

10/31/94
Final
9/0
signature

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 50340 C

A 42611

DISTRICT 4th

DATE 10/14/94

DATE SYSTEM APPROVED 10/31/94

INSPECTOR M. Rifkin

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

Adamson Plumbing & Heating

IS PERMITTED TO INSTALL ALTER

ADDRESS 7825 McCellan Avenue, Boonsboro, Maryland 21713 PHONE 301-416-3968

SUBDIVISION Warfields Grant LOT 7 ROAD 16009 Misty Knoll Court

PROPERTY OWNER Jamestown Builders / RUSSETT

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

352300

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 130 feet down the right (305') lot line and 75 feet off this same lot line as seen when facing the lot from Misty Knoll Court. Run trenches on contour towards the right 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 10/13/94 DKS

PLANS APPROVED BY Sid Abel/Donna Soe REVISED _____ DATE 10/13/94

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.

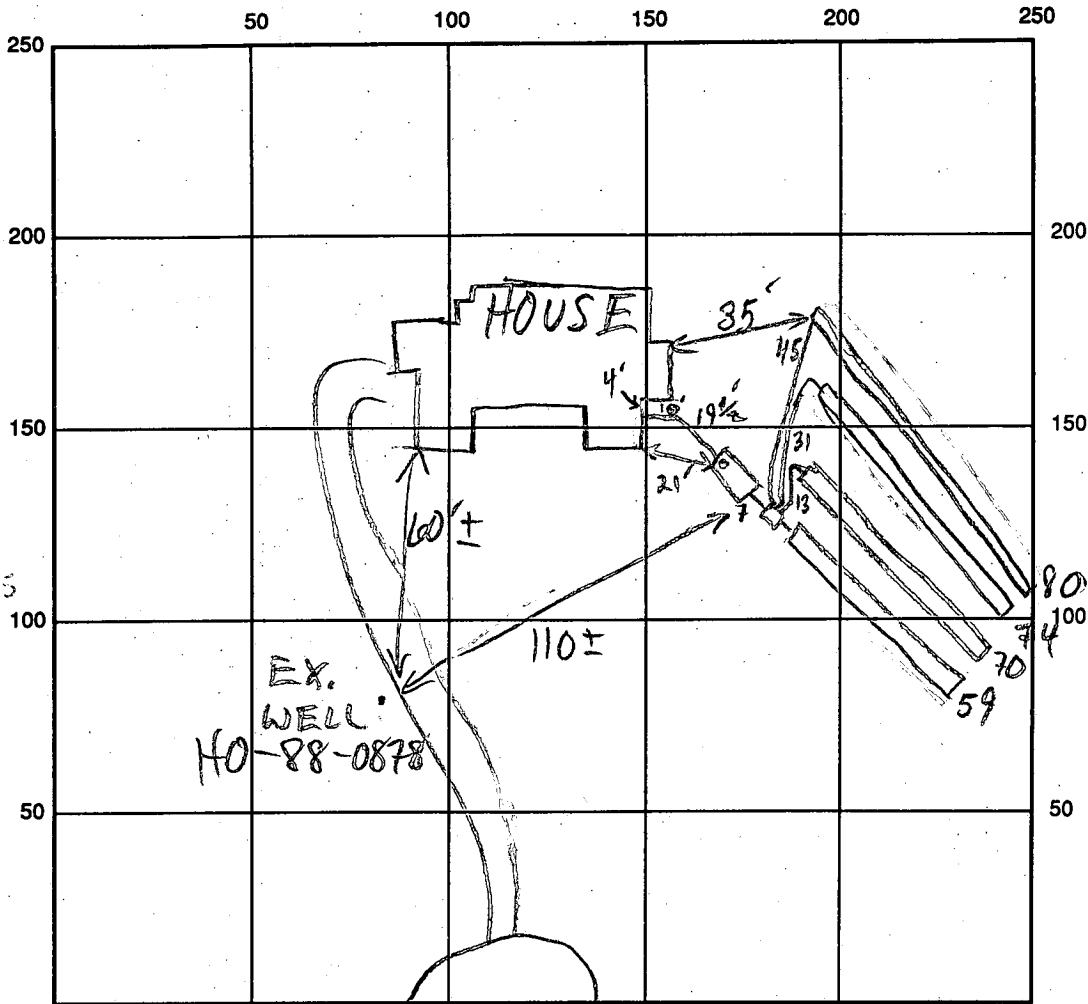
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A
42611



MISTY KNOLL INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL - OK CLEANOUTS OK - S.T.

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ① 80 ② 74 ③ 70 ④ 59 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA ① 240 ③ 222 ④ 177 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 844 SQ. FT.

REMARKS: 10/31/94 OK TO COVER ALL MR

DATE SYSTEM APPROVED 10/31/94 INSPECTOR M. Rifkin

APPLICATION

PERCOLATION TESTING

A 42611

P _____

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

DISTRICT 4TH

8-05-88 DATE _____

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 CSI/LC T/A Jamestown Builders

ADDRESS 2425 Daisy Road, Woodbine, Md. 21797 PHONE 410-381-9303

PROSPECTIVE BUYER Carman Associates

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

PROPERTY LOCATION:

SUBDIVISION Warfields Grant LOT NO. 7

ROAD AND DESCRIPTION West Side Daisy Road (16009 Misty Knoll Court)

TAX MAP 13 PARCEL # 128

SIZE OF LOT 3 acres TYPE BLDG. SFD
(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 A. Mangley
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10-27-88 Perc Satisfactory hold for PCAT. Subm

BLDG. PERMIT SIGNED

AND RETURNED 8/11/88

Serial # 55612

4 Buns

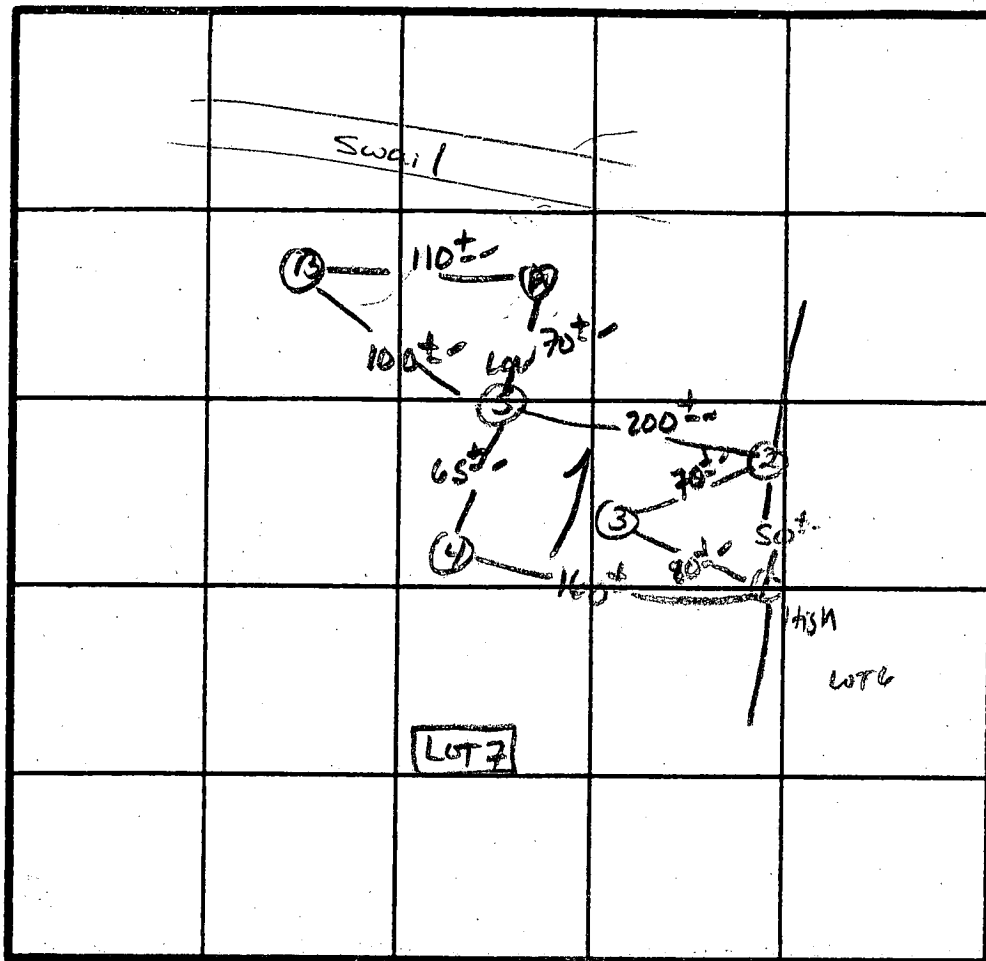
HD-216

THIS IS NOT A PERMIT

A-42611

SOIL PROFILE

0"	AP
6"	Yellow Br Silty Clay loam 15-20% Frag
3'	Yellow Br micaceous silty loam 15-25% Frag
12'	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ED WAINFIELD Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/27/88	1S	3.5'	12:20	12:23	12:23	12:33	0min
		8.0'	12:20	12:21	12:21	12:23	2min
	1V	12.0'	As Profiled				
	2S	3.5'	12:23	12:31	12:31	12:48	17min
		12.5'	As Profiled				
	3V	12.5'	Similar to Profile				
	4S	4'	12:37	12:43	12:43	12:58	15min
		12'	Similar to Profile				
	5S	3.5'	12:39	12:47	12:47	1:00	13min
		12.5'	Similar to Profile				
	A	H ₂ O 7'2"					
	B	H ₂ O 10'8"					

REMARKS Holes Diff Thrm PWT - Shallow Syst.

TYPE OF SOIL Glennly

TESTED BY S. Abel

ALSO PRESENT Phil M. Andrews
Ruby C. Gross

B 1 2298 SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

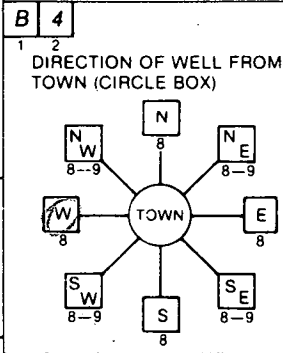
STATE OF MARYLAND PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
HO-88-0878
fill in this form completely

Date Received (APA) 012489
OWNER INFORMATION
CARMAN ASSOCIATION
P.O. BOX 122
ELLIOTT CITY MD 21043

B 3 LOCATION OF WELL
HOWARD COUNTY
MARFIELD'S GRANT
SECTION 44 LOT 107
THE WOOD
