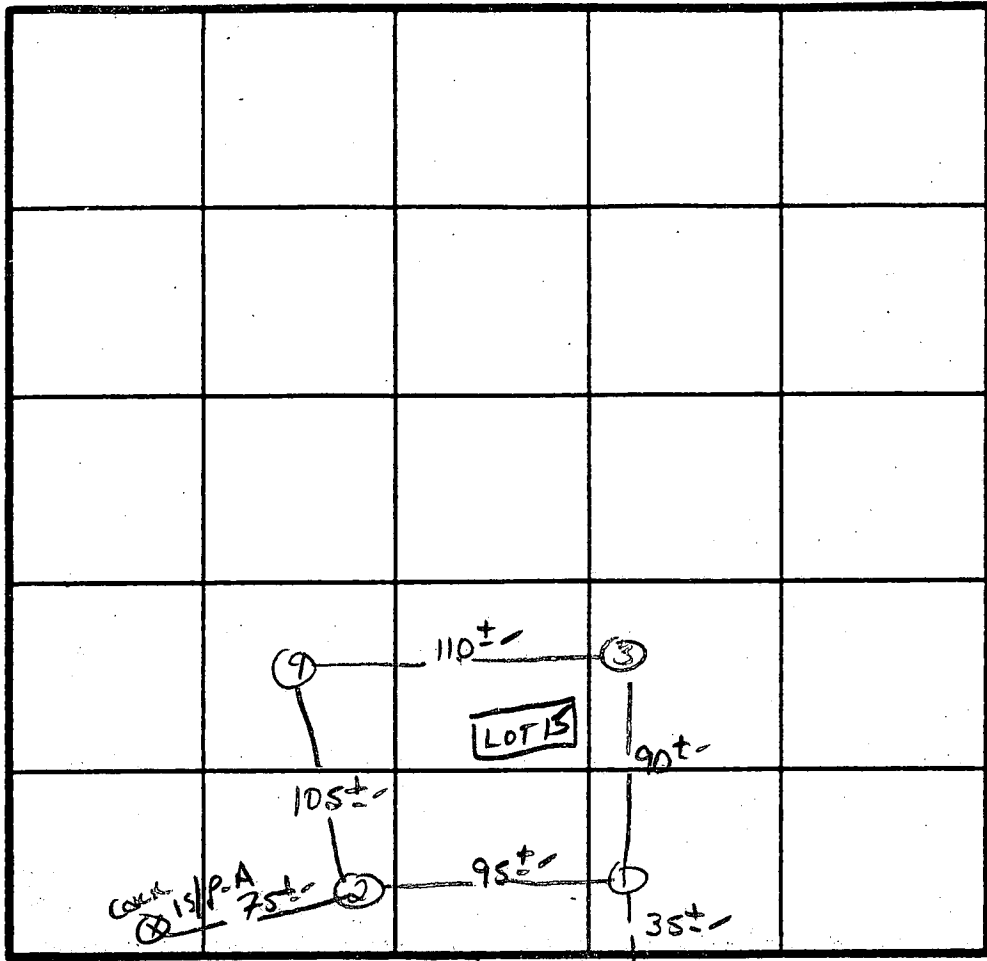
HD-216

# THIS IS NOT A PERMIT

A-42619

SOIL PROFILE

6"  
 3-  
 4-  
 AD  
 Yellow BR  
 Silty CLAY  
 Worm  
 10-15%  
 Feoxy  
 Light yellow  
 BR.  
 w/ pink  
 cast  
 Silty worm  
 15-30%  
 Feoxy



X Perc  
 Smin  
 180# BR  
 INLET 2.5"  
 BOTTOM 7.5"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/27/88	1S	3.5	2:37	2:39	2:39	2:42	3min	
	1V	12"	similar to Profile					
	2S	4"	2:35	2:36	2:36	2:39	3min	
	2V	12.5"	AS profiled					
	3S	4"	2:41	2:43	2:43	2:47	4min	
	3V	12"	similar to Profile					
	4S	4"	2:37	2:42	2:42	2:52	10min	
	4M	8"	2:36	2:37	2:37	2:39	2min	
	4V	13"	similar to Profile					

