

# APPLICATION

PERCOLATION TESTING

A 517919

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 9/17/02

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 ARTHUR SECKER

ADDRESS 14630 OLD FREDERICK RD PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER KAY ANDERSON

ADDRESS 17813 CADDY DR PHONE 963-5050 fax  
DERWOOD, MD 20855 301-717-0667

PROPERTY LOCATION:

SUBDIVISION HBL PROPERTIES LOT NO. 2

ROAD AND DESCRIPTION OLD FREDERICK RD 450' SOUTH OF  
RED LION DRIVE

TAX MAP 8 PARCEL # 360

SIZE OF LOT 3.017 AC± TYPE BLDG. RESIDENTIAL  
(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. Donald J. [Signature] (AGENT) # LANE  
(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

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



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P \_\_\_\_\_

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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BUREAU OF ENVIRONMENTAL HEALTH  
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TELEPHONE: 313-2640

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 ARTHUR SECKER

ADDRESS 14630 Old Frederick Rd PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER KAY ANDERSON

ADDRESS 17813 Caddy Drive PHONE 301-717-0667

(FAX) 963-5056

PROPERTY LOCATION:

SUBDIVISION HBL Properties LOT NO. 2

ROAD AND DESCRIPTION 450' S Red Lion Drive

TAX MAP 8 PARCEL # 360

SIZE OF LOT 3+ ac TYPE BLDG. Residential  
(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 OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

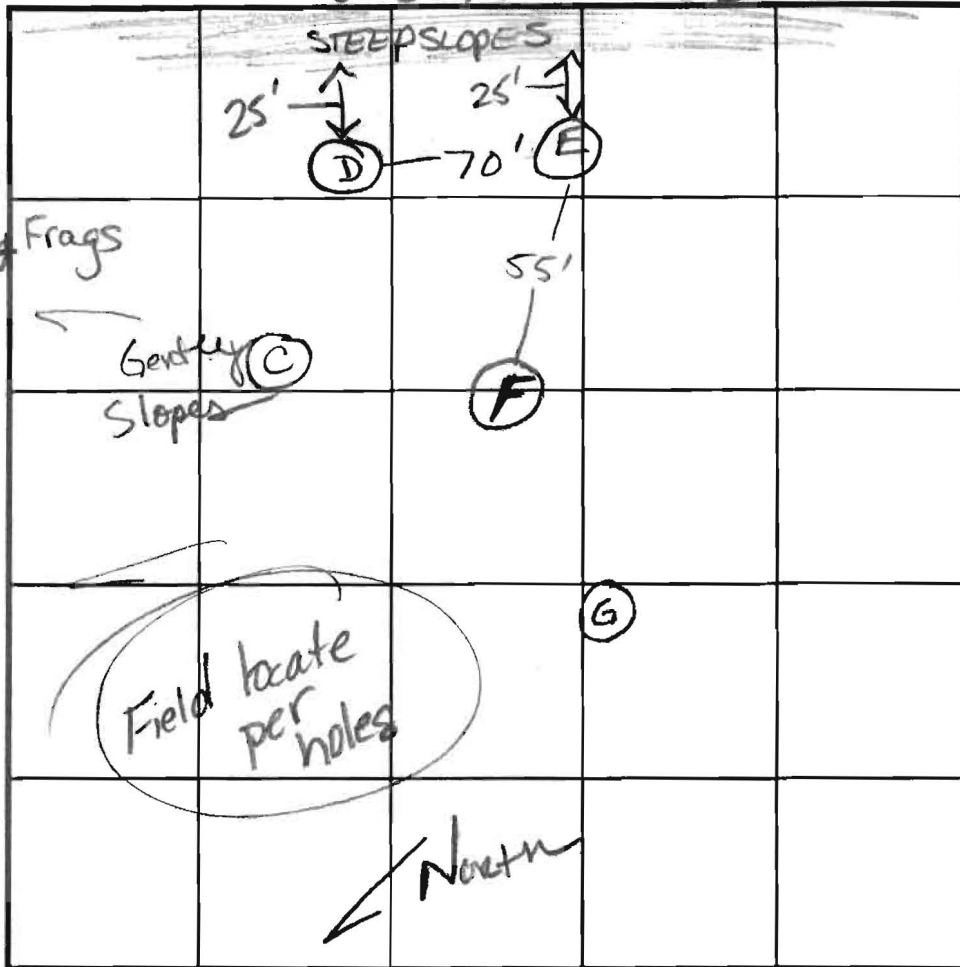
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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

