

11/7/94
194 ID-05-412803

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~

313-2640

INDEXED

P 50380A

A 42048

DISTRICT 5th

DATE 11/7/94

DATE SYSTEM APPROVED 11-7-94

INSPECTOR Ann

Jack Fyock Septic Service

IS PERMITTED TO INSTALL X ALTER

ADDRESS _____ PHONE 988-9270

SUBDIVISION Rutherford LOT 3 ROAD 4513 Rutherford Way

PROPERTY OWNER Thomas Henderson

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 154

2 180
3 540
154
35 15400
35
190
175
150
2 35
3 175

TRENCHES - Trench to be 2 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3½ feet below original grade. 3½ feet of stone below distribution pipe.

LOCATION - Place the distribution box 185 feet from the front lot line and 85 feet from the left lot line. Run trenches along contour toward left 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 10/18/94 DKS

PLANS APPROVED BY C. Williams

REVISED _____ DATE 09/26/94

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

BLDG. PERMIT SIGNED

AND RETURNED 12/30/94

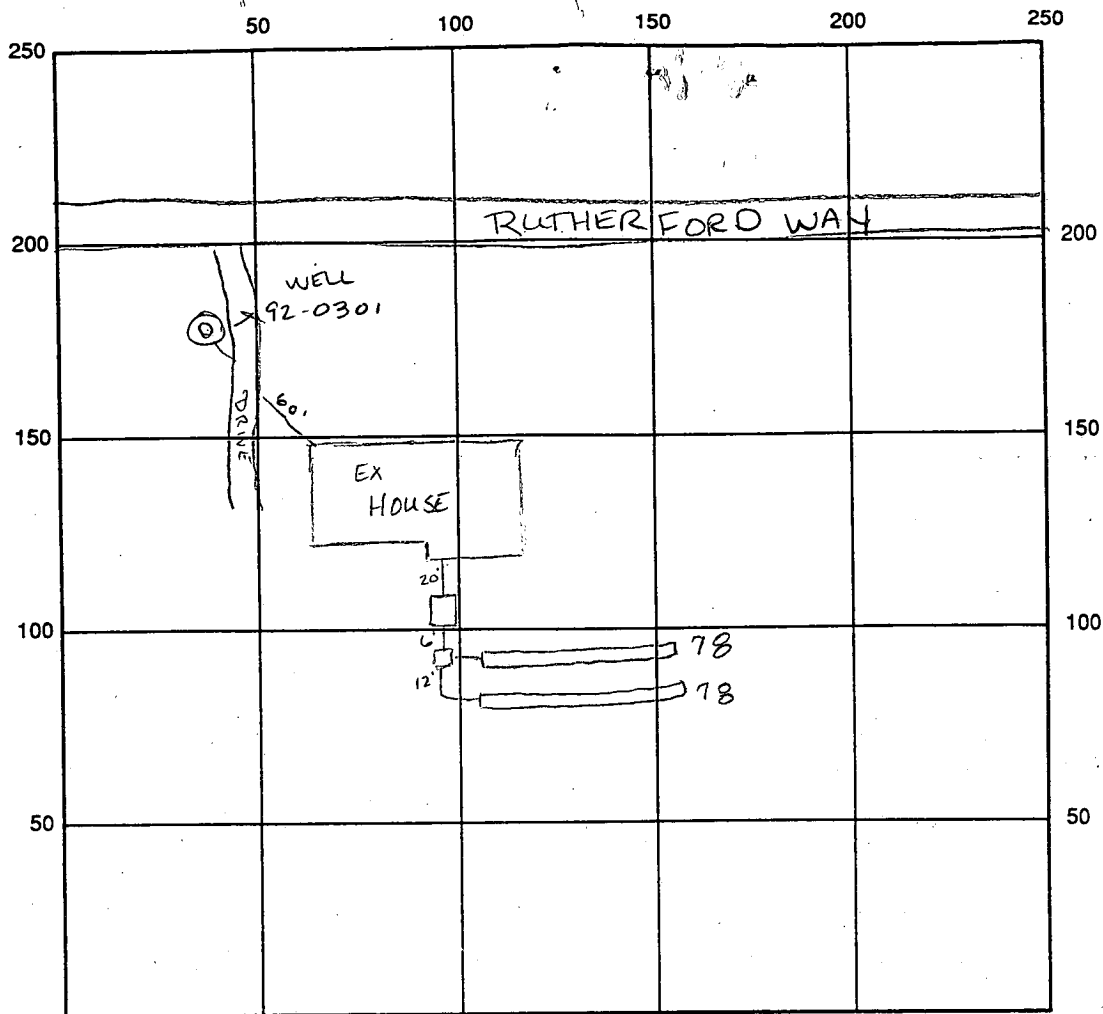
PERMIT VOID AFTER TWO YEARS

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. Install 1-570 gal. pump-out tank

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

1942048



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1000 gals CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 7' 7" FT. TRENCH WIDTH 2' FT. INLET DEPTH 3.5 FT.
EFFECTIVE GRAVEL DEPTH 3.5 FT. TOTAL LENGTH 156 linear ft.

NUMBER OF TRENCHES 2 ONE-SIDEWALL/BOTTOM AREA 546 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 11-7-94 OK to cover all work final Ann

1156
3.5
780
468
546.0

DATE SYSTEM APPROVED 11-7-94 INSPECTOR Amy M. Miller

MARYLAND ROUTE 32

LEGEND

- Ex. Perc. Location (A 42048)
- Ex. Sewage Disposal Area (A 42048)
- ▨ Revised Sewage Disposal Area
- ☁ Ex. Trees to be removed
- 🌳 Ex. Trees to be saved
- 500 --- Ex. Ground (9/94)
- 500 — Finished Grade
- Drainage Flow
- Ex. Sewage Disposal Area (Rev. to A 42048)

SEPTIC SYSTEM DESIGN DATA:

- Proposed 3 Bedroom Single Family Dwelling.
- ① Inv. @ Wall: 535.50
 - ② 1,000 Gallon Septic Tank
Ex. Grade over Tank: 538.00
Fin. Grade over Tank: 538.00
Inv. In: 535.40
Inv. Out: 535.10
Note: Provide manhole cleanout to finished grade.
 - ③ Distribution Box: 3 Outlets minimum with cleanout
* Ex. grade @ Box: 538.20
Finished grade @ Box: 538.20
Inv. 534.70

Trench Data: 180 SF / BR
3 BR x 180 S.F. = 540 S.F. ÷ 3.5 = 154 LF
Use 2 80 ft. long trenches
 - ④ Trench
* Ex. Grade: 538.00
Fin. Grade: 538.00
Invert El.: 534.50
Bottom El.: 531.00
Length: 80'
Width: 3'
 - ⑤ Trench
* Ex. Grade: 537.20
Fin. Grade: 533.70
Invert El.: 530.20
Bottom El.: 529.70
Length: 80'
Width: 3'
 - ⑥ Trench
* Ex. Grade: 536.70
Fin. Grade: 533.20
Invert El.: 529.70
Bottom El.: 529.20
Length: 100'
Width: 3'

* Denotes Natural Grade prior to construction and grading of wetland mitigation area.

NOTE: Topography shown reflects the post-graded condition (9/94). Topographic survey performed by Land Design Engineering, Inc.

NOTE: By copy of this plan the Health Department accepts this modification to the recorded Sewage Disposal Easement.

Approved Septic System Plan
Howard County Health Department

Signature: Amy M. McAllister
Date: 1-29-94

NOTE: The revised private sewage disposal easement shown on this plan supercedes any previously approved area shown on plat No. 9370 and as approved by the Health Department by revision dated 1/29/93.

LAND DESIGN ENGINEERING, INC.

8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
(410) 715-1070 (Balto.) (301) 596-3424 (Wash.) (410) 715-0681 (Fax)

PLOT PLAN		
LOT 3 - RUTHERFORD		
5th Election District Howard Co., MD.		
Date:	Sept. 14, 1994	Drawn:
		KBW
Scale:	1" = 50'	LDE Job No.
		94-149
		Sheet:
		1 of 1

LAND DESIGN ENGINEERING, INC.

PLANNING • ENGINEERING • SURVEYING

January 22, 1993

Mr. Craig Williams, Program Director
Bureau of Environmental Health
Howard County Health Dept.
3525-H Ellicott Mills Drive
Ellicott City, Maryland 21043

Reference: Rutherford
Lots 3 and 4
A42048 and A42050

Dear Mr. Williams:

I would like to thank you and Jane Nadeau for meeting with me on January 20th concerning the revised sewage disposal areas for lots 3 and 4. At the meeting we discussed the following:

Lot 3

1. Revise sewage disposal area. Hold elevation 532 as bottom edge of SDA. Top edge of SDA to be elevation ~~548-550~~ 532, 10' off north property line. Revised SDA approximates ~~area of~~ 15,000 sq.ft.
2. Relocate house site 20' closer to the road. Relocate well site 50' closer to the road.

Lot 4

1. Revise sewage disposal area. Hold elevation 526 as bottom edge of SDA. Top edge of SDA to be elevation 535. Hold 10' off south property line and honor proposed well site on Lot 5. Revised SDA approximates an area of 11,000 sq.ft.

We also discussed the release of the well permits for Lots 3 and 4. Upon submittal and preliminary approval of the attached revised perc plat, the well permits would be released. LDE will remove old well stakes and relocate to positions shown on the revised plat. In addition, during the excavation of the foundation on Lot 4, the Health Dept. will be notified for a visual inspection of the excavated material.

Should you have any questions concerning the above, please contact our office.

Very truly yours,

LAND DESIGN ENGINEERING, INC.

BRUCE D. BURTON

Bruce D. Burton, P.E.
Project Manager

BDB/lb

cc: John F. Liparini

10620 Guilford Road • Suite 210 • Jessup • Maryland 20794
(301) 604-6264 • (301) 880-0034 • FAX (301) 604-6735

JANE -

PLS REVIEW
& HANDLE AS
APPROPRIATE

(W) 1/25/93

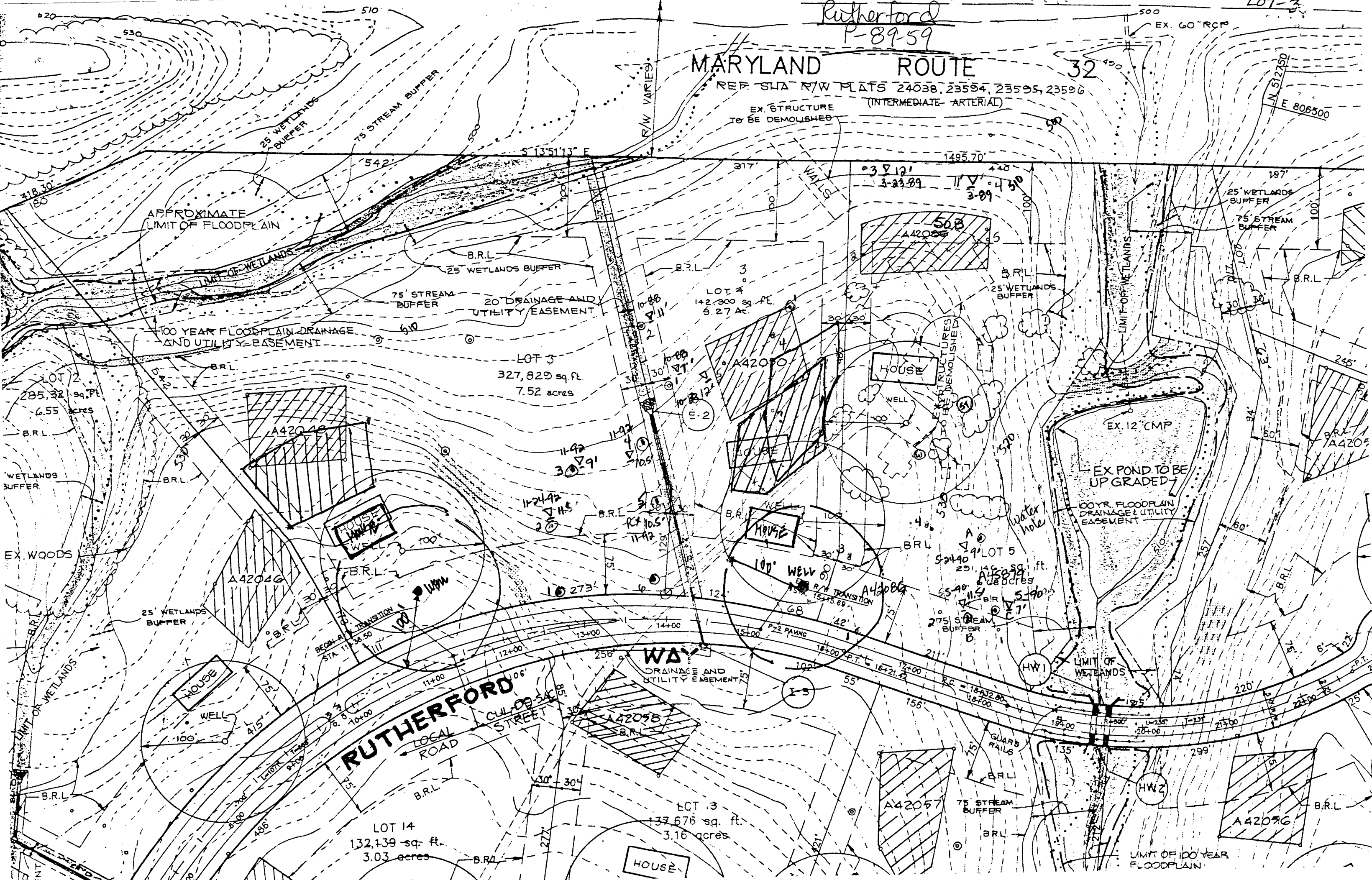
Rutherford
P-89-59

LOT-3

MARYLAND ROUTE 32

REF. STA. R/W PLATS 24038, 23594, 23595, 23596
(INTERMEDIATE-ARTERIAL)

EX. STRUCTURE
TO BE DEMOLISHED



APPLICATION

PERCOLATION TESTING

A 42048

P _____

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

DISTRICT 5TH

DATE 3/8/88

w/conference
NOT TO USED
in subd. for
now 1/3/89 SA

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 MARY C. HILL ET AL Thomas Henderson

ADDRESS 6642 SEVECA DRIVE COLUMBIA PHONE 301-381-4444
MARYLAND 21044

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION RUTHERFORD LOT NO. A 3

ROAD AND DESCRIPTION WEST SIDE OF MD RTE 32, EAST SIDE OF TEN
OAKS ROAD (4513 Rutherford Way)

TAX MAP 28 PARCEL # 75

SIZE OF LOT 4.3 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. Mary C. Hill
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/19/88 Perc OK Hold for Plat R/H

BLDG. PERMIT SIGNED

AND RETURNED 09/29/94

Serial # 56634

SFP - 3 Ben

THIS IS NOT A PERMIT

an km
2 min
max
Depth
3 1/2 FT
4

11/24/92
9:30

APPLICATION

PERCOLATION TESTING

A 48665

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT 5th

DATE 11/4/92

*PERGUS OK,
PROPOSED RESUBDIVISION
NO KNOWN HISTORY
OF TESTING WITHIN
PROPOSED NEW
LOT BOUNDARIES.
CW*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER John F. and Kathleen Liparini