REMARKS APPAX TO PLAT

TYPE OF SOIL Glenely

TESTED BY S. Abel ALSO PRESENT Phil, Andrews  
C. Cissel





C1 1650 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. COUNTY NUMBER A 42619

ST/CO USE ONLY DATE Received MM DP YY

DATE WELL COMPLETED MM DD YY 3 18 99 Depth of Well 22 305 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94-2171

OWNER Sotak John STREET OR RFD Pleasant Ridge Ct TOWN Luban Md SUBDIVISION Warfield Grant SECTION LOT 15

WELL LOG Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Entries: Brown Shale 0-87, Blue Rock 87-305.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL (C) MENTONITE CLAY (B) C NO. OF BAGS 30 NO. OF POUNDS 2820 GALLONS OF WATER 180 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 80 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 91

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

SCREEN RECORD screen type or open hole insert appropriate code below (S) T (B) R (H) O (P) L (O) T

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

- 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 LIC. NO. 1 MSD024 DRILLERS SIGNATURE Joseph L. Mayne LIC. NO. 1 MSD027 SITE SUPERVISOR SIGNATURE Larry Mayne

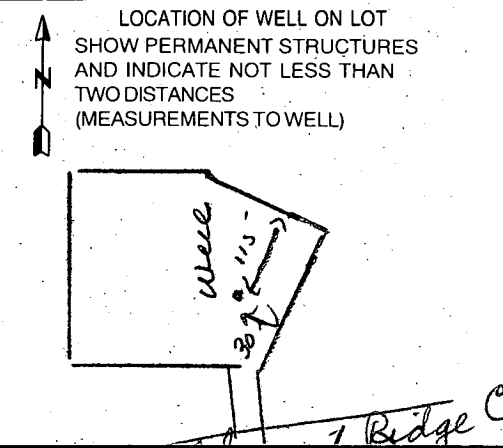
DEPTH (nearest ft.) HO 89 305 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 5.5 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 43 ft. WHEN PUMPING 175 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above ( ) below LAND SURFACE 2 (nearest foot)



B 1 **4033** SEQUENCE NO. (MDE USE ONLY)  
 1 2 3 6

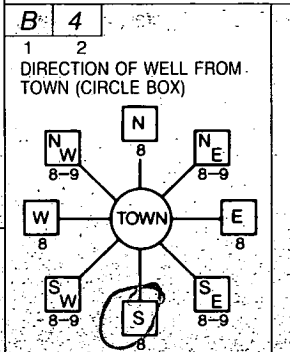
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-94-2171**  
 70 fill in this form completely 79

Date Received (APA) **02 22 99**  
 8 MM DD YY 13  
 OWNER INFORMATION  
 15 Last Name **Sotak** Owner **John** First Name 34  
 36 Street or RFD **7601 Colony Ave.** 55  
 57 Town **Ranney** 70 State **MD** 72 Zip **20709** 76

B 3 LOCATION OF WELL  
 8 COUNTY **Howard** 21  
 23 SUBDIVISION **Warfields Grant** 42  
 SECTION **49** 46 LOT **15** 48 50  
 52 NEAREST TOWN **Lushton** 71  
 MILES FROM TOWN (enter 0 if in town) **5** M 73 76 77 78

DRILLER INFORMATION  
 Driller's Name **Joseph L. Maize** MS DO 24 76 License No. 81  
 Firm Name **Joseph L. Maize Well Drilling**  
 Address **5512 Ridge Rd. Mt. Airy Md 21771**  
 Signature **Joseph L. Maize** Date **2/16/99**



**Pheasant Ridge Ct.**  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  EAST   
 WEST  SOUTH   
 34 **400** 37 DISTANCE FROM ROAD **FT**  
 ENTER FT OR MI 38 39  
 TAX MAP \_\_\_\_\_ BLK \_\_\_\_\_ PARCEL \_\_\_\_\_

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)  
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 I INDUSTRIAL, COMMERCIAL, DEWATERING  
 P PUBLIC WATER SUPPLY WELL  
 T TEST, OBSERVATION, MONITORING  
 G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
 COUNTY NAME **Howard CO** COUNTY NO. **A42619**  
 STATE SIGNATURE \_\_\_\_\_ INSERT S →  
 DATE ISSUED **030299** **A McMill** **3/2/00**  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE  
 NORTH GRID **530 000** EAST GRID **780 000**  
 50 55 57 63

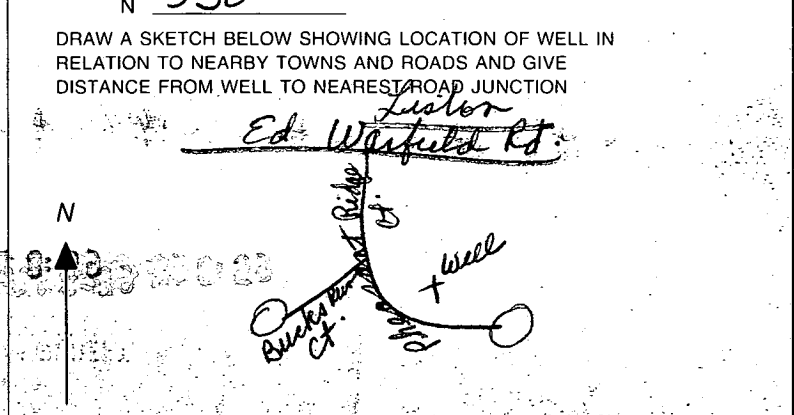
APPROXIMATE DEPTH OF WELL **300** FEET 24 28  
 APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST INCH

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 **780**  
 N **530**

**3/18/99 9:00**  
**No Insp**

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)  
 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-CONTACT' LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 D 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 (MDE OR COUNTY USE ONLY)  
 APPROP. PERMIT NUMBER 54 \_\_\_\_\_ 63  
 PERMIT No. **HO-94-2171**  
 70 71 72 73 74 75 76 77 78 79

100

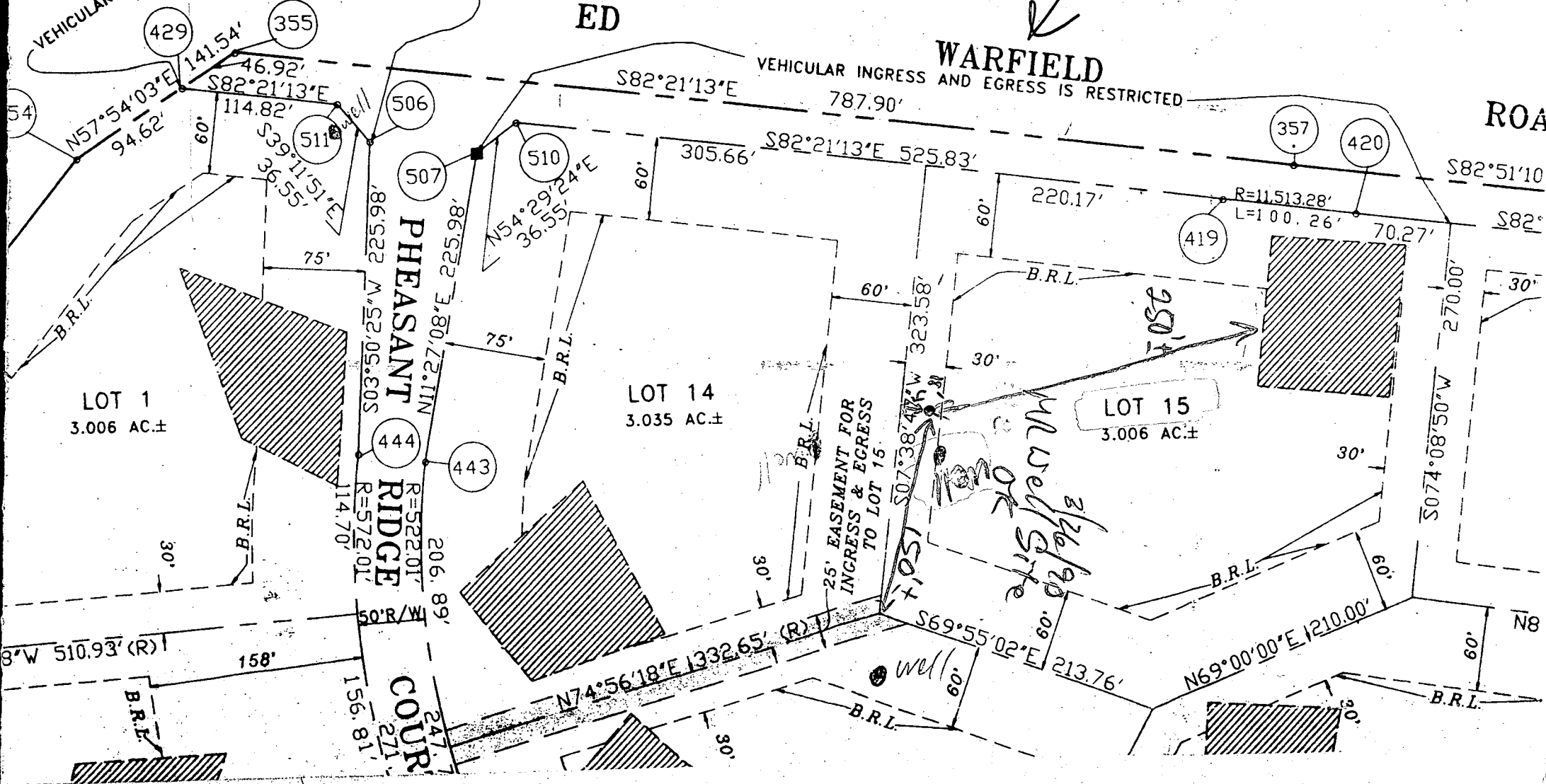
VEHICULAR INGRESS AND EGRESS IS RESTRICTED

ED

WARFIELD

VEHICULAR INGRESS AND EGRESS IS RESTRICTED

ROAD



LOT 1  
3.006 AC.±

LOT 14  
3.035 AC.±

LOT 15  
3.006 AC.±

PHEASANT  
RIDGE

COURSE

25' EASEMENT FOR  
INGRESS & EGRESS  
TO LOT 15

WELL SITE  
3/26/90

well

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

R=522.01'  
R=572.01'

R=11,513.28'  
L=100.26'

N57°54'03"E 141.54'  
S82°21'13"E 46.92'  
S82°21'13"E 114.82'  
S39°11'51"E 36.55'

S82°21'13"E 787.90'  
S82°21'13"E 525.83'  
N54°29'24"E 36.55'

S82°51'10" 70.27'  
S82° 70.27'  
R=11,513.28'  
L=100.26'

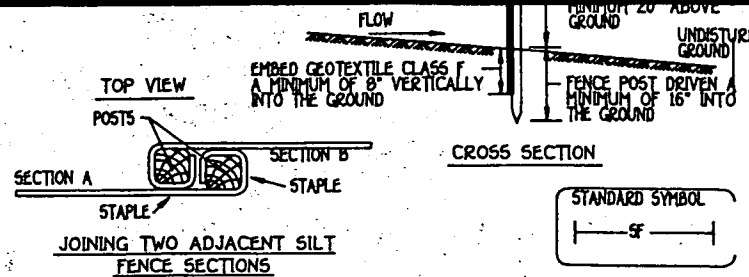
30° W 510.93' (R)  
158'  
156.81'  
247'  
271'

N74°56'18"E 1332.65' (R)  
S69°55'02"E 213.76'  
N69°00'00"E 1210.00'

S074°08'50"W 270.00'

N8

through April 30, and August 1 through  
 lbs. per acre (2.3 lbs./1,000 Sq. Ft.)  
 for the period May 1 through July 31,  
 lbs./1,000 Sq. Ft.) Kentucky 31 Tall  
 (0.05 lbs./1,000 Sq. Ft.) of weeping  
 of October 16 through February 28.  
 - two tons per acre of well anchored  
 soon as possible in the spring; option  
 - seed with 100 lbs./acre Kentucky 31 Tall fescue  
 acre well anchored straw. All slopes should be



