

LAYOUT 11/26/03 DA INSP 4 \_\_\_\_\_  
 INSP 2 12/1/03 3pm INSP 5 \_\_\_\_\_  
 INSP 3 2/27/04 INSP 6 \_\_\_\_\_

ISSUE DATE: 11/19/2003

P 519666

APPROVAL DATE: 12/1/03 (FA)

A 517413-A

**PERMIT**  
 INDEXED

**ON-SITE SEWAGE DISPOSAL SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH**

*-not found-*

Farm & Home Excavating IS PERMITTED TO INSTALL  ALTER

ADDRESS: 901 Driver Road, Marriottsville PHONE NUMBER: 410-442-5623

SUBDIVISION: TM 40 Parcel 281 LOT NUMBER: \_\_\_\_\_

ADDRESS: 13200 Clarksville Pike PROPERTY OWNER: Rosmond Fowler

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 248

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box as shown in the south corner of the Septic Disposal Area.
NOTES:	

PLANS APPROVED: John Boris DATE: 2/5/2003

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

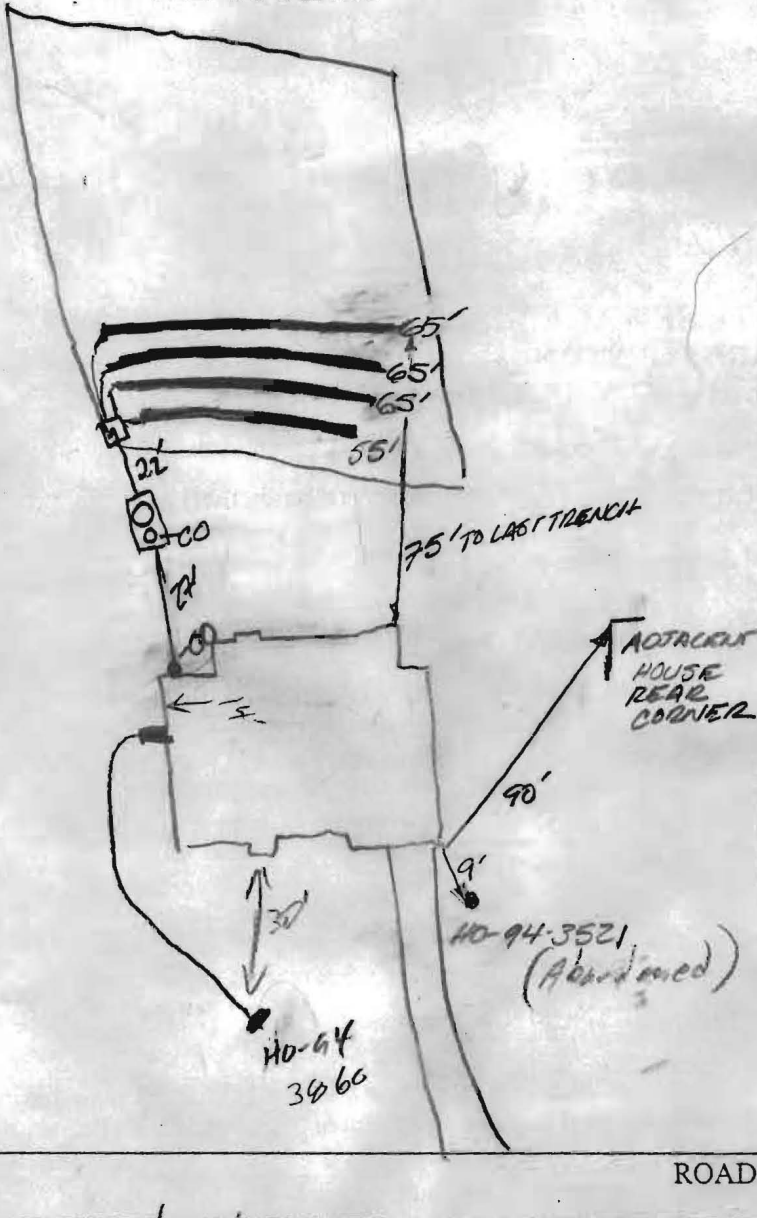
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT BUILDING PERMITSIGNED 313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

**AND RETURNED**

1/24/05 800 445 231 - LP TANK

A517413-A

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	3'
NUMBER OF TRENCHES		4
TOTAL LENGTH		250
ABSORPTION AREA		750 ft <sup>2</sup>
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		NO

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	1'
BAFFLES	YES
BAFFLE FILTER	N/A
MANHOLE LOC	CENTER
6" PORT LOC	YES (LOW)
WATERTIGHT TEST	N/A
SEPTIC TANK 2 LEVEL	<input type="checkbox"/>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 11/26/03 - SFA staked, contour accurate. Install (3) 65' trenches (SD)

INSTALLATION 11/26/03 - Adj house well is 30' closer. Losing 10' of top corner. Install (1) 55' & (3) 65' trenches, 10' etc so

12/1/03 TRENCHES INSTALLED AS REQUIRED BUT 12' etc. NO LEVELERS INSTALLED ON DB. INSTALL LEVELERS BEFORE COVERING. (FA)

FINAL INSPECTOR FA DATE OF APPROVAL 12/1/03

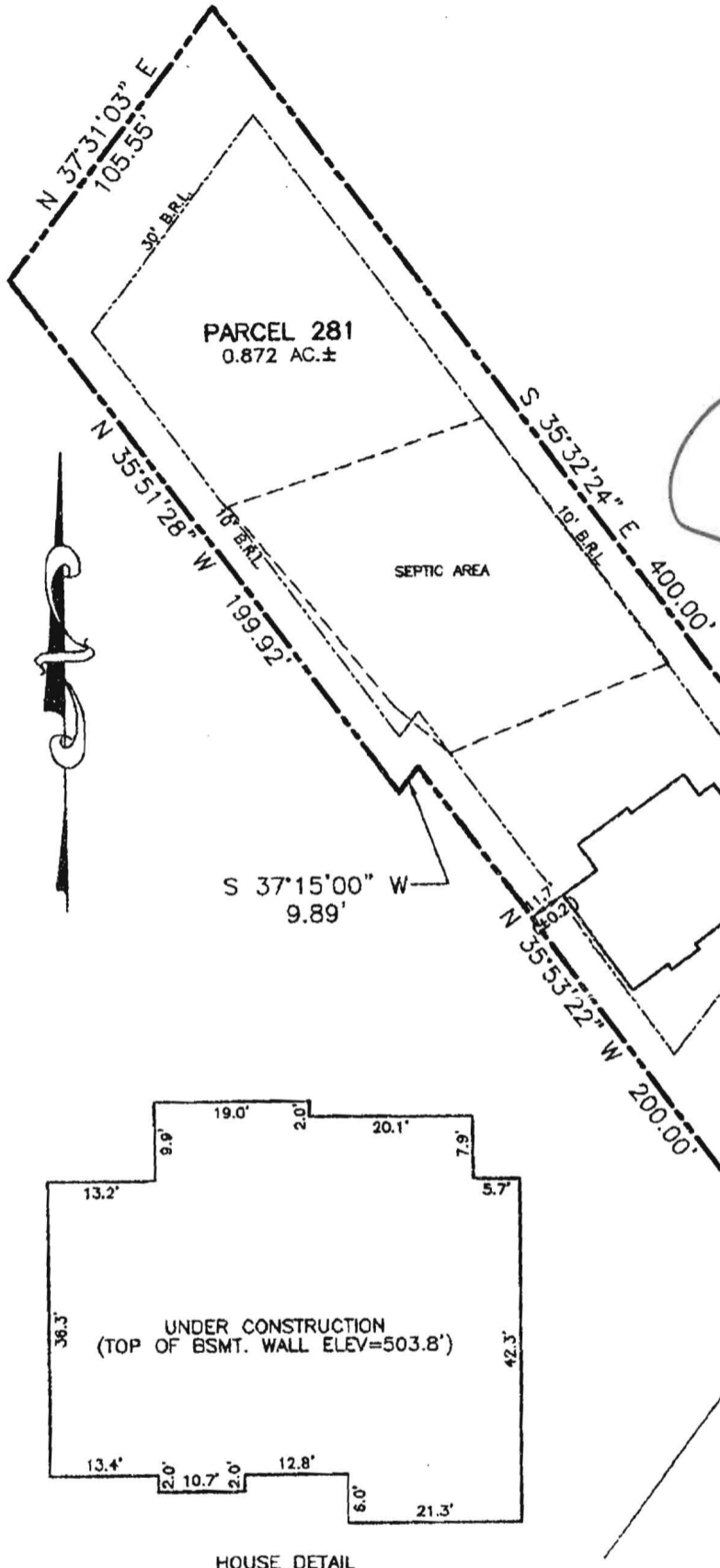
BUILDING PERMIT SIGNED AND RETURNED

CONSUMER NOTES: THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING; THAT THIS PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT FOR LOCATION OF FENCES, GARAGES, BUILDINGS, OTHER EXISTING OR FUTURE IMPROVEMENTS; THAT THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.  
 NOTES: NO TITLE REPORT FURNISHED FOR THIS SURVEY.

I HEREBY CERTIFY THAT THE POSITION OF EXISTING IMPROVEMENTS SHOWN HEREON HAS BEEN CAREFULLY ESTABLISHED USING ACCEPTED FIELD PRACTICES.

09/30/03  
 DATE

*George E. Nagel*  
 GEORGE E. NAGEL  
 PROFESSIONAL LAND SURVEYOR  
 MARYLAND REGISTRATION NUMBER  
 21052



11/4/03  
 No Well Location

Permit Not Released **BB**  
~~Older (original)~~



George E. Nagel & ASSOCIATES, INