

APPLICATION

PERCOLATION TESTING

A 51 8 514

P _____

DISTRICT _____

DATE 1/16/03

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

1/16/03
PERC FOR
EX. LOT
OF RECORD

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 Robert & Jeanne Kruhm

ADDRESS 12570 Hall Shop Road PHONE 301-854-2861
Fulton, MD 20759

AGENT OR PROSPECTIVE BUYER Sam Lancelotta Bldr Fred Dickson
9724 Owen Brown Road

ADDRESS 5054 Dorsey Hall Drive PHONE 410-740-8880 21045
Suite 204, Ellicott City, MD 21042

PROPERTY LOCATION: 12570 Hall Shop Road Fulton, MD 20759

SUBDIVISION N/A LOT NO. Parcel 500

ROAD AND DESCRIPTION Hall Shop Road, West side, 1/8 mile north
of MD 2161 Hall Shop Intersection

TAX MAP 40 PARCEL # 500

SIZE OF LOT 1.39 Ac 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. Steve Weiss
(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

P. 500

COUNTY #

SOIL PROFILE

(3) (5)
25-35% Rx

1 1/2
dk. brn
hvy salm

4
brn
dk. brn
beige
salm
10-20%
frags

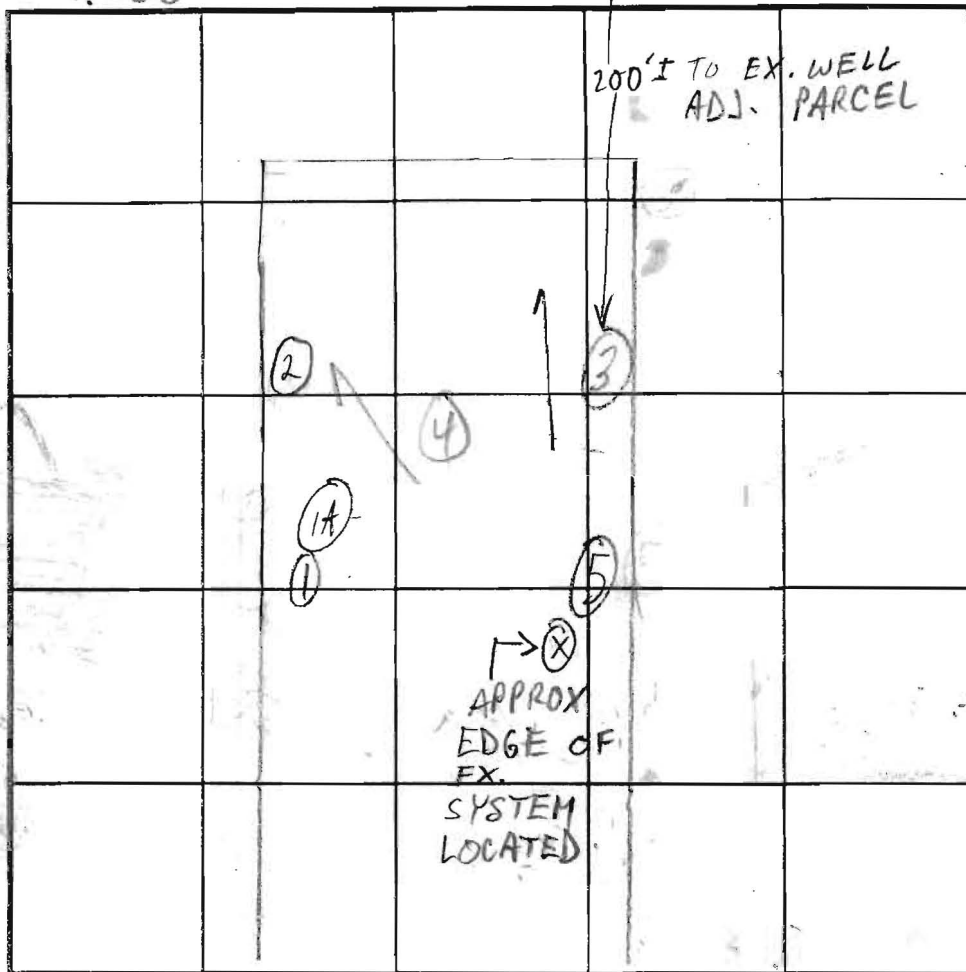
12
1
dk. brn
hvy lm

5 1/2
red brn
hvy lm

7-9
tan brn
salm
10-15%
frags

13
2
dk. brn
orpe red
hvy lm

4
brn tan
beige
salm
10-20%
frags



SOIL PROFILE

1A 4
dk. brn
el lm

5-6
tan
lt. brn
salm
10-15%
frags

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/24/03	5 S	5' / 12	11:21	11:22	11:22	11:25	3	
	1 S	5' 9" / 6' 9"	11:32 11:41	11:36 11:44	SLOW SLOW	4"		
	1 S	7' 3" / 13	11:51	12:00	SLOW		FAIL	
	2 S	5' / 12	11:47	11:53	11:53	12:01	8	
	3 S	5' 3" / 12 1/2	11:54	12:01	12:01	12:09	8	
	1A S	5' 3" / 7	12:16 12:28	12:20 12:31	SLOW 12:31	12:44	13	
	4 V	12' 3"	OK see profile					

REMARKS FIELD RUN TOPO REQ'D TO AVOID DOWNSLOPE WELL

TYPE OF SOIL

TESTED BY M. Rifkin

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 8

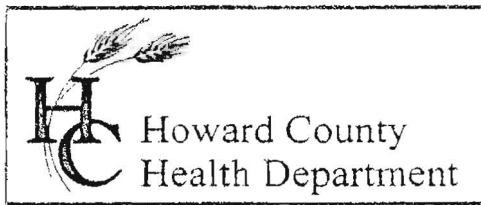
TRENCH WIDTH 2

INLET DEPTH 4

MAXIMUM BOTTOM DEPTH 8

SO FT/BEDROOM

210 EPS/W: 3'



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

February 3, 2003

Mr. & Mrs. Robert Kruhm
12570 Hall Shop Road
Fulton, MD 20759

RE: Percolation Test Results - A518045, A518514
Tax Map 40, Parcel 267 (Repair to Ex. System)
Tax Map 40, Parcel 500 (Ex. Parcel of Record)
12570 Hall Shop Road

Dear Mr. and Mrs. Kruhm:

Percolation testing conducted January 24, 2003 on the referenced properties indicated satisfactory soil conditions, although some holes were limited by deep clay layers. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations and elevations of all excavated test holes
- 2) a suitable house and well site for each lot
- 3) all existing wells and septic systems/reserve areas on the property
- 4) locations of any other relevant features such as streams, swales, or existing structures
- 5) a note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 6) a note indicating that depicted topography reflects field-matched information
- 7) proposed schedule for proper abandonment of the existing septic system and hand dug well

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,

Mark E. Rifkin, R.S.