ADDRESS 10620 Guilford Road, Suite 100, PHONE (301) 604-5885
Jessup, Maryland 20794

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS - PHONE -

PROPERTY LOCATION:

SUBDIVISION Rutherford LOT NO. 3-B

ROAD AND DESCRIPTION Rutherford Way (1100' $\pm$ S.E. of Ten Oaks Road)

TAX MAP 28 PARCEL # 75

SIZE OF LOT 3.00 AC. $\pm$ TYPE BLDG. Single Family Detached Dwelling
(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.

[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING 11-24-92 High water table & rocky at shallow depths.
Recommend rejection. JENadeau

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A 48665

COUNTY #

SOIL PROFILE

0'

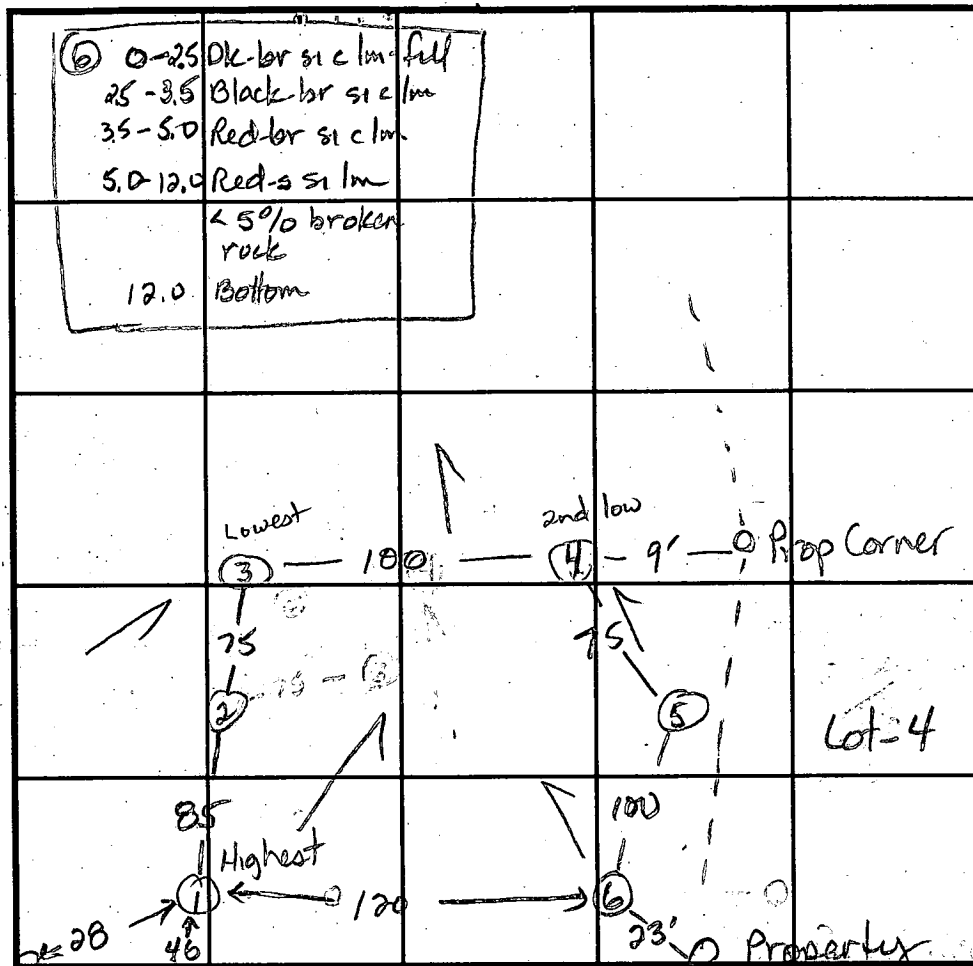
0-4.5 Red brown
si c lm
L 5%
rock
4.5-12.0 Red-br
mica s
si lm
12.0 Bottom
No-fill

2

0-1.5 Dk br si c fill
1.5-3.5 Red-br mica
s si c l
3.5-11.5 Tan mica
s si lm
L 5%
decomp
Rock, wet
Water at
11.0 feet
Bottom

3

0-1.5 Red si c lm fill
1.5-4.5 Dk br si c lm
4.5-6.5 Red-br si
c lm
6.5-12.5 Tan-br
mica s
si lm,
L 15%
decomposed
rock, wet
Water at
9.0 ft
Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Corner
Lot Corner - - - - - Rutherford Way

SOIL PROFILE

0'

0-1.5 Brown si c lm - fill
1.5-4.5 Red mica s si lm
4.5-12.5 Brown block
mica s si lm
L 5% decomp
rock
Water
at 10.5 ft
Bottom
5
0-4.5 Red-br
si c lm - fill
4.5-7.5 Dk br si c lm
7.5-10.5 Br s si lm, L 30%
broken rock, gtz
(1' x 6" x 6")
10.5 Refusal

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-24-97	1	12.0 V	Not tested				
	2	11.5 V	Water	at 11.0 ft	caved at 8.5 ft		Fail
	3	12.5 V	Water	at 9.0 ft.			Fail
	4	12.5 V	Water	at 10.5 ft			Fail
	5	10.5 V	Refusal at 10.5 ft				Fail
	6	12.0 V	Not tested				

REMARKS All holes have a filled clay layer about 1.5 ft deep above original grade except #1. May have filled in swale at some time.