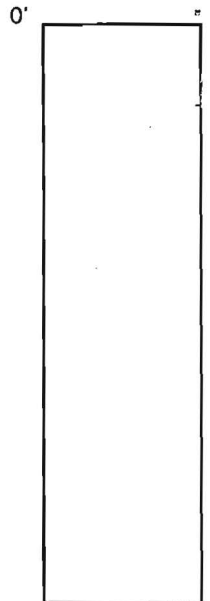
# THIS IS NOT A PERMIT

517919  
COUNTY#

OLD FRED. ROAD



SOIL PROFILE



SOIL PROFILE  
0' (C) (D)  
SiCLM - CLM  
2 1/2' - tan Loamy SAND Rx 10-15%  
3 1/2' - West wall Cherty Frags  
4' - Bottom

(E) (G)  
Strong brn SiCLM  
Channery Frags  
25-30%  
10'  
?

(F)  
Soils same in area - Rx varies as described  
Cherty Frags begin @ 7' 35%

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-18-02	(C)	5' 1/2' / 12V	11:02	11:05:38	11:05:38	11:10:50	4+ OK OK
	(D)	Visual	See soil Profile, but		less Rock		EST 4+ min OK
	(E)	6' M / 11'	11:17:13	11:18:00	11:18:00	11:20:41	2 1/2 OK
	(F)	5' 5' / 6' M / 9'	11:30:00	11:31:35	11:31:35	11:34:43	3+ OK
			11:17:13	11:18	11:18	11:20:41	2 1/2 OK
			11:29:36	11:31:11	11:31:11	11:32:28	
			11:33:04	11:34:08	- 11:36:30		~ 2 OK

REMARKS: Holes not per plan post digger - sized holes  
 TYPE OF SOIL: \_\_\_\_\_  
 TESTED BY: KN ALSO PRESENT: O. Ketterman  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 9/17/02

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ELLICOTT CITY, MARYLAND

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PROPERTY OWNER ARTHUR SECKER

ADDRESS 14630 OLD FREDERICK RD PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER KAY ANDERSON

ADDRESS 17813 CADDY DR PHONE 963-5056 fax  
DERWOOD, MD. 20855 301-717-0667

PROPERTY LOCATION:

SUBDIVISION HBL PROPERTIES LOT NO. 2

ROAD AND DESCRIPTION OLD FREDERICK RD 450' SOUTH OF  
RED LION DRIVE

TAX MAP 8 PARCEL # 360

SIZE OF LOT 3.017 AC± TYPE BLDG. RESIDENTIAL  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Donald Jay (AGENT) STANBERGER  
(SIGNATURE OF APPLICANT) + LANE

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

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

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517919

COUNTY #

OLD FREDERICK ROAD Steep Slopes

SOIL PROFILE

(A)(E)(G)

Strong Brn SiCLLM 3 1/2' 4'

@5' Channery Frags begin 15%± For (A) ~30% from 5-10

Bottom 11'

(B)

Excessive Rx begins @8'

Refusal @9'

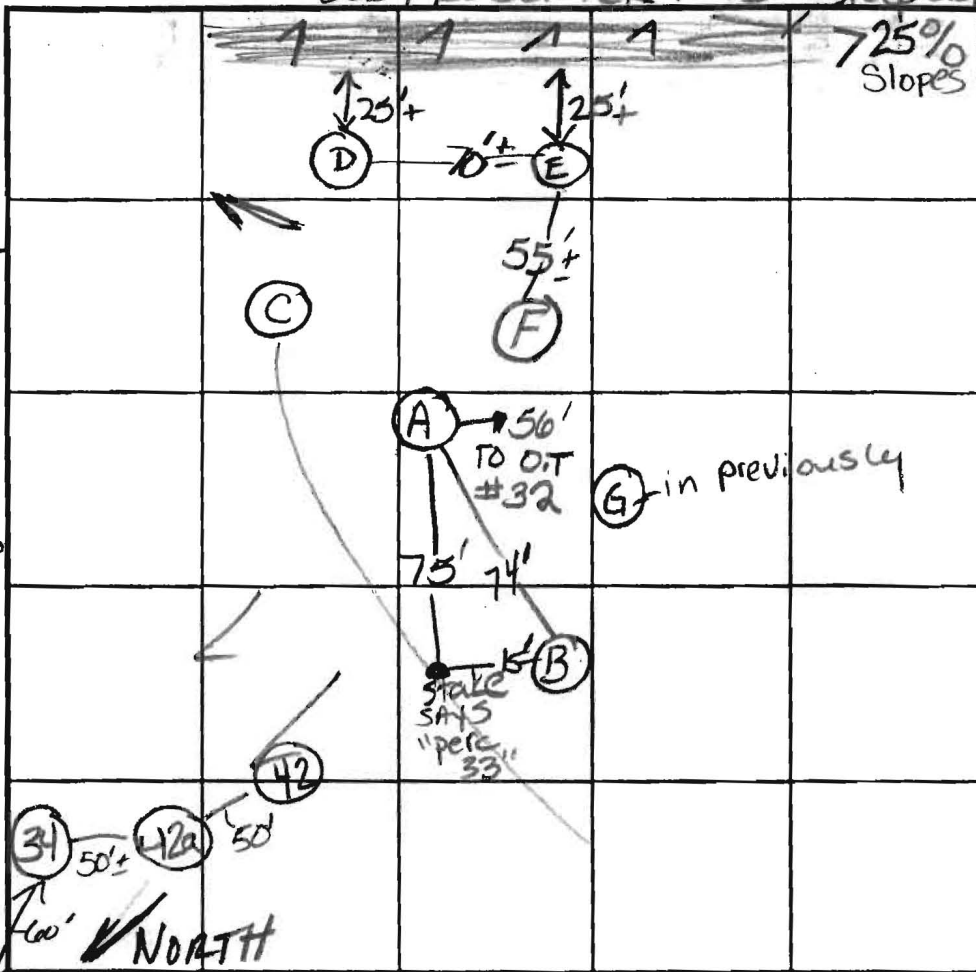
(42)

Strong Brn roots & Sbk structure to 1 1/2'

2' Platy Soil Structure

Varied Rock size; Quartz frags & cobbles & stony frags

Refusal 7'



SOIL PROFILE

(34)

Red brn silm-siCLLM Rx 15-20%

6' org brn excessive Rock begins Loamy sand

10' Refusal

(35)

Strong brn silm 2' fraggly frags 4' Loamy sand Rx <15% Bottom 13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-18-02	(A)	5 1/2' B	10:29:14	10:34:56	10:34:56	10:40:06	5+
		9' M / 11' V					
	(B)	Excessive Rock - Refusal 9'					(F)
	(42)	Per Plan Refusal @ 7'					
	(42a)	5' Refusal					
	(34)	Excessive Rx begins @ 6'					
	(35)	Nike soil profile but location not feasible due to surrounding failed holes.					

REMARKS: Holes A-G NOT per plan. POST-hole digger sized holes

TYPE OF SOIL: ADJ LOT HAS TWO POTABLE WELLS Barely

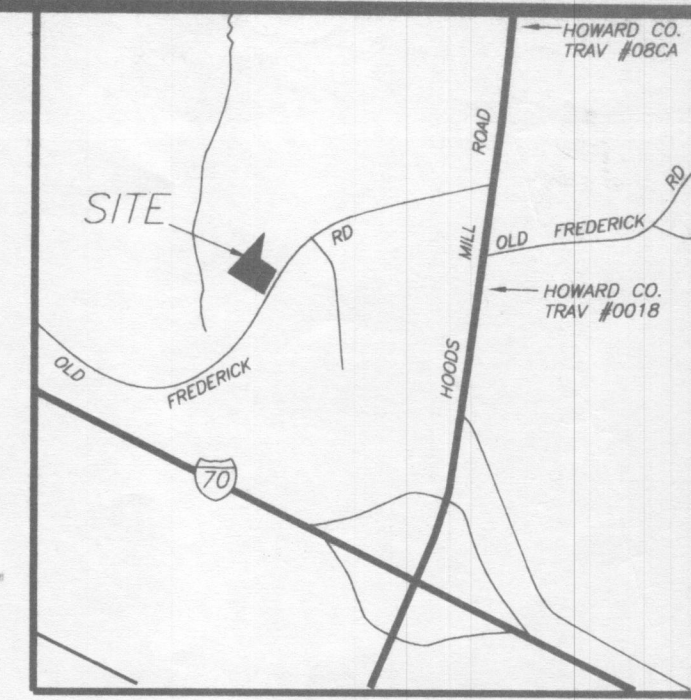
TESTED BY: (KN) Bypasses downslope well 200+ away ALSO PRESENT Kettermans

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

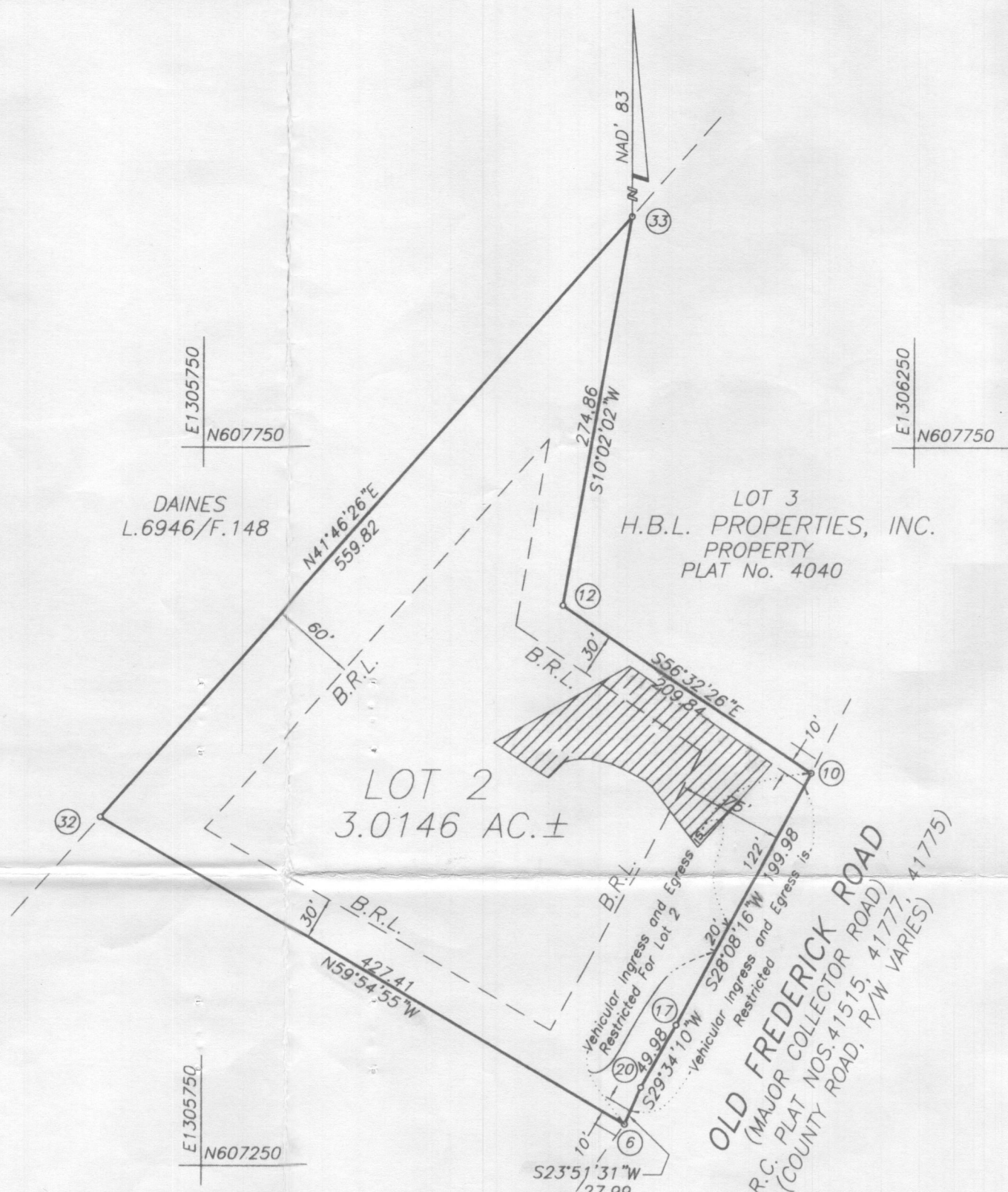
COORDINATES				
Pt	Northing(F)	Easting(F)	Northing(M)	Easting(M)
6	607278.8777	1306048.149	185098.9721	398084.2720
32	607493.1323	1305678.314	185164.2771	397971.5460
33	607910.6365	1306051.263	185291.5326	398085.2211
12	607639.9809	1306003.373	185209.0366	398070.6244
10	607524.2849	1306178.440	185173.7724	398123.9849
17	607347.9429	1306084.133	185120.0232	398095.2399
20	607304.4738	1306059.470	185106.7738	398087.7226

- IN ACCORDANCE WITH SECTION 16.1202(b)(1)(iii) OF THE FOREST CONSERVATION MANUAL, THIS SUBDIVISION IS EXEMPT FROM FOREST CONSERVATION OBLIGATIONS BECAUSE THIS IS A PLAT OF CORRECTION.
- THIS PROJECT IS EXEMPT FROM STORMWATER MANAGEMENT REQUIREMENTS.
- PREVIOUS FILE NUMBERS: VP-78-48, F-78-173, WP-04-081
- THE 20' ACCESS LOCATED AT THE CENTER OF LOT 2 IS FOR THE USE AND BENEFIT OF LOT 2, HOWEVER, LOTS 1 & 3 HAVE ACCESS RIGHTS TO 10' WITHIN THE PROPERTY BOUNDARY OF LOT 2 ALONG THEIR RESPECTIVE PROPERTY LINES.
- WP-04-081 TO WAIVE SECTION 16.119(f)(3) OF THE HOWARD COUNTY SUBDIVISION REGULATIONS AND ALLOW DIRECT DRIVEWAY ACCESS TO A MAJOR COLLECTOR ROAD (OLD FREDERICK ROAD) WAS APPROVED ON MARCH 6, 2004.



NOTES:

- COORDINATES BASED ON NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NOS. 0018 & 08CA
  - SUBJECT PROPERTY ZONED 'RC-DEO' PER 02/02/04 COMPREHENSIVE ZONING PLAN.
  - DRIVEWAY SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
    - WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN 1 RESIDENCE)
    - SURFACE - SIX (6) INCHES OF COMPACTED 'CRUSHER RUN' BASE WITH TAR AND CHIP COATING (1-1/2" MIN.)
    - GEOMETRY - MAX. 15% GRADE, MAX 10% GRADE CHANGE AND MINIMUM 45' TURNING RADIUS.
    - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING);
    - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1-FOOT DEPTH OVER DRIVEWAY SURFACE.
    - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
  - THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE RESERVE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS INTO THE PRIVATE SEWAGE RESERVE AREA.
  - THERE IS AN EXISTING DWELLING LOCATED ON LOT 2 TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLINGS ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIRE.
  - B.R.L. DESIGNATES BUILDING RESTRICTION LINE
  - THE REQUIREMENTS OF § 3-10B, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF THE MARKERS HAVE BEEN COMPLIED WITH.
- G. SCOTT SHANABERGER DATE
- RONALD & KAY ANDERSON 4/4/2004 DATE
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
  - THIS PLAT IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY SHANABERGER & LANE IN DECEMBER OF 2002.
  - THE AREAS SHOWN HEREON ARE NOT EXACT BUT ARE ROUNDED TO THE NEAREST 1 SQUARE FOOT AND THE NEAREST 0.0001 ACRE.



TABULATION OF FINAL PLAT

TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED:	1
BUILDABLE	0
NON-BUILDABLE	0
OPEN SPACE	0
PRESERVATION PARCELS	0
TOTAL AREA OF LOTS AND/OR PARCELS	3.0146 ACRES±
BUILDABLE	0
NON-BUILDABLE	0
OPEN SPACE	0
PRESERVATION PARCELS	0
TOTAL AREA OF RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS	0
TOTAL AREA OF SUBDIVISION TO BE RECORDED	3.0146 ACRES±

PURPOSE:

THE PURPOSE OF THIS SUBDIVISION PLAT IS TO CHANGE THE INGRESS & EGRESS FOR LOT 2 TO A DIFFERENT LOCATION ON LOT 2 AND RESTRICT LOT 2 FROM USING INGRESS & EGRESS POINTS SHOWN ON PLAT #4040 AND TO RELOCATE THE SEPTIC EASEMENT AS SHOWN ON PLAT #4040.

OWNERS LOT 2  
RONALD & KAY ANDERSON  
17823 CADDY DRIVE  
DARWOOD, MD. 20855

RECORDED AS PLAT # \_\_\_\_\_  
ON \_\_\_\_\_ AMONG THE LAND  
RECORDS OF HOWARD COUNTY, MD.

APPROVED: FOR PRIVATE WATER & PRIVATE SEWER SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]* 4/2/04  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

DIRECTOR DATE

OWNERS CERTIFICATE

WE, RONALD ANDERSON AND KAY ANDERSON, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND IT'S SUCCESSORS AND ASSIGNS,

- THE RIGHT TO LAY, CONSTRUCT, AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHT-OF-WAYS AND THE SPECIFIC EASEMENTS SHOWN HEREON;
- THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACES, WHERE APPLICABLE, AND FOR OTHER GOOD AND VALUABLE CONDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY, TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES, AND OPEN SPACES, WHERE APPLICABLE; AND
- THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THIER CONSTRUCTION, REPAIR AND MAINTENANCE; AND
- THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.

WITNESS BY OUR HANDS THIS 4 DAY OF APRIL, 2004

*[Signature]* 4/4/2004 (OWNER) DATE  
*[Signature]* 4/4/04 (WITNESS) DATE

*[Signature]* 4/4/2004 (OWNER) DATE  
*[Signature]* 4/4/04 (WITNESS) DATE

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A RESUBDIVISION OF ALL OF THE LAND CONVEYED BY ARTHUR E. SECKER TO RONALD ANDERSON & KAY ANDERSON, BY DEED DATED MARCH 28, 2003 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MD. IN LIBER 7004 FOLIO 192 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY, AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.

*[Signature]* 4/6/2004  
G. SCOTT SHANABERGER DATE  
PROFESSIONAL L.S. #10849

SHANABERGER & LANE  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLCOTT CITY, MD. 21043  
(410) 461-9563

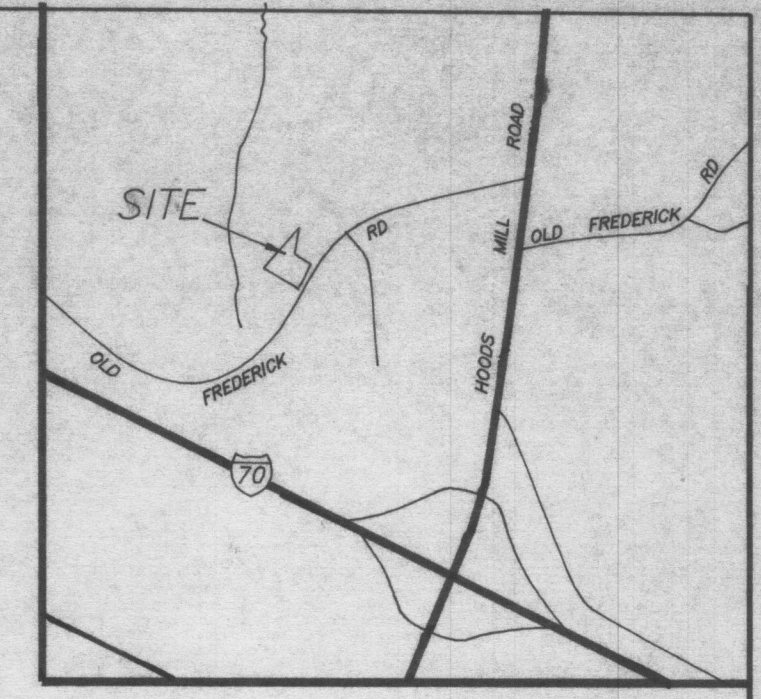
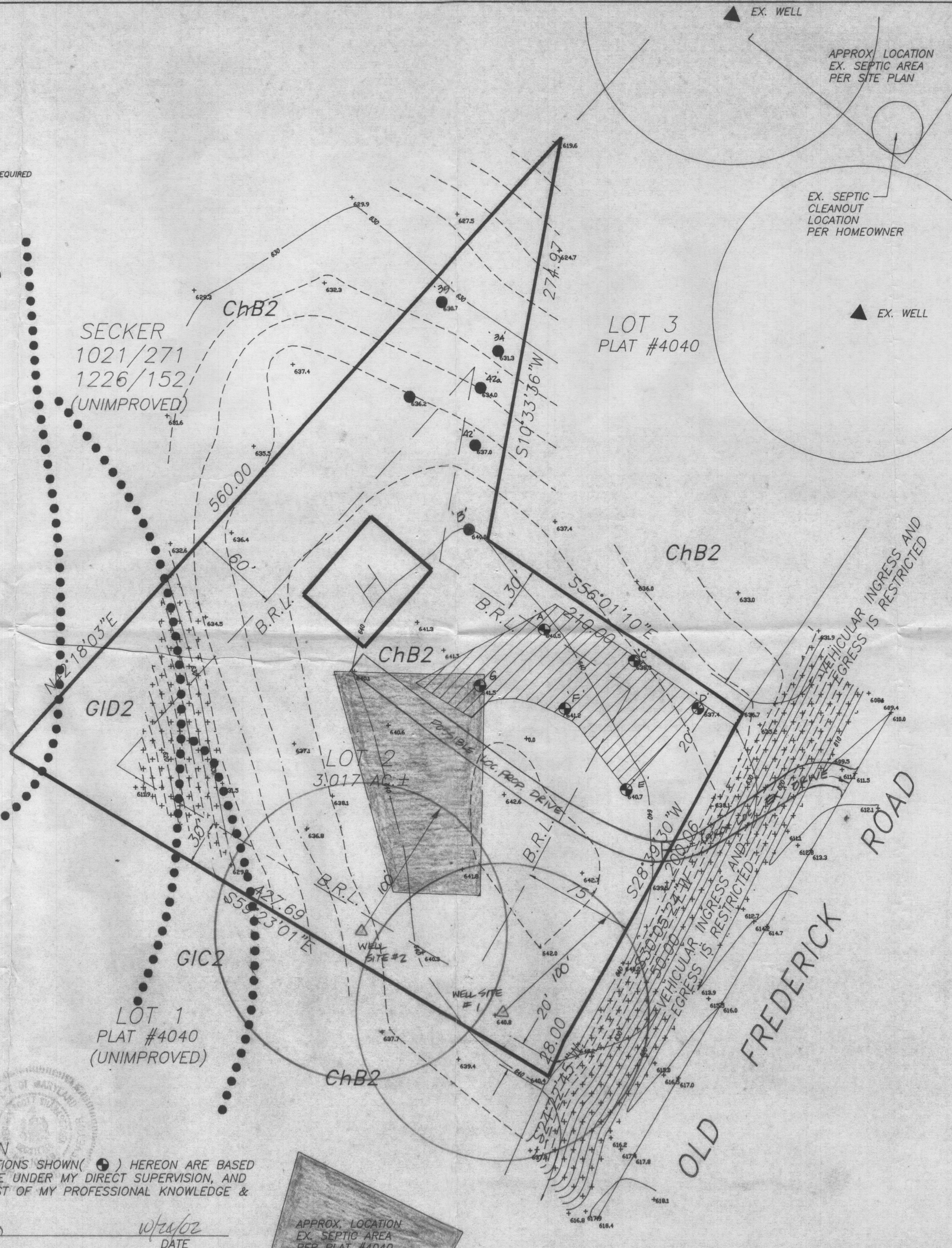
REVISION PLAT  
LOT 2  
H.B.L. PROPERTIES, INC.  
PROPERTY  
A REVISION TO LOT 2, H.B.L. PROPERTIES, INC. PROPERTY AS SHOWN ON PLAT NO.4040  
4TH ELECTION DISTRICT, HOWARD COUNTY, MD  
TAX MAP 8 GRID 20 PAR.P/O 93  
ZONED: 'RC-DEO'  
SCALE: 1"=100'  
MARCH 10, 2004  
PREVIOUS DPZ FILES: SEE NOTE #13  
SHEET 1 OF 1

F-04-153 0's only Health Dept



NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE ON OCTOBER 23, 2002.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE  
 ● DESIGNATES APPROVED PERC TEST  
 ○ DESIGNATES FAILED PERC TEST  
 ●●●● DESIGNATES SOIL TYPE BOUNDARY  
 ▲ DESIGNATES EX. WELL  
 △ DESIGNATES PROPOSED WELLS  
 + + + DESIGNATES SLOPES > 25%
3. THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS DISPOSAL AREA SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ADJUSTMENTS IN THE PRIVATE SEWAGE EASEMENT.
4. PRIVATE SEWAGE DISPOSAL AREA PER PLAT #4040.
5. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP AND LOT AREA AS REQUIRED BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
6. SUBJECT PROPERTY ZONED: RC-DEO
7. [H] DESIGNATES PROPOSED HOUSE SITE
8. S.D.A. = 10,127 S.F.



VICINITY MAP  
SCALE: 1"=2000'

SIGNED COPY

APPROVED: FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT.  
*[Signature]* 11/5/02  
 COUNTY HEALTH OFFICER (KN) DATE

SHANABERGER & LANE  
 8726 TOWN & COUNTRY BLVD.  
 SUITE 201  
 ELLICOTT CITY, MD. 21043  
 PHONE: 410-461-9563  
 FAX: 410-461-9693

PERC CERTIFICATION  
 I CERTIFY THAT THE LOCATIONS SHOWN (●) HEREON ARE BASED ON FIELD-LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE &  
*[Signature]* 11/5/02  
 G. SCOTT SHANABERGER DATE

APPROX. LOCATION EX. SEPTIC AREA PER PLAT #4040

FIELD-LOCATED PERC. TEST PLAT LOT 2  
 H.B.L. PROPERTIES, INC.  
 PROPERTY (PLAT #4040)  
 TAX MAP 8 PARCEL 360  
 4TH ELECTION DIST. HOWARD CO., MD.  
 SCALE: 1"=50' OCTOBER 23, 2002  
 REV. 11/5/02