MILES FROM TOWN 4 MI

DRILLER INFORMATION
Driller's Name: Wm. E. Wagner License No. 80: 238
Firm Name: Wm. E. Wagner WELL DRILLING
Address: 5512 Ridge Rd. Mt. Airy Md. 21771
Signature: Wm. E. Wagner Date: 1/23/89



B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
Pheasant Ridge Ct.
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 75 FT
ENTER FT or MI FT

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 320

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 42611
COUNTY NAME: HOWARD COUNTY NO. 42611
STATE SIGNATURE: _____ INSERT S
DATE ISSUED: 071989 CO SIGNATURE: [Signature] EXP. DATE: 01/13/90
NORTH GRID: 531000 EAST GRID: 0779000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH 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 _____

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 DEEPEN 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 _____ GAP _____
FORCE SA WRITE INITIALS IN BOX PERMIT No. HO-88-0878

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 779 9
N 531 1
NO OPPOR. FOR BETTER INSP
93' CASING
3/4' CASING A.G.
BAGS GROUT NOT OBS'D
VTAG OK 10/6/89



SPECIAL CONDITIONS
COUNTY

C1 **6769** SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN
 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER **A** **4200542611**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **100687** Depth of Well **365** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-89-0878**

OWNER **CARMAV ASSOC.** STREET OR RFD **PHEASANT RIDGE COURT** TOWN **GLENWOOD** SUBDIVISION **WARETELD'S GRANT SECTION** LOT **7**

WELL LOG
 Not required for driven wells
 STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
BROWN SAND	0	88	
BLUE ROCK	88	365	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **13** NO. OF POUNDS **1722**
 GALLONS OF WATER **78**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **43** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** **PL** **OT**
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **93**

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

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

C2
 DEPTH (nearest ft.)
 EACH SCREEN
 1 **HO** **92** **365**
 2 [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] []
 SLOT SIZE 1 [] 2 [] 3 []
 DIAMETER OF SCREEN [] [] [] [] (NEAREST INCH)
 from [] to []

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 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. **238**
 DRILLERS SIGNATURE **Walter P. Moore**

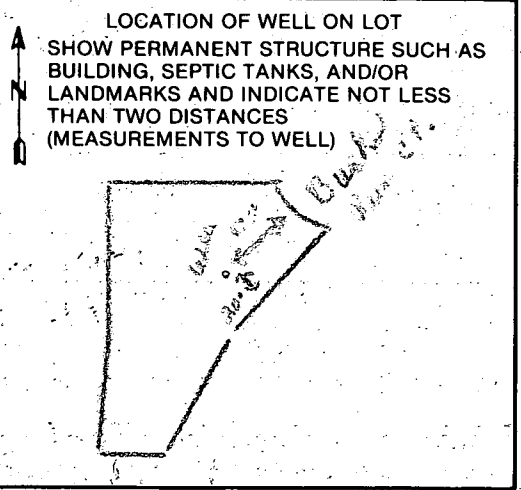
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 70 [] 72 [] 74 [] 75 [] 76 []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **4**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **30** WHEN PUMPING **215**
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES **NO**
 (CIRCLE) (YES or NO)
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: **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 } LAND SURFACE **1** (nearest foot) **-** below }



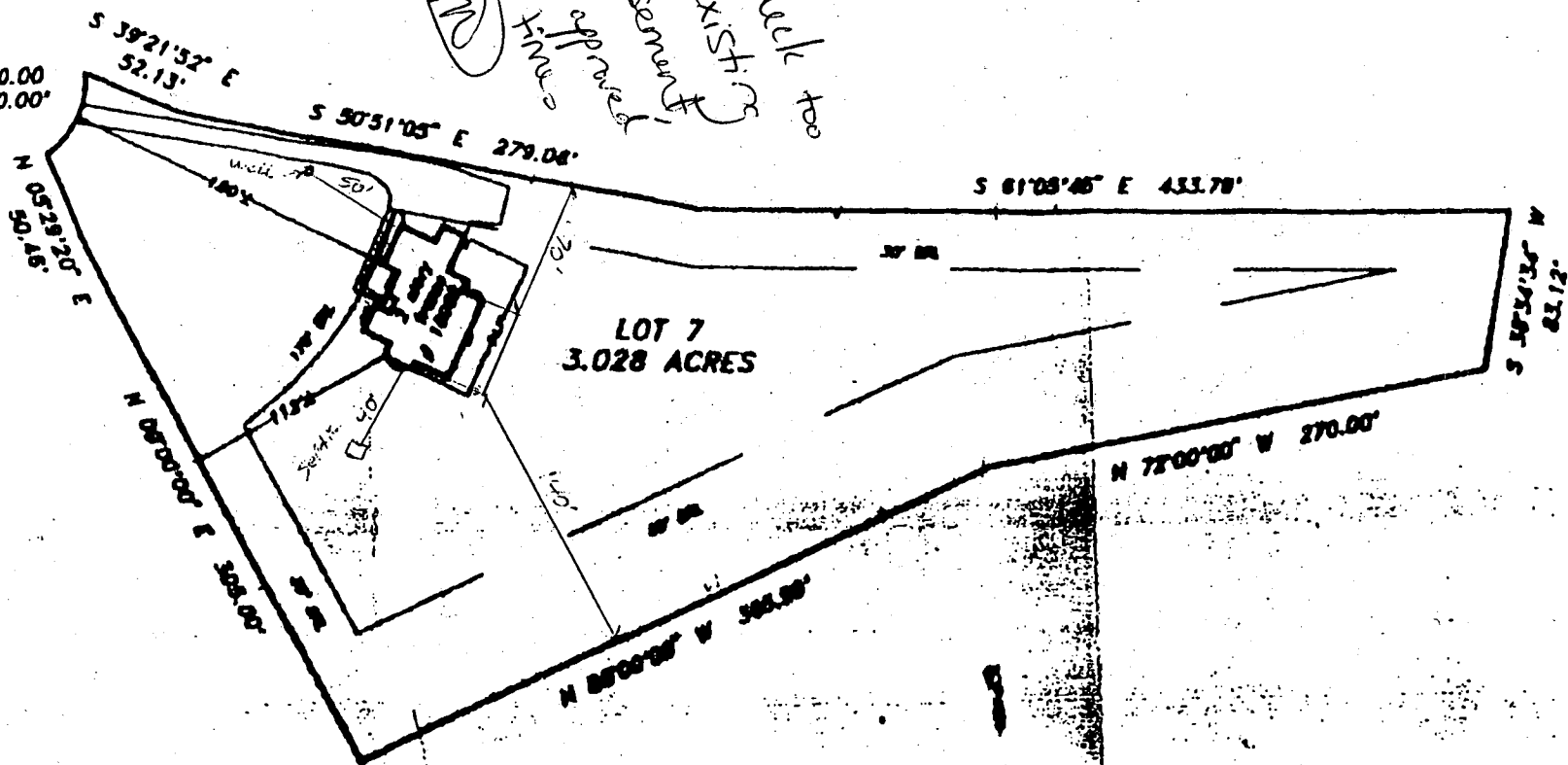
NOTES:

S.A.L. information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc. Building line out/ or Flood Zone information is subject to the interpretation of the engineer. NTT, Inc. does not certify to unknown or unrecorded encroachments or overlaps. Property values not found, or guaranteed by the location. Setback stance accuracy: 1/2".

Proposed deck to close + existing septic easement, cannot be approved at this time.

MI. TY KNOLL COURT
50' R/W

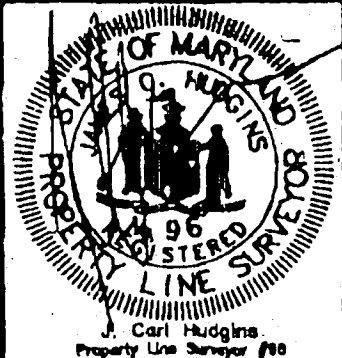
R=50.00
A=50.00'



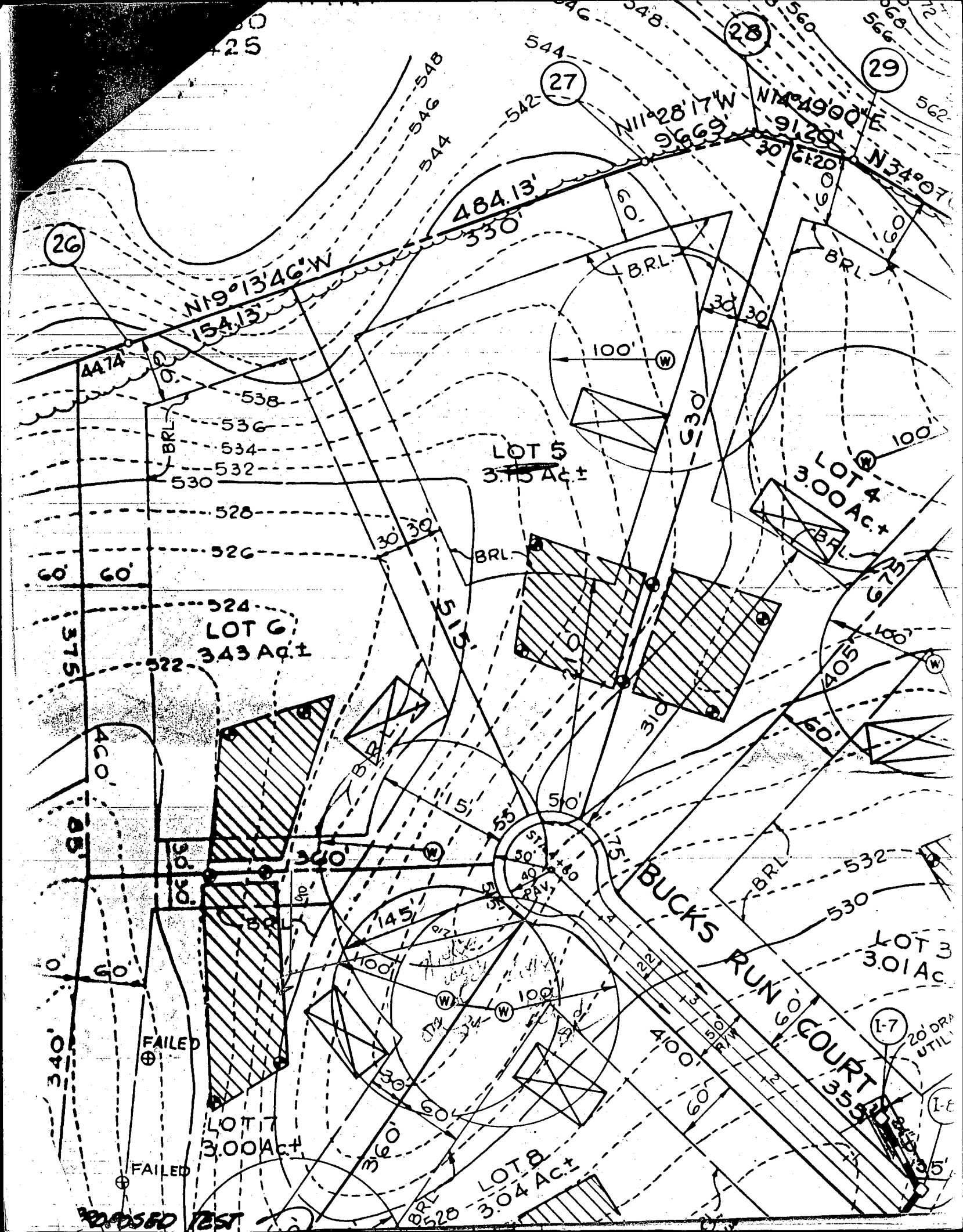
best property is shown in Zone C
 the National Flood Insurance Program
 and Insurance Rate Map of Howard
 County, Maryland, Panel 43 of 45
 community Panel # 240044-0013
 effective date: December 4, 1988

I certify that I have surveyed the property shown hereon,
 known as **LOT 7**
16009 MISTY KNOLL COURT
 recorded in the Land Records of Howard County, Maryland
 Plat Bk. 9802 Liber Folio
 for the purpose of locating the improvements thereon.

This plat is of benefit to the consumer only insofar as it is required
 as a condition of a title insurance policy or its agent in connection
 with a contemplated transfer, financing, or refinancing purposes.
 This plat is not to be relied upon for the establishment of location
 lines, fences, garages, buildings, or other existing or future structures.
 This plat does not provide for the accurate identification of property
 boundary lines, but such identification may not be required for
 a transfer of title or for securing financing or refinancing.



LOCATION DRAWING 16009 MISTY KNOLL COURT WARFIELD'S GRANT 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
NTT Associates, Inc. 16205 Old Frederick Road Mt. Airy, Maryland 21771 Ph. (410)442-2031 Fax No. (410)442-1315	Scale: 1" = 100' Date: OCTOBER 21, 1997 Field by: JLM Drawn by: JLM Drawing # WISC905



26

27

28

29

N19°13'46\"W
154.13'

484.13'
330'

N11°28'17\"W 96.69'
N14°49'00\"E 91.20'
N34°07' 60'

LOT 5
3.15 Ac.±

LOT 4
3.00 Ac.±

LOT 6
3.43 Ac.±

BUCKS RUN
COURT
LOT 3
3.01 Ac.

LOT 7
3.00 Ac.±

LOT 8
3.04 Ac.±

FAILED

FAILED

PROPOSED TEST

20' DRA UTIL

1-7

1-8

BRL

BRL

BRL

BRL

BRL

BRL

BRL

BRL

4474

375

60'

340' 0\"E

ACO

85'

60'

60'

60'

60'

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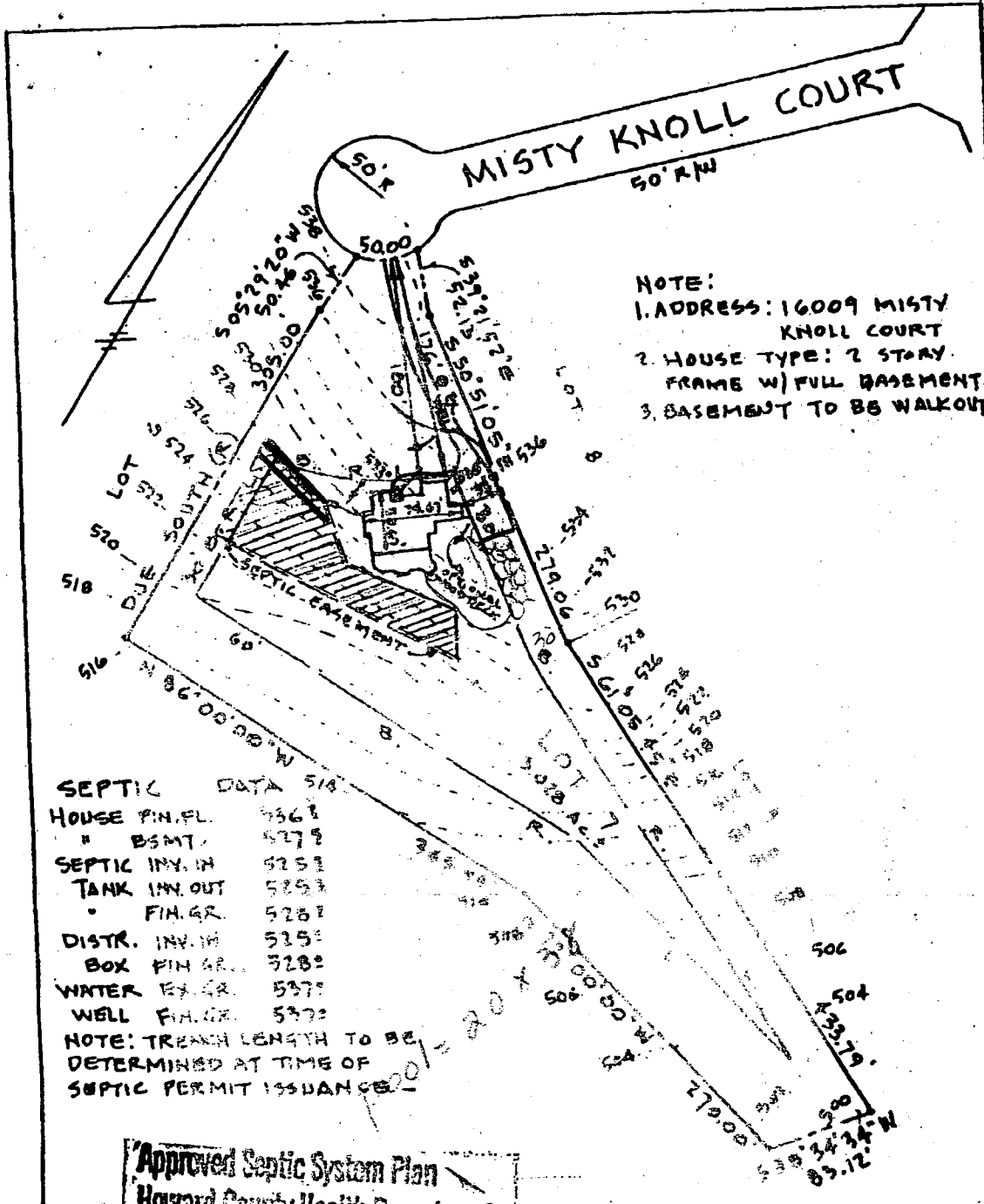
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NOTE:
 1. ADDRESS: 16009 MISTY KNOLL COURT
 2. HOUSE TYPE: 2 STORY FRAME W/ FULL BASEMENT.
 3. BASEMENT TO BS WALKOUT

SEPTIC DATA 518

HOUSE FIN. FL.	5368
" BSMT.	5279
SEPTIC INV. IN	5251
TANK INV. OUT	5252
" FIN. GR.	5281
DISTR. INV. IN	5151
BOX FIN. GR.	5282
WATER FIN. GR.	5371
WELL FIN. GR.	5372

NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

Approved Septic System Plan
 Howard County Health Department

John M. Miller 7/14/94
 Signature Date

ENGINEER
 JOHN L. SCHNEIDER, P.E.
 100 N. ROLLING RD.
 CATONSVILLE, MD. 21118
 301-744-1145

RECORD PLAT # 9802

300109567

↓
 1/20/98
 Proposed deck location as shown. (Pool location or as shown - not part of current BP proposal, but may be applied for at a later date)

GRADING STUDY

LOT 7 SECTION 1 WARFIELD'S GRANT

4th ELECTION DISTRICT HOWARD COUNTY - MD.

SCALE: 1" = 100'

DATE: JULY 19, 1994



John L. Schneider