TYPE OF SOIL

TESTED BY

JENadeau

ALSO PRESENT

Nick Liparini / Frock

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

LAND DESIGN ENGINEERING, INC.

PLANNING • ENGINEERING • SURVEYING

September 1, 1994

Mr. Craig Williams, Program Director
Howard County Health Department
3525-H Ellicott Mills Drive
Ellicott City, MD 21043

re: Rutherford, Lot 3

Dear Mr. Williams:

I am writing to you regarding the request to resubdivide the above referenced lot into two (2) building lots. Our office previously submitted information to your office approximately one year ago. As I recall, results of the percolation tests were not satisfactory to support the resubdivision proposal. Therefore, at the direction of the Owner, Land Design Engineering, Inc. is requesting that the resubdivision proposal be withdrawn and the approved sewage disposal area as shown on the Record Plat for Rutherford, Lot 3 be used for building permit.

I spoke with Amy McMillan of your office regarding this matter. Please call me if you have any questions.

Very truly yours,

LAND DESIGN ENGINEERING, INC.

Bruce D. Burton

Bruce D. Burton, P.E.
Vice President

NO - RECORDED EASEMENT
WAS MODIFIED BECAUSE
OF OBSERVED GRADING.
REVISED EASEMENT SIGNED
1-29-93 IS IN EFFECT.

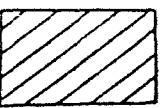
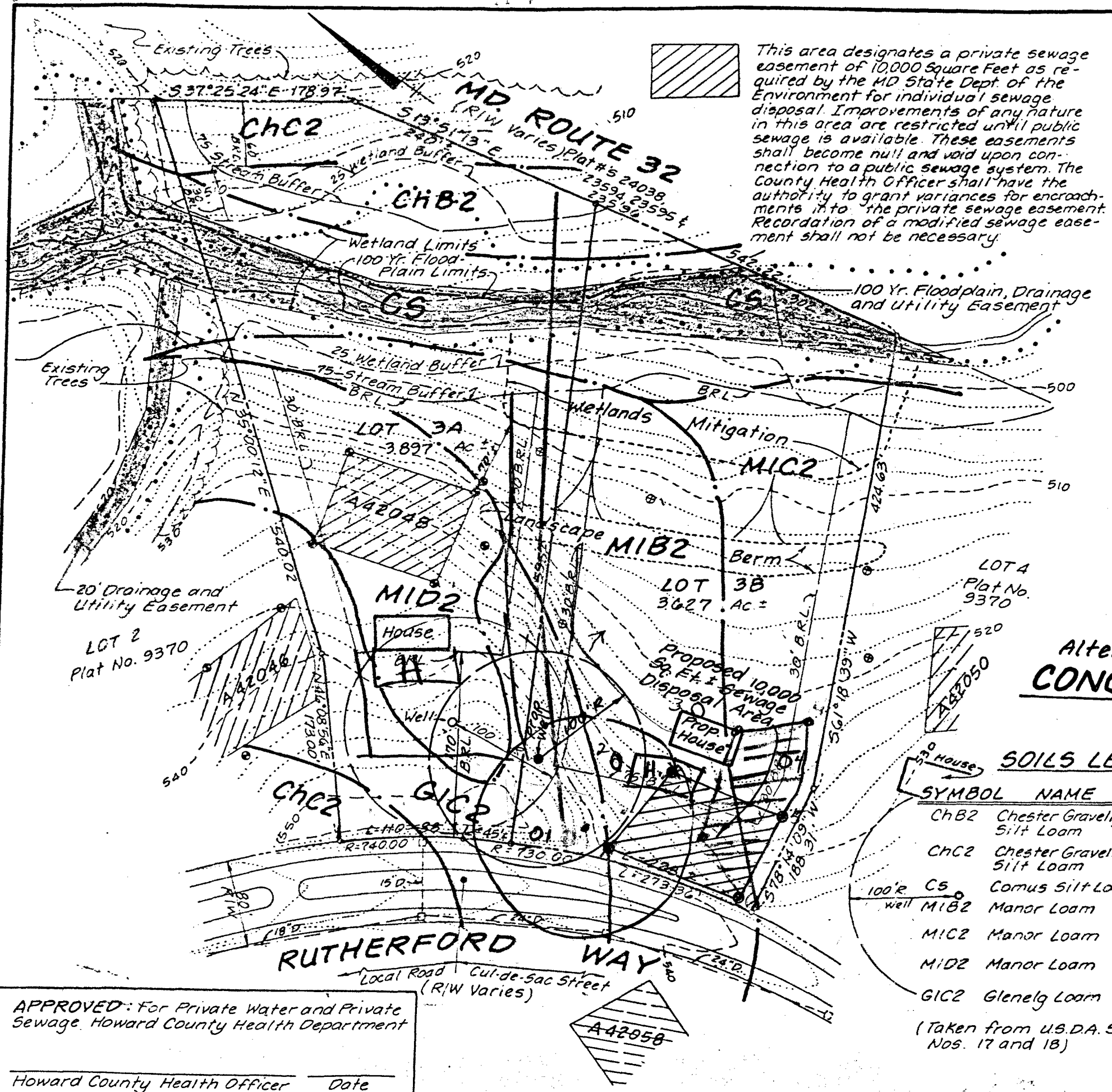
9/6/94 MET WITH
BURTON/LIPARINI/
BUYER/AND REACTOR
TO DISCUSS SAME.

BDB:dmm

BUYER AND SELLER
WILL CONSIDER AND
DEVELOP A PROPOSED
REVISION AND RESUBMIT.
WILL FIELD STAKE, PROVIDE
ENGINEER'S CERTIFICATION
RE-PEC AS NEEDED
TO PROVE GOOD OR NOT.

C. Williams

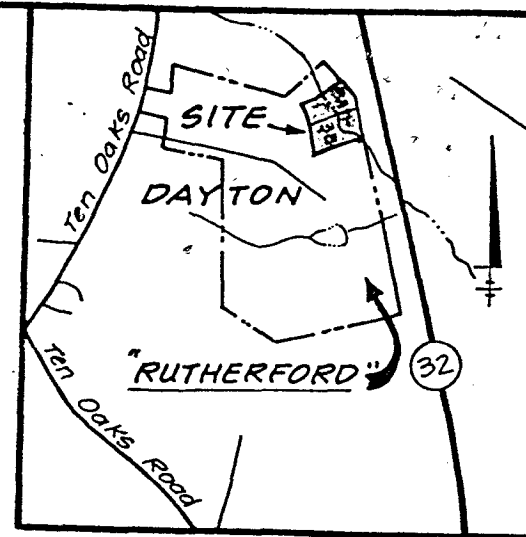
Post-it® Fax Note	7671	Date	9/1/94	# of pages	1
To	AMY McMILLAN	From	Bruce Burton		
Co./Dept	HEALTH	Co.	LDE		
Phone #	313-2640	Phone #	715-1070		
Fax #	313-2648	Fax #	715-0681		



This area designates a private sewage easement of 10,000 Square Feet as required by the MD State Dept. of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

LEGEND

- Percolation Test (Passed)
- Percolation Test (Failed)
- Proposed Well Site
- ▨ Proposed 10,000 Sq. Ft. Sewage Disposal Area
- ... Existing Non-Tidal Wetlands
- ▨ Ex. 10,000 Sq. Ft. Sewage Disposal Area
- Proposed Percolation Test
- Soil Type Delineation



VICINITY MAP
Scale: 1" = 2,000'

NOTES:

1. The lots shown comply with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
2. Existing Zoning: RR-DEO per the 9-18-92 Comprehensive Zoning Plan.

Alternate CONCEPT #2

SOILS LEGEND

SYMBOL	NAME	SLOPE
ChB2	Chester Gravelly Silt Loam	3 to 8% Moderately Eroded
ChC2	Chester Gravelly Silt Loam	8 to 15% Moderately Eroded
CS	Comus Silt Loam	
MIB2	Manor Loam	3 to 8% Moderately Eroded
MIC2	Manor Loam	8 to 15% Moderately Eroded
MID2	Manor Loam	15 to 25% Moderately Eroded
GIC2	Glenelg Loam	8 to 15% Severely Eroded

(Taken from U.S.D.A. Soil Survey Map Nos. 17 and 18)

Owner / Developer

Hill Farm Partnership
c/o John Liparini
10620 Guilford Road
Jessup, Maryland 20794

LAND DESIGN ENGINEERING, INC.

10620 Guilford Road - Suite 210 - Jessup - Maryland 20794
(301) 604-6264 (Wash.) (410) 880-0034 (Balto.) (301) 604-6735 (Fax.)

Designed: BDB	PERC PLAT RUTHERFORD LOTS 3A and 3B Tax Map 28 P/O Parcel 75 5th Election District Howard County, Maryland	Scale: 1"=100'
Drawn: KBW		Dwg. No. 1 of 1
checked: BDB		Job No.

APPROVED: For Private Water and Private Sewage, Howard County Health Department

Howard County Health Officer _____ Date _____

APPLICATION

PERCOLATION TESTING

A 42049

P _____

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

DISTRICT 5TH

DATE 3/8/88

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 MARY C. HILL ET AL

ADDRESS 6642 SENECA DRIVE COLUMBIA PHONE 301-381-4444
MARYLAND 21044

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION RUTHERFORD LOT NO. FALLG, PART OF 3
5 (new 3)

ROAD AND DESCRIPTION WEST SIDE OF MD RTE 32, EAST SIDE OF TEN
OAKS ROAD

TAX MAP 28 PARCEL # 75

SIZE OF LOT 3.3 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. Mary C. Hill
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/19/88 - Wet Season DEFINITELY RH

THIS IS NOT A PERMIT

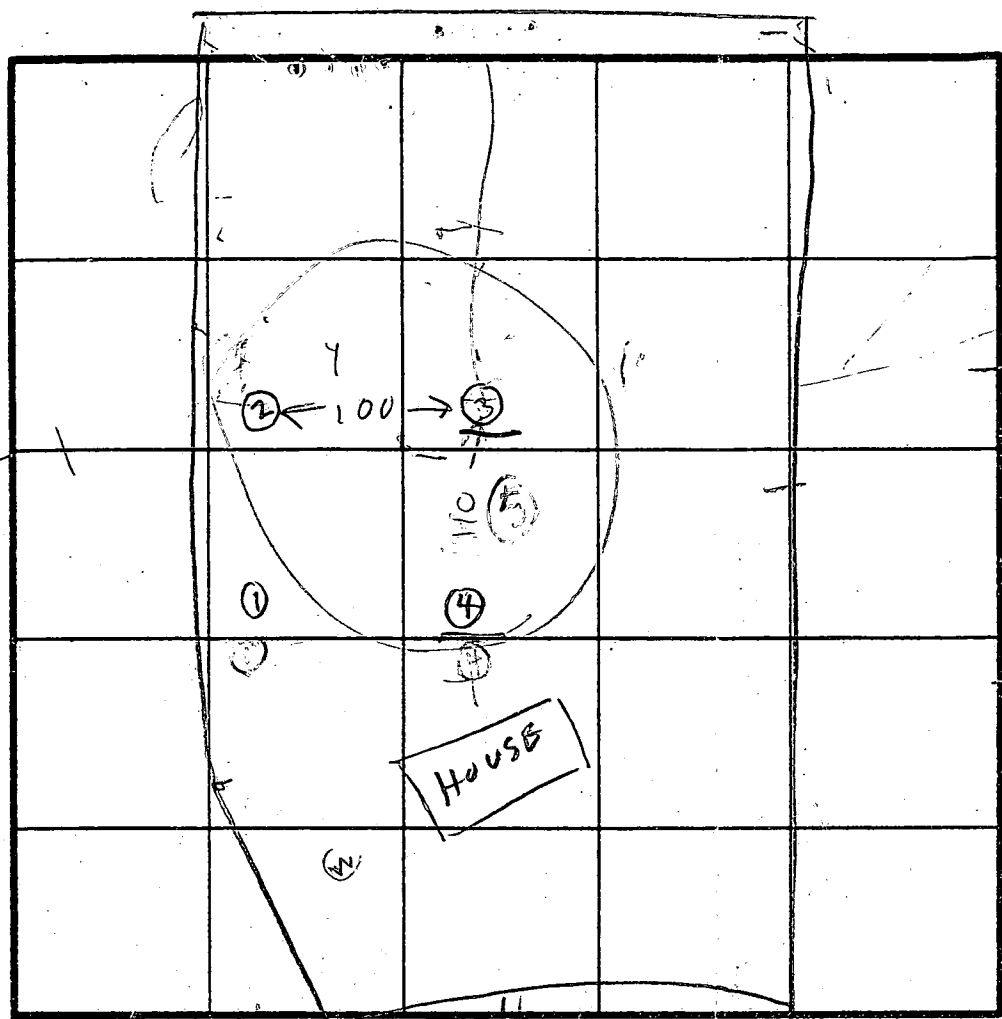
NEW
Lot 5
A 42049

SOIL PROFILE
0
BROWN CLAY
2
BROWN G. SAND SILT LOAM
13.5

②
BROWN CLAY
4 1/2
GRAY BROWN SAND LOAM
FOURTEEN MOIST
13.5

③
BROWN CLAY
4
GRAY MICAC SAND SILT LOAM
12.5
13.5
WATER

④
DARK BROWN CLAY
5
DARK GRAY SAND SILT LOAM
WATER



⑤
CLAY
SAND
14

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/19/88	1 S	4.5	119	121	121	123	2
	1 D	9.5	119	121	121	123	2
	1 1/2	13.5	OK				
	2 S	6.5	127	128	128	131	3
	2 V	13.5	WET SEASON - 7		MOIST BOTTOM		
	3 S		132	136	136	142	6
	3 V	13.5	WATER 12 1/2"				
	4 V	12	WATER 11 FT				
	5 V	1.4	DRY				

REMARKS: Holes 1, 2, 3, 4 Per Test Plan. Repeat in Wet Season.
Holes 2, 3, 4 Need to be Rechecked in Wet Season.
TYPE OF SOIL: _____
TESTED BY: B. Hodges
ALSO PRESENT: Phil & Phil Backhoe



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

December 1, 1992

Reply to:

Mr. and Mrs. John Liparini
10620 Guilford Road, Suite 100
Jessup, Maryland 20794

RE: Percolation Test Results
Application Number: A48665
Proposed Use: Subdivision
Property ID: Rutherford - Lots 3/3B
Rutherford Way

Dear Mr. and Mrs. Liparini:

Percolation testing conducted November 24, 1992 on the above referenced property indicated unsatisfactory soil conditions due to shallow depths to the water table in the dry time of the year, extensive coverage of fill material in the proposed sewage disposal area, and shallow depth to rock severely limit the soils in the proposed sewage disposal easement. Copies of the test results are enclosed.

It does not appear that an alternative proposal exists for lot 3B. Nevertheless, if further testing is proposed, a percolation certification plan will be necessary prior to testing and testing would be held until the spring "wet season".

Further review is contingent upon submission by a registered engineer of a percolation certification plan showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plan should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as stream, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown.

This plan should be submitted within sixty (60) days to allow field verification if necessary.

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642
Technical Services 313-2644 Director 313-2645 TDD 313-2323

Mr. and Mrs. John Liparini

- 2 -

December 1, 1992

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 313-2640.

Very truly yours,

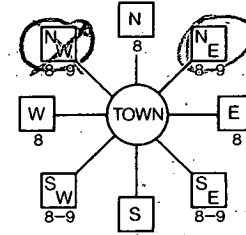
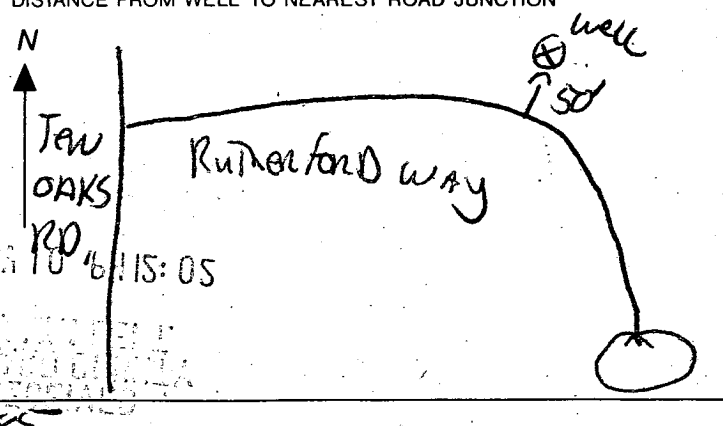
Jane E. Nadeau
Jane Nadeau, R. S.
Water and Sewerage Program

JN:jr

cc: Land Design Engineering, Inc.
File

$$ELEV. = 546.42$$

C1 7662		SEQUENCE NO. (DENV USE ONLY)		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.			
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		6 DATE WELL COMPLETED 021893		Depth of Well 22 325 26 (TO NEAREST FOOT)				PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37			
ST/CO USE ONLY DATE Received		OWNER last name first name		TOWN				COUNTY NUMBER			
STREET OR RFD		SUBDIVISION		SECTION				LOT			
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING				GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 8 NO. OF POUNDS 600 GALLONS OF WATER 48 DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 35 54 BOTTOM 58 ft. (enter 0 if from surface)				C 3 PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 6 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 32 WHEN PUMPING 62 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible			
DESCRIPTION (Use additional sheets if needed)				CASING RECORD casing types insert appropriate code below MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40 OTHER CASING (if used) diameter inch depth (feet) from to				PUMP INSTALLED DRILLER WILL INSTALL PUMP YES 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: 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 - below LAND SURFACE 2 (nearest foot)			
Top Soil 0 2 Sandy 2 35 Sand Stone 35 65 MICKA 65 75 Sand Stone 75 80 MICKA 80 325				SCREEN RECORD screen type or open hole insert appropriate code below ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER C 2 DEPTH (nearest ft.) 1 HO 38 2 325 2 3 38 325 3 38 325 SLOT SIZE 1 2 3 DIAMETER OF SCREEN 56 60 (NEAREST INCH) from to GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68				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) 50' well 150' well Pump Line			
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 IDENT. NO. 273 DRILLERS SIGNATURE SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)				OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T. (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA							

B 1 00204 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER H0-92-0301 fill in this form completely
OWNER INFORMATION Date Received (APA) 11/13/92 15 Last Name Owner First Name 10620 GULFORD RD Jessup MD20794		LOCATION OF WELL 8 COUNTY HOWARD 23 SUBDIVISION RUTHERFORD SECTION 11 LOT 3 52 NEAREST TOWN YAVTOM MILES FROM TOWN (enter 0 if in town) 1 MI	
DRILLER INFORMATION Driller's Name Ralph MAYNE License No. 273 Firm Name RALPH MAYNE Well Drilling Address 9120 Brown Church Rd. Mt Airy Signature Ralph Mayne Date 7/11/92		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD Rutherford Way ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  DISTANCE FROM ROAD 50 FT ENTER FT or MI FT	
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 150 FEET APPROXIMATE DIAMETER OF WELL 6" INCH		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME Howard COUNTY NO. A 42048 STATE SIGNATURE _____ DATE ISSUED 020293 CO SIGNATURE Dane E. Nadeau EXP. DATE 8-2-93 NORTH GRID 513000 EAST GRID 0805000	
METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ AIR-ROTary ☒ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVerse-ROTary ☐ Drive-POINT ☐ other _____		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 800 N 510	
REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (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 	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ FORCE IN WRITE INITIALS IN BOX PERMIT No. H0-92-0301 SPECIAL CONDITIONS 730-0810 OR 604-5885			