

10/10/96  
ASAP  
10/13 1PM 4WPF  
10/15 9am

10/11/96 Needs house  
convection (DKS)

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57273A

A 34721

DISTRICT 3rd

DATE 09/16/96

DATE SYSTEM APPROVED 10/15/96

INSPECTOR DKS

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED  
03-311 333

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Lichendale Farms LOT 5 ROAD 13700 Old Rover Road

PROPERTY OWNER <sup>Sbarra</sup> Mark G. Sbarra & Cathleen A. Montgomery

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

~~\*Pump system only.~~  
\*Call for trench layout inspection prior to excavation.  
TRENCH LOCATED WITHIN AREA TO BE FILLED, TO BE INSTALLED PRIOR TO FILL  
~~\*1000 gal. pump chamber.~~  
GRAVITY SEPTIC SYSTEM DESIGN APPROVED 7-12-96

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 - Start trenches approximately 235' from the front lot line (341.54') and 20' from the left lot line as seen when facing lot from Pfefferkorn Road. Run trenches along level ground toward lot line (374.14' line)

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 7-22-96 JH

PLANS APPROVED BY Glen Savage DATE 6/25/96

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

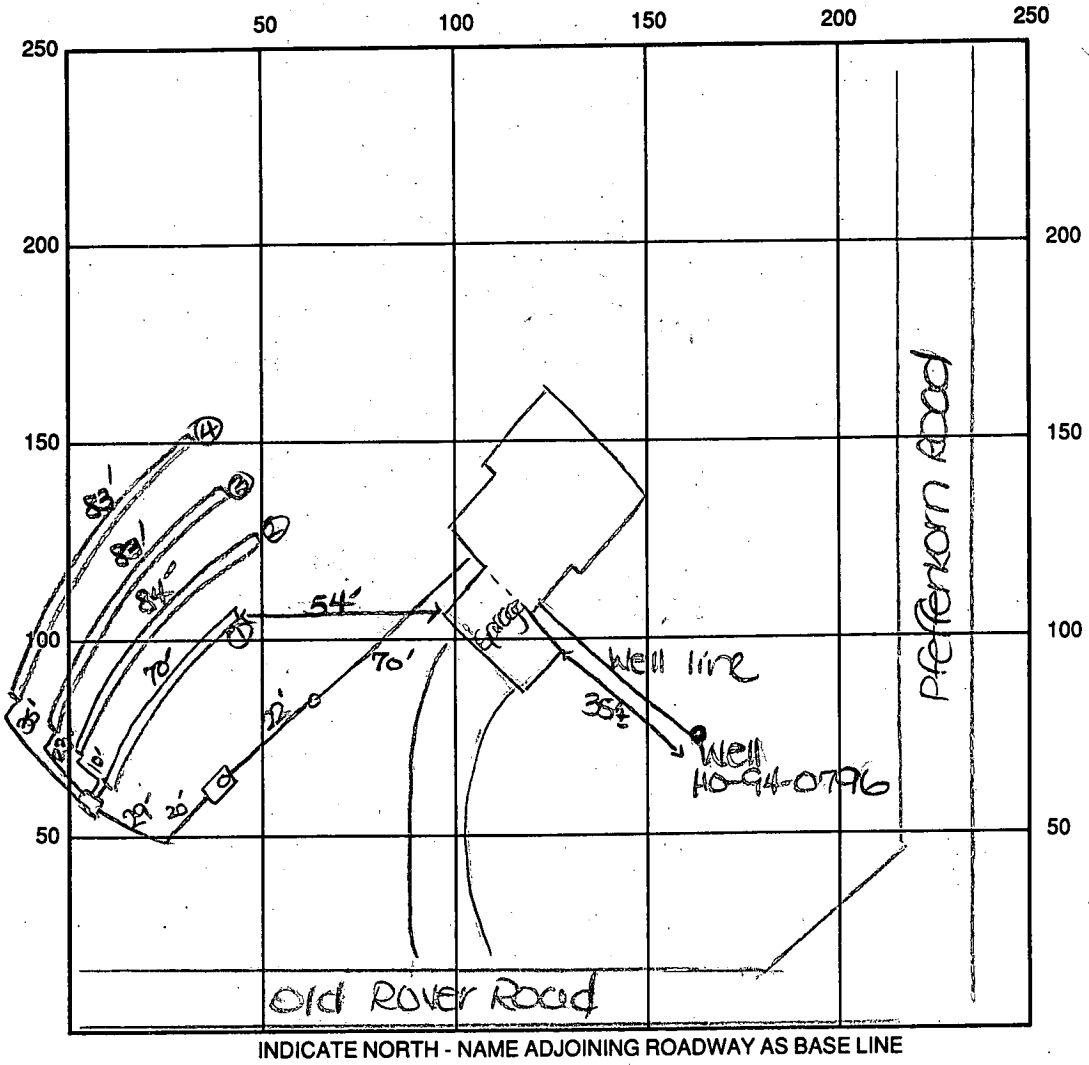
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

BLDG. PERMIT SIGNED  
AND RETURNED 5-6-98  
Serial # 270 1118 46  
addition - deck

A 34721



SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one in line, one on tank  
 DISTRIBUTION BOX LEVEL OK  
 DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.  
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ①70②83③83④83 → 320 FT.  
 NUMBER OF TRENCHES 4 ONE SIDEWALL BOTTOM AREA 960 SQ. FT.  
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA 960 SQ. FT.

REMARKS: 10/10/96 OK to cover from house to s.t. and  
continue. House connection needed. DKS  
10/11/96 OK to cover all work. House connection  
needed. DKS 10/15/96 house connection OK - FINAL. DKS  
10/11/96 WPI - P.A., well line 5' below grade. casing 1'  
above grade. Two piece well cap installed. OK to cover  
 DATE SYSTEM APPROVED 10/15/96 INSPECTOR [Signature] DKS

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 34721

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 3rd

DATE 12/28/84

SYSTEM FIRST 11/11/85 RH

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 STEVEN K. BREEDEN (CONTRACT PURCHASER) Mark G. Barra  
KATHLEEN A. MONTGOMERY

ADDRESS Box 417 ELLICOTT CITY MD. 21043 PHONE 465-4244

PROPERTY LOCATION:

SUBDIVISION LINCHENDALE FARM  
LINCHENDALE FARM SECTION 1 AREA 1 LOT NO. 5

ROAD AND DESCRIPTION PREPPERKON ROAD BETWEEN OLD ROVER RD + ROVER AREA ROAD  
13700 Old Rover Road.

SIZE OF LOT 3.210 AC± TYPE BLDG. RESIDENCE - 3 BR.  
(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. St K Breed 12-28-84  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Shallow Tile Field DATE 2-14-85

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

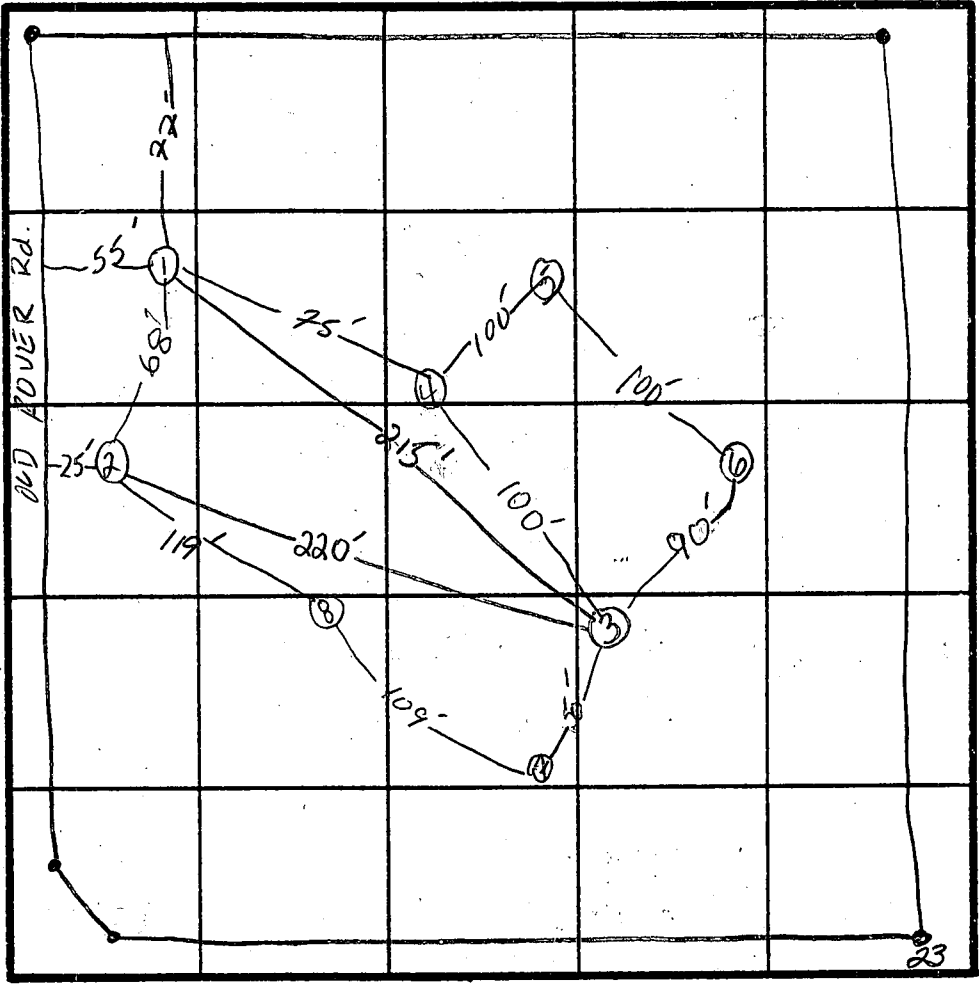
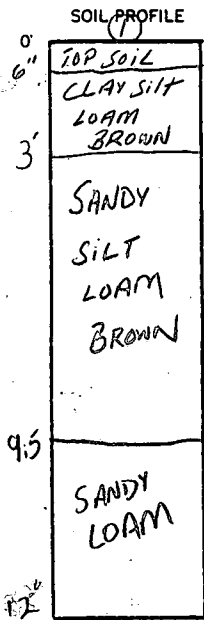
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 1/11/85 PERC OK FOR SHALLOW TILE

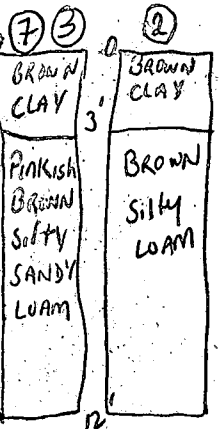
FIELD. PER F.S. HOLD FOR CERTIFIED PLAT RHOAS

S.F.D 4 BRONS  
BLDG. PERMIT SIGNED  
AND RETURNED 6-25-86  
Serial # 1300100463

# THIS IS NOT A PERMIT



Highest Hole  
②  
Lowest Hole  
⑤ HAS H<sub>2</sub>O  
① NO H<sub>2</sub>O



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
PFEFFERKORN ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/1/85	1S	3.5'	10:53	11:07	11:07	11:23	16 min	
	1M	9.5'	10:51	10:53	10:53	11:01	8 min.	
1/1/85	2S	3'	11:06	11:24	11:24	11:48	24 min	
	2M	9'	11:07	11:10	11:10	11:16	6 min	
1/1/85	3S	3.5'	11:21	11:25	11:25	11:50	25 min	
	3V	11'	LOOK GOOD	TO 11'	UNIFORM soil	FROM 3' down		
1/1/85	4V	UNSATISFACTORY	H <sub>2</sub> O AT 9'					
1/1/85	5	NOT SEEN - DUNE	STARTS H <sub>2</sub> O AT 9' UNSATISFACTORY					
1/1/85	6V	UNSATISFACTORY	H <sub>2</sub> O AT 12'					
1/1/85	7S	3'	11:54	11:56	11:56	11:59	3 min	
	7V	OK TO 9'	uniform soil structure from 3' to 9'					
1/1/88	8V	12.5'						
	2V	12.5'	LOOK GOOD NO H <sub>2</sub> O OPEN					

OK for shallow tile field

3 1/8  
24  
25  
13  
6 1/2

X = 14 min  
Increase X to 20 min for shallow system

REMARKS

TYPE OF SOIL

TESTED BY R. Hodge S. Adel

Boekhoe Kennedy Halfeel  
ALSO PRESENT S. J. Breder Bunge

C1 7905

SEQUENCE NO. (MDE 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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A-34721

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 060496

Depth of Well 160 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-99-0796

OWNER MONTGOMERY CATHLEEN STREET OR RFD OLD ROVER ROAD TOWN W. ERIENSHIP SUBDIVISION LICHENOAKE SECTION LOT 5

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 (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include TOP Soil, red shaley clay, Sand Stone, Mica, Sand Stone, Mica, Sand Stone, Mica, Quartz, Mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)

TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 14 NO. OF POUNDS 1400 GALLONS OF WATER 70

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 52 ft.

CASING RECORD

MAIN CASING TYPE (Circle appropriate code below) ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER)

Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 70

OTHER CASING (if used)

SCREEN RECORD (Circle appropriate code below) ST (STEEL), BR (BRASS BRONZE), PL (PLASTIC), HO (OPEN HOLE), OT (OTHER)

DEPTH (nearest ft.) 110 68 160

SLOT SIZE 1 DIAMETER OF SCREEN (NEAREST INCH) 2 3

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

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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 120

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 19 ft.

WHEN PUMPING 22 ft.

TYPE OF PUMP USED (for test) A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) YES (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)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

Handwritten notes: OLD ROVER RD., 50'

NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER 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.

TYPE: MWD/MSD/MGD 40 DRILLERS LIC. NO. 40

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 501

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



**SEPTIC SYSTEM DESIGN DATA:**

- 5 Bedrooms (First Floor Service Only - Wall Hung)
- Invert @ Wall : 550.10
- 1500 Gallon Septic Tank  
Provide Manhole to Grade  
Ex. grade over tank: 549.90  
Fin. grade over tank: 552.00  
Invert In: 548.50  
Invert Out: 548.20

- Distribution Box: 5 Outlets Min.  
Ex. grade @ box: 550.00  
Fin. grade @ box: 550.00  
Invert: 547.00

- Trench Data: 241 S.F./BR  
5 BR x 241 S.F. = 1205 S.F.  
1205 S.F. ÷ 3 = 402 LF Trench

**TRENCH (A)**

- Ex. grade: 549.20  
Invert: 546.20  
Bottom of trench: 544.20  
Length: 52'  
Width: 3'-0"

Lichendale Farm  
Lot 2  
Plot No 6071

**TRENCH (B)**

- Ex. grade: 548.60  
Invert: 545.60  
Bottom of trench: 543.60  
Length: 60'  
Width: 3'-0"

**TRENCH (C)**

- Ex. grade: 547.90  
Invert: 544.90  
Bottom of trench: 542.90  
Length: 90'  
Width: 3'-0"

**TRENCH (D)**

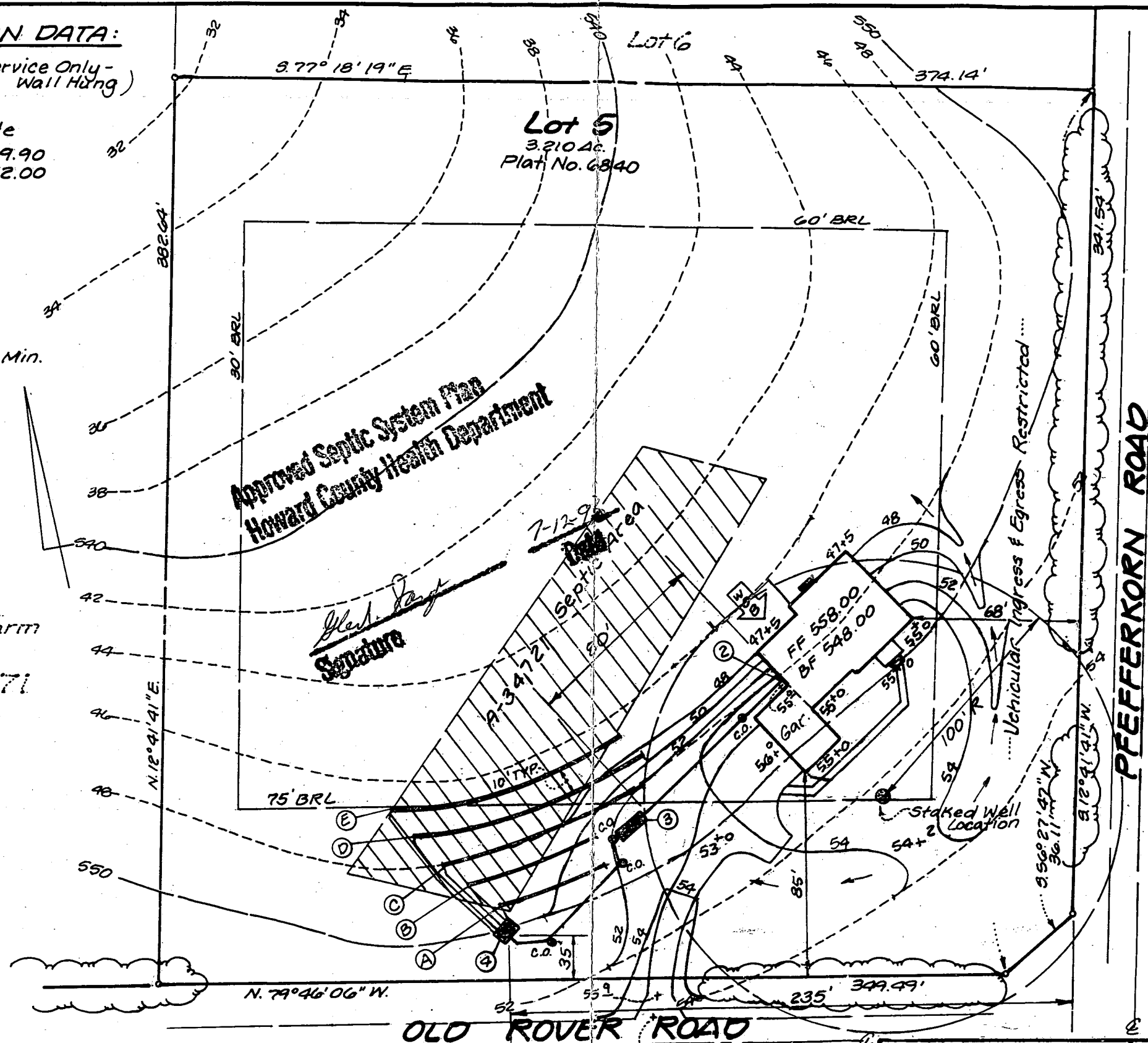
- Ex. grade: 547.30  
Invert: 544.30  
Bottom of trench: 542.30  
Length: 100'  
Width: 3'-0"

**TRENCH (E)**

- Ex. grade: 546.70  
Invert: 543.70  
Bottom of trench: 541.70  
Length: 100' Width: 3'-0"

**NOTES:**

- The proposed septic system for this lot will require a pump for basement sewer service. First floor sewer service only by gravity.
- The contractor shall install septic trenches prior to beginning placement of fill over the trenches.



**Plot Plan for Building Permit**  
Rev. #1: Raise house 2 ft. for English Bsmt. Remove pump system per Builder (NIH) #2 Trench note.

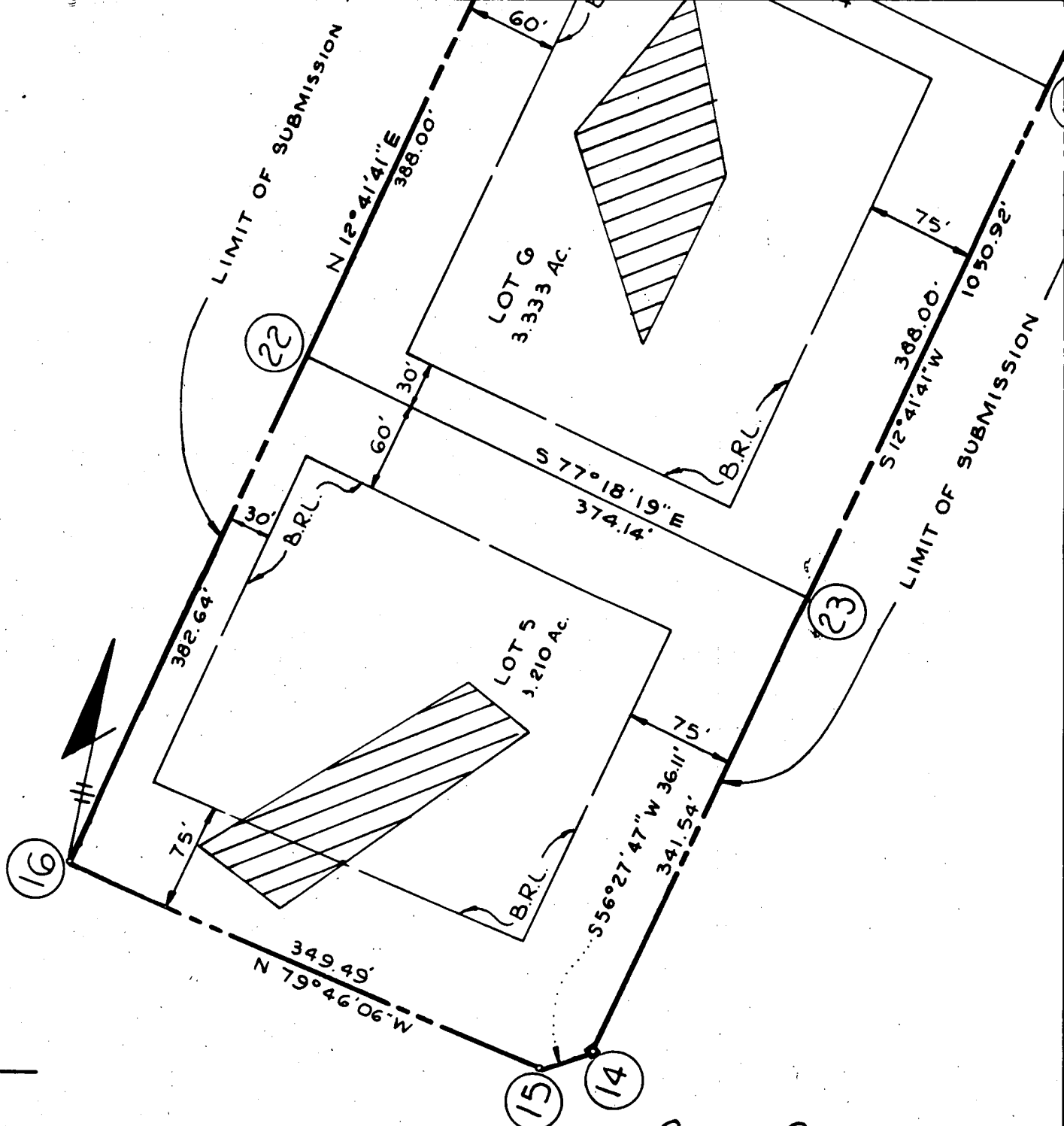
**LDE Inc.**  
8250 Rumsey Road Suite 108  
Columbia, Maryland 21045  
(Ball.) 410-715-1070  
(Wash.) 301-570-3424  
(FAX) 410-715-9540

<b>Lichendale Farm - Lot 5</b> 3 <sup>rd</sup> Election District Howard County, Maryland		
Date: 5-15-96	Drawn: BE1	Rev. 7/2/96
Scale: 1" = 50'	LDE Job No 96026	Sheet: 1 of 1

7/11/96 DISCUSSED REVISED PLAN WITH NEIGHBORS ALTERNATE NOT SIGNIFICANT

B00100463





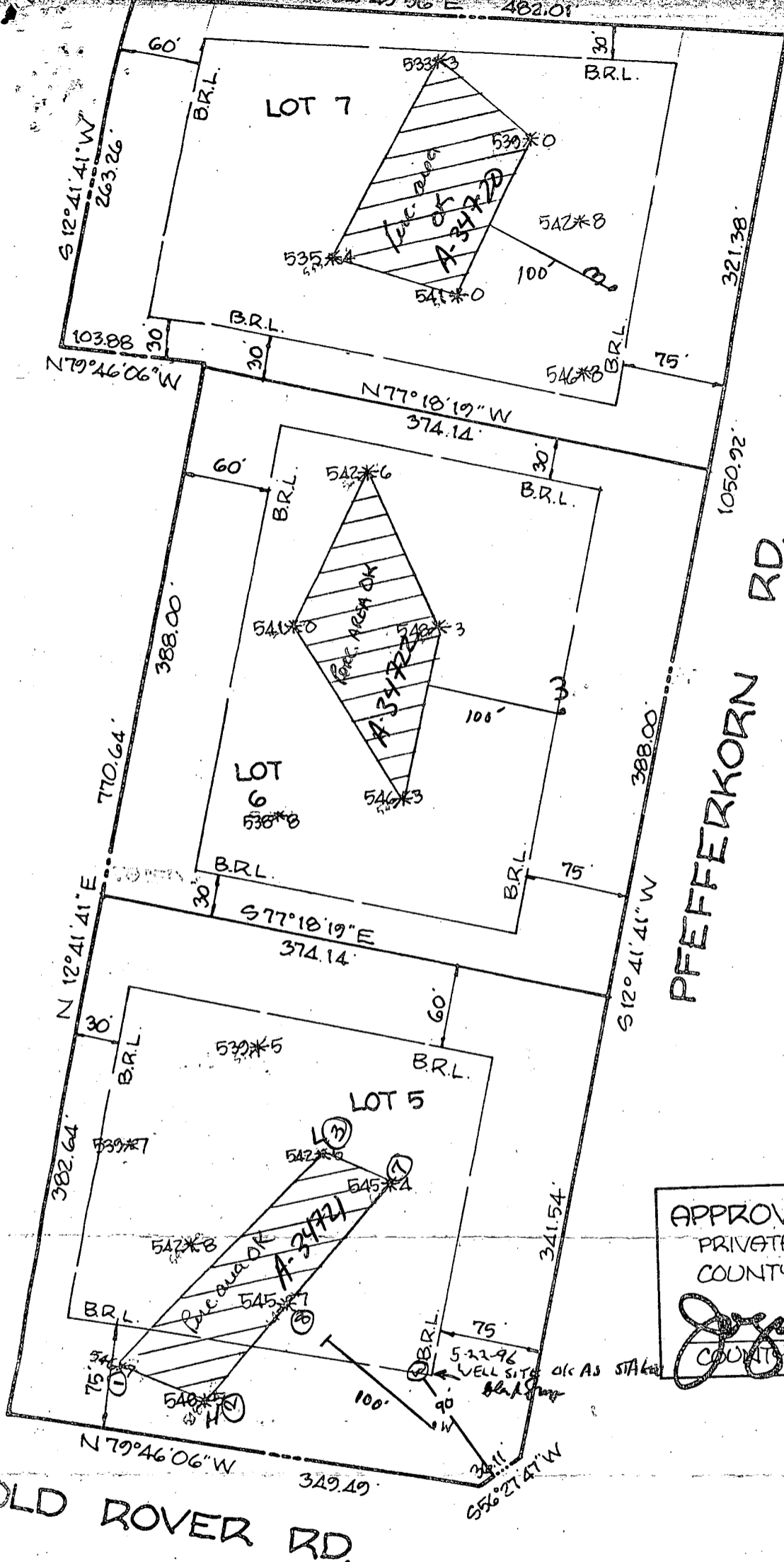
TOTAL  
 3  
 9.731 Ac.  
 0  
 9.731 Ac.

copy of signed  
 Final F-86-03

**OWNER'S CERTIFICATE:**

THE LICHENDALE PARTNERSHIP  
 HEREBY ADOPT THIS PLAN OF SUBDIVISION AND IN CONSIDERATION OF THE APPROVAL OF THIS  
 BY THE OFFICE OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES  
 UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT  
 IN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER  
 AND RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE  
 FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS, THE FLOODPLAINS AND OPEN SPACE AND  
 CABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION  
 COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND  
 STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; AND (3) THE RIGHT TO RE-  
 VATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION

I HEREBY  
 CORRECT; THIS  
 BY BEATRICE  
 PARTNERSHIP  
 THE LAND RE-  
 AND THAT ALL  
 OF THE STRE-  
 IN ACCORDANCE



APPROVED: FOR PRIVATE WATER  
 PRIVATE SEWAGE SYSTEMS, HOWARD  
 COUNTY HEALTH DEPARTMENT.

*Joseph Byler* 1-2  
 COUNTY HEALTH OFFICER DE

1/25/95

OLD ROVER RD.

FIELD-LOCATED PERC TEST ELEVATION

HEREON COMPLY WITH THE  
 WIDTH AND LOT AREA AS  
 MARYLAND STATE DEPT. OF  
 HYGIENE.

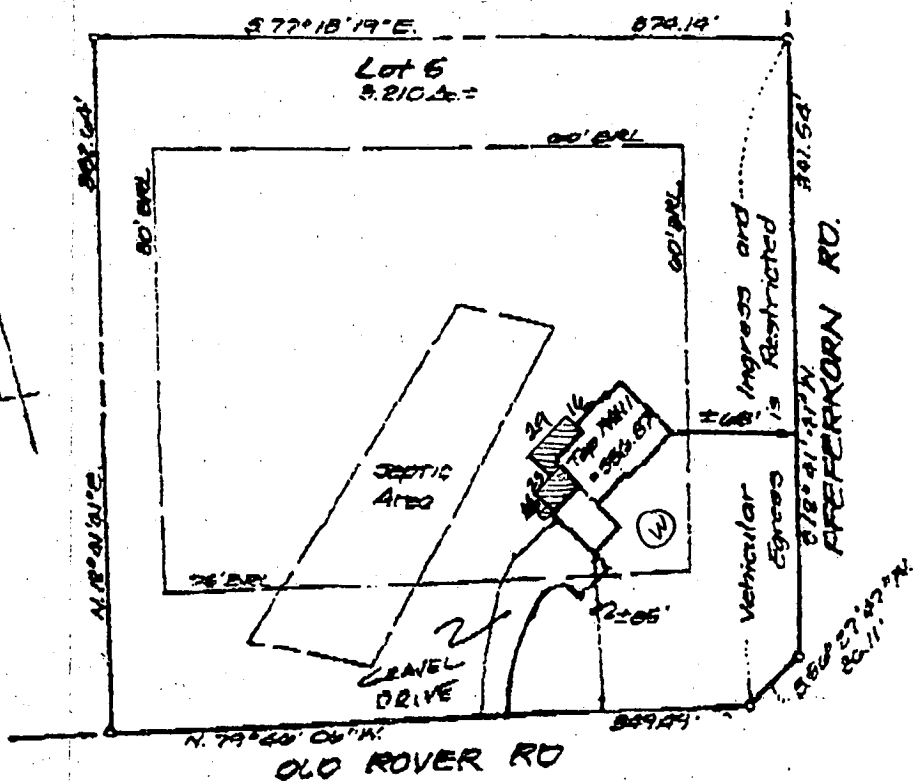
NOTES A PRIVATE SEWAGE EASEMENT  
 AS REQUIRED BY THE MD. STATE DEPT.  
 HYGIENE FOR INDIVIDUAL  
 IMPROVEMENTS. NATURE  
 RESTRICTED UNTIL SEWAGE

FIELD-LOCATED PERC TEST PLAT  
 LICHENDALE FARM  
 SEC. 1, AREA 1, LOTS 5, 6,  
 A RESUBDIVISION OF LOT 4 (PLAT  
 3RD ELECTION DISTRICT HOWARD CO  
 SCALE: 1"=100' DATE: 1/21/1995

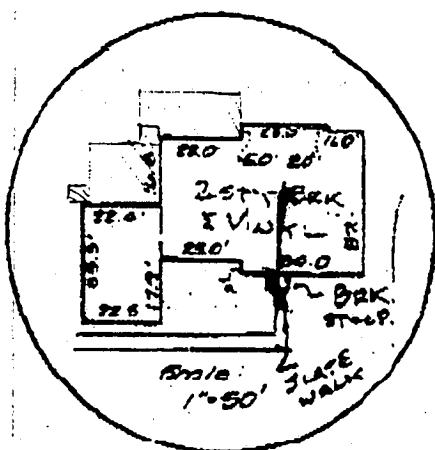


Property known as: **Lot 5**  
**Lichendale Farm**  
**5ect. 1 Area 1**  
A Resubdivision of Lot 4  
938 Election District  
Howard County, MD.  
Plot # 0040

THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.



5.6.98  
proposed 2 level  
deck will have no  
impact on well and  
septic as shown.  
(KM)



LOCATION SURVEY PLAT  
SUBJECT PROPERTY NOT LOCATED IN A FLOOD PLAIN AREA UNLESS OTHERWISE NOTED

FINAL 10/29/96

CERTIFICATION

SEAL

SCALE 1"=100' DATE 7.19.96

This is to certify that I have surveyed  
the property known as: Lot 5  
Old Rover Rd

for the purpose of locating the im-  
provements thereon, and the improvements  
are located as shown.



**LDE Inc.**

9250 Rumsey Road Suite 106  
Columbia, Maryland 21045

(Balt.) 410-715-1070  
(Wash.) 301-596-3424  
(FAX) 410-715-9540