Well and Septic Program

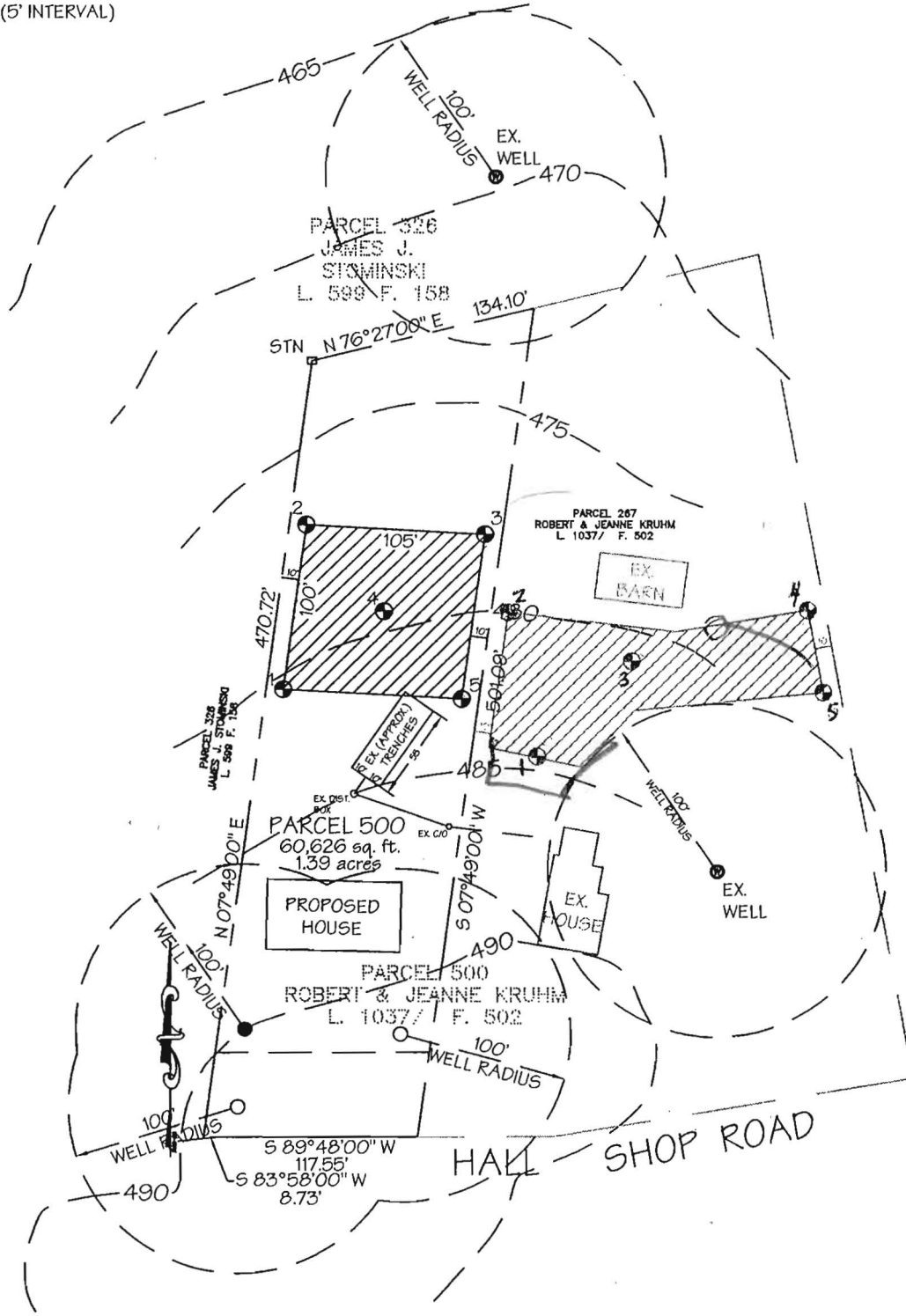
MR

Enclosures

cc: Sam Lancelotta
Fred Dickson
Steve Heiss, LDE
File

LEGEND

-  THIS AREA REPRESENTS A PROPOSED 10000 SQ. FOOT SEPTIC FIELD.
- ALTERNATIVE WELL LOCATION
- PREFERRED WELL LOCATION
- EX. CONTOUR (5' INTERVAL)



PROPERTY KNOWN AS:
 12570 HALL SHOP ROAD
 LIBER 1037 FOLIO 502
 MAP 40 GRID 11 PARCEL 500
 HOWARD COUNTY, MD

SCALE 1" = 100' DATE 1/14/02

LDE Inc.
 Engineers, Surveyors, Planners
 9250 Rumsey Road, Suite 106
 Columbia, Maryland - 21045
 (410)715-1070 - (410)715-9540 Fax

PERCOLATION TESTING
 APPLICATION PLAN

Legend Projects 824501.dwg LDE PLOT 100 SCALE.dwg, Layout1, 1/20/2003 3:37:10 PM

NOTE:
 ALL ONSITE SOILS ARE LISTED
 AS MANOR LOAM (PER HOWARD
 COUNTY SOIL SURVEY SHT 18.)
 MANOR SOILS ARE HYDROLOGIC
 TYPE "B"

PROPERTY OWNERS
 ROBERT & JEANNE KRUEHM
 P.O. BOX 230
 FULTON, MD 20759

+481.90'

+476.48

Signed PC

PARCEL 328
JAMES J. STOMINSKI
L. 599 F. 158

100°50'48" E

470.72'

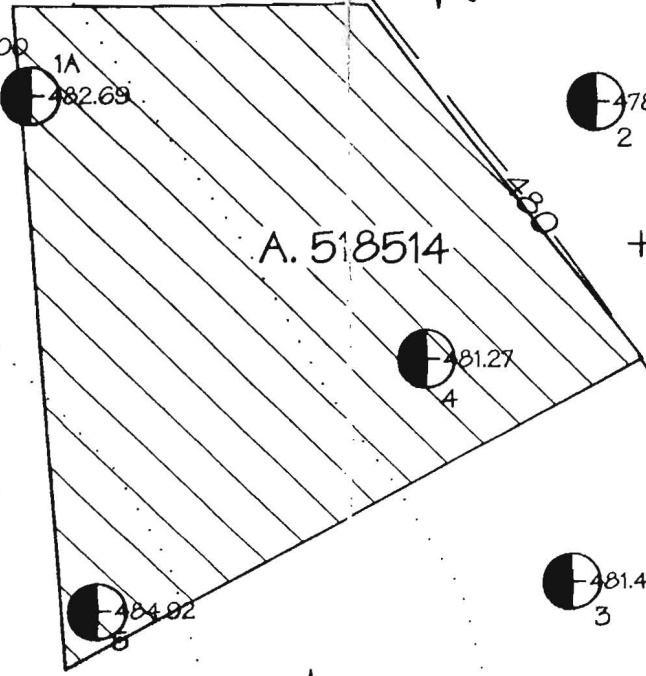


EX. DRY WELL
TO BE
ABANDONED

EX. SEPTIC
SYSTEM (TO BE
ABANDONED)

EX. (APPROX.)
TRENCHES
+485.33

EX. SEPTIC
TANK (TO BE
ABANDONED)



A. 518514

+483.00
1A
+482.69

+478.86
2

+479.6

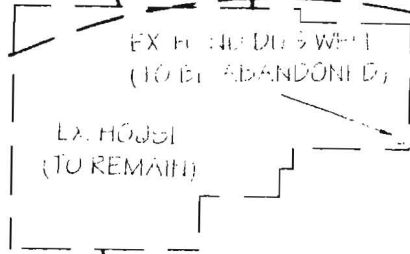
+481.27
4

+481.45
3

+484.92
5

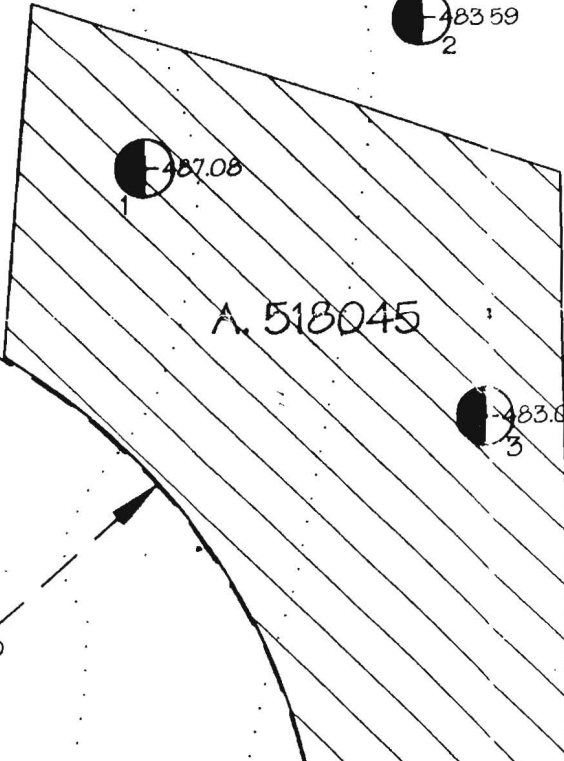
S 00°50'48" W

501.09'



EX. FOUND DRY WELL
(TO BE ABANDONED)

EX. HOUSE
(TO REMAIN)



A. 518045

+483.59
2

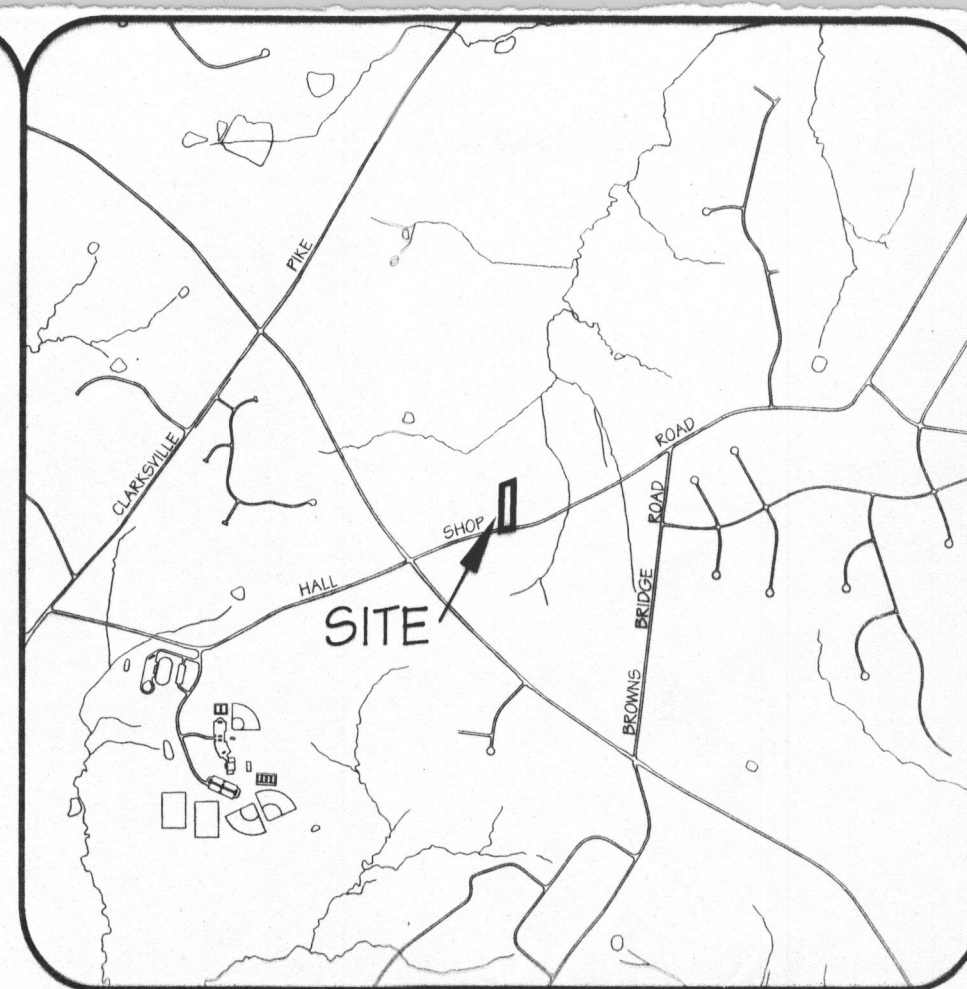
+487.08

+483.96
3

100'
WELL RADIUS

+481.08

This area designates a private sewage disposal area as required by the Maryland Department of the Environment for individual sewage disposal improvements of any nature in this area are restricted until public sewage is available. These disposal areas shall become null and void upon connection to a public system. The County Health Officer shall have the authority to grant adjustments to the disposal areas.



VICINITY MAP
1" = 2000'

PARCEL NO.	HOLE NO.	TIME
500	1A	13 min.
500	2	8 min.
500	3	8 min.
500	4	VISUAL
500	5	3 min.
267	1	2 min.
267	2	2 min.
267	3	17 min.
267	4	30 min.
267	5	8 min.

NOTES:

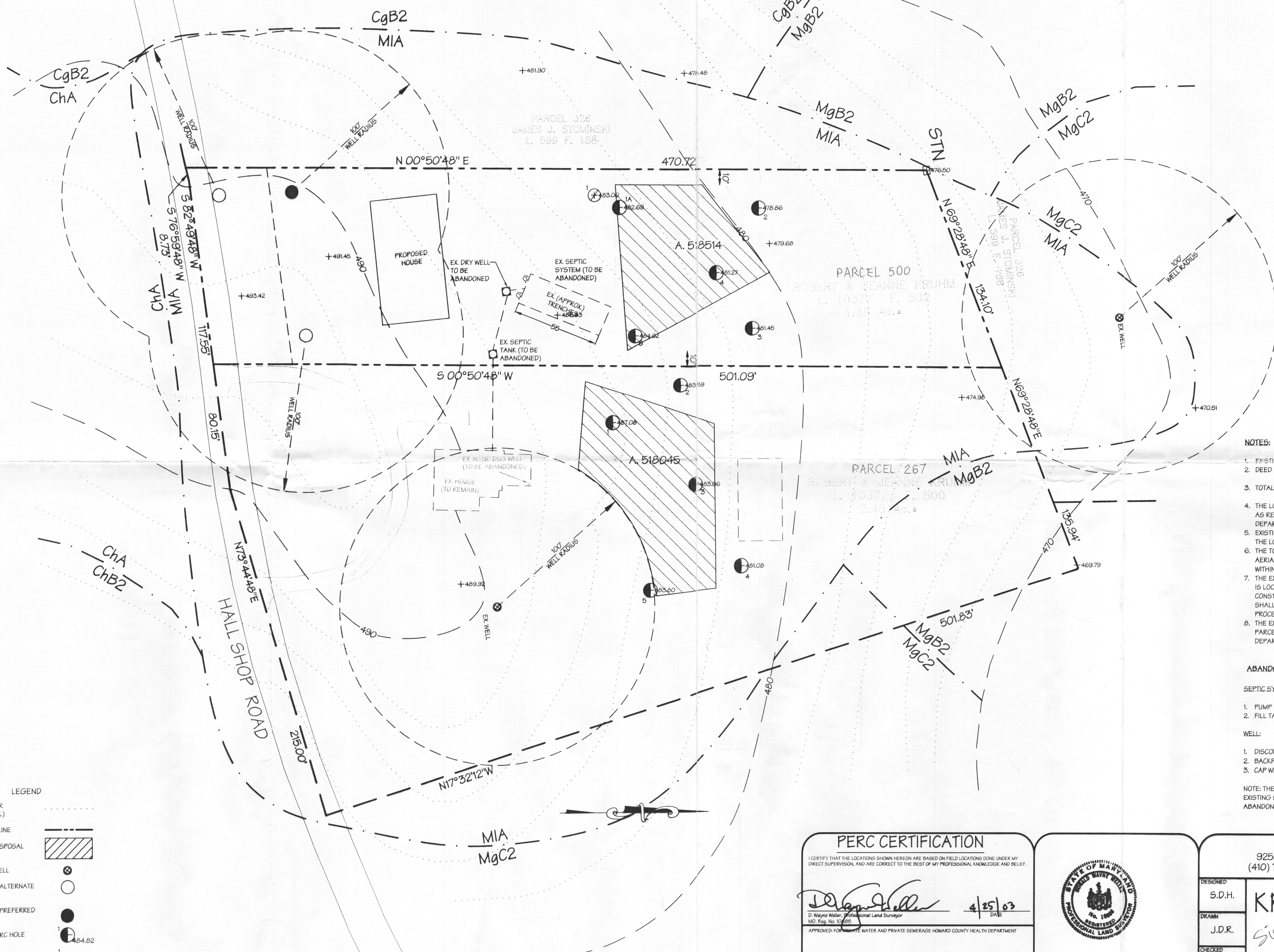
- EXISTING ZONING: RR, DEC
- DEED REFERENCE: PARCEL 500: L. 1037, F. 502
PARCEL 267: L. 1037, F. 500
- TOTAL AREA OF LOTS: PARCEL 500, 1.39+ ACRES
PARCEL 267, 2.45+ ACRES
- THE LOTS SHOWN COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND SEPTIC SYSTEMS HAVE BEEN SHOWN WITHIN 100 FEET OF THE LOTS WHICH MAY EFFECT THIS PROPOSAL.
- THE TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY AERIAL TOPOGRAPHY AND ADJUSTED FOR FIELD SHOT ELEVATIONS WITHIN THE PROPOSED SEWAGE DISPOSAL AREAS.
- THE EXISTING SEPTIC SYSTEM SERVING THE EXISTING DWELLING ON PARCEL 267 IS LOCATED ON PARCEL 500. ONCE THE NEW SEPTIC SYSTEM ON PARCEL 267 IS CONSTRUCTED AND FUNCTIONAL, THE EX. SEPTIC SYSTEM ON PARCEL 500 SHALL BE ABANDONED IN ACCORDANCE WITH HEALTH DEPARTMENT PROCEDURES.
- THE EXISTING HAND DUG WELL LOCATED WITHIN THE EXISTING DWELLING ON PARCEL 267 SHALL BE ABANDONED IN ACCORDANCE WITH HEALTH DEPARTMENT PROCEDURES BY A LICENSED WELL DRILLER.