**Construction Specifications**

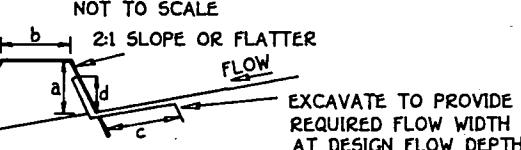
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 

Tensile Strength	50 lbs/in (min)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min)	Test: MSMT 509
Flow Rate	0.3 gal ft <sup>2</sup> /minute (max)	Test: MSMT 322
Filtering Efficiency	75% (min)	Test: MSMT 322
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

**SILT FENCE**  
 NOT TO SCALE

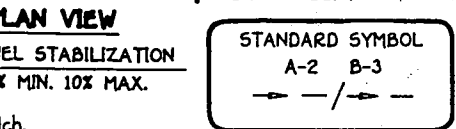
and make needed repairs, replacements  
 and 1/2 lbs/acre as the seeding requirement.  
 mixture is March 1 to April 30.  
 as topsoil must meet the following:  
 loam, silt loam, sandy clay loam, loamy sand  
 by an agronomist or soil scientist and approved by the  
 topsoil shall not be a mixture of contrasting  
 in 5% by volume of cinders, stones, slag, coarse  
 other materials larger than 1-1/2" in diameter.  
 such as Bermuda Grass, Quackgrass,  
 or others as specified.  
 composed of heavy clays, ground limestone shall be  
 100-400 pounds/1,000 Sq. Ft.) prior to the placement  
 evenly over designated areas and worked into the soil  
 described in the following procedures.  
 amendments as specified in 20.0 vegetative stabilization-  
 methods and Materials.

**EARTH DIKE**  
 NOT TO SCALE



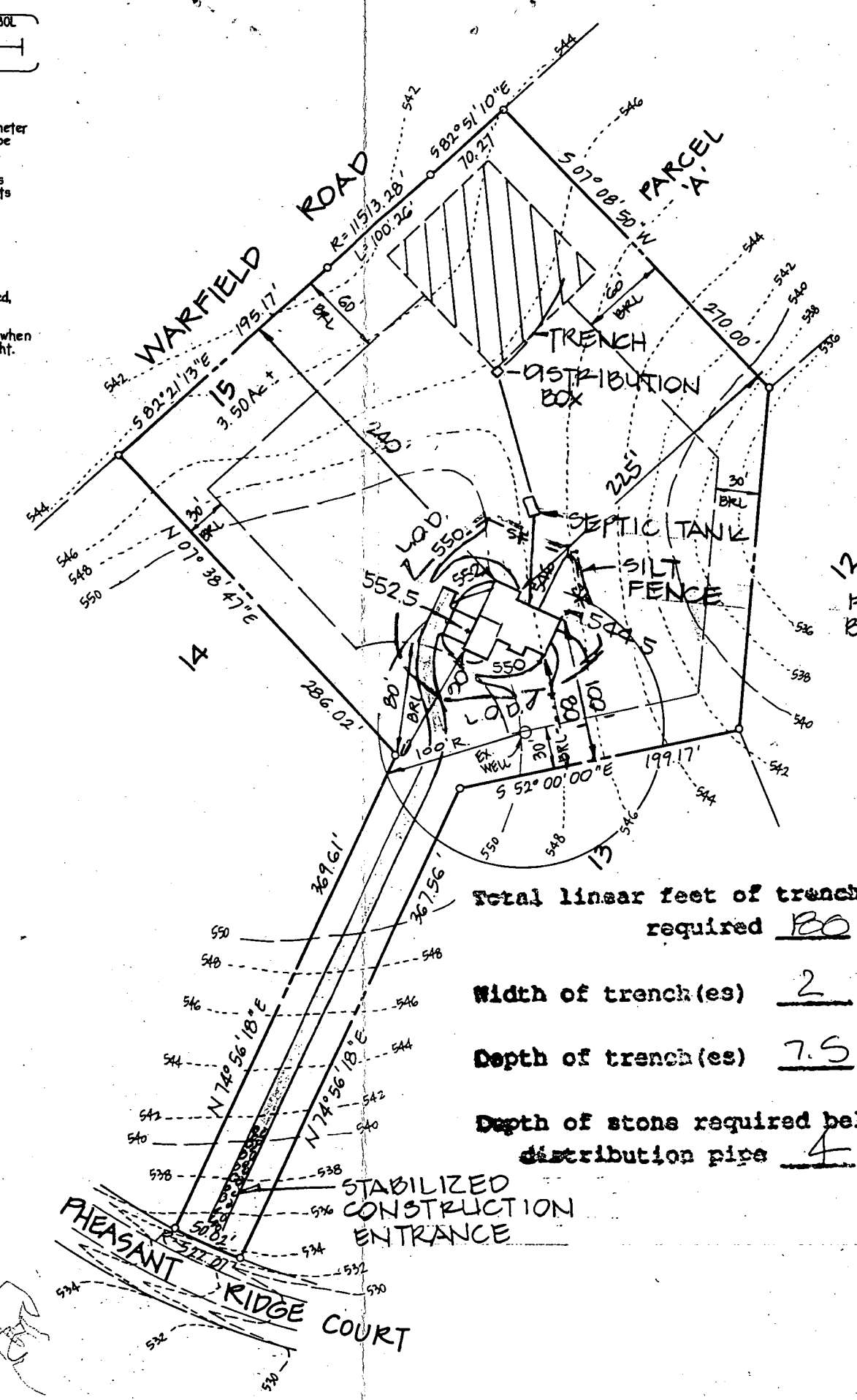
**CROSS SECTION**

	DIKE A	DIKE B
a-DIKE HEIGHT	18"	30"
b-DIKE WIDTH	24"	36"
c-FLOW WIDTH	4'	6'
d-FLOW DEPTH	12"	24"



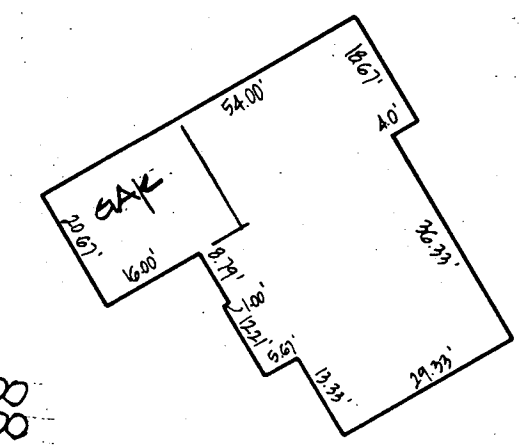
Control Matting or line with sod.  
 concrete equivalent pressed into

**Construction Specifications**  
 shall have uninterrupted positive grade to  
 may be necessary for grades less than 1%.  
 disturbed area shall be conveyed to a  
 disturbed area shall outlet directly into  
 a at a non-erosive velocity.  
 structures, and other objectionable  
 and disposed of so as not to interfere  
 of the dike.  
 or shaped to line, grade and cross  
 the criteria specified herein and be  
 other irregularities which will impede



**GENERAL NOTES**

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 554.00  
 B. BASEMENT ELEVATION: 545.00  
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 541.80  
 D. INVERT IN AT SEPTIC TANK: 546.80  
 E. INVERT OUT AT SEPTIC TANK: 546.50  
 F. PROPOSED GRADE OVER SEPTIC TANK: 548.00  
 G. INVERT AT DISTRIBUTION BOX: 543.50  
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 547.00
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.



12  
 FF 554.00  
 BE 545.00

**FOOTPRINT**  
 1" = 30'

Approved Septic System Plan  
 Howard County Health Department

Total linear feet of trench required 180 feet  
 Width of trench(es) 2 feet  
 Depth of trench(es) 7.5 feet  
 Depth of stone required below distribution pipe 4 feet.

*[Handwritten signatures and dates]*  
 5/30/09

PLAN TO ACCOMPANY APPLICATION  
 FOR BUILDING PERMIT  
 # B00117261  
 LOT 15