ABANDONMENT PROCEDURES FOR EX. SEPTIC SYSTEM AND HAND DUG WELL

- SEPTIC SYSTEM:
- PUMP EX. SEPTIC TANK AND EX. DRY WELL.
 - FILL TANK WITH EARTH MATERIAL AND CRUSH LID.

- WELL:
- DISCONNECT PUMP FROM WELL.
 - BACKFILL WELL COMPLETELY WITH CLEAN EARTH MATERIAL.
 - CAP WELL WITH CONCRETE.

NOTE: THE EXISTING WELL WITHIN THE EXISTING HOUSE ON PARCEL 267 AND THE EXISTING SEPTIC SYSTEM FOR THE EXISTING HOUSE ON PARCEL 267 SHALL BE ABANDONED PRIOR TO ISSUANCE OF A BUILDING PERMIT FOR PARCEL 500.



File and Print: 4/25/03 10:00 AM

LEGEND

EX. CONTOUR (2' INTERVAL)	---
PROPERTY LINE	---
SEWAGE DISPOSAL EASEMENT	▨
EXISTING WELL	⊕
PROPOSED ALTERNATE WELL	○
PROPOSED PREFERRED WELL SITE	●
PASSED PERC HOLE	⊙
FAILED PERC HOLE	⊕
SOILS BOUNDARY	---

HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
B	MIA	Manor Loam, 0% - 3% slopes.	

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 AND BELIEF.

D. Wayne Weller 4/25/03
D. Wayne Weller, Professional Land Surveyor
MD Reg. No. 10785
DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE HOWARD COUNTY HEALTH DEPARTMENT

Penny Borestein 5-12-03
Penny Borestein, M.D., M.P.H.
Howards County Health Officer
DATE



LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

Percolation Certification Plat

DESIGNED: S.D.H.
DRAWN: J.D.R.
CHECKED: B.D.B.

KRUHM PROPERTY

Parcel 500 and 267
L1037 F.502
Tax Map No. 40, Grid 11
5th Election District, Howard County, Maryland

DATE: 3/2003
REV: 4/2003

Owner: Robert and Jeanne Kruhm
12570 Hall Shop Road
Fulton, Maryland 20759
301-954-2861

Developer: Fulton Restoration LLC
5064 Dorsey Hall Drive
Suite 204
Columbia, Maryland 21042
(410) 740-8800

SCALE: 1"=30'
DRAWING: 1 of 1
JOB NO.: 03-008
FILE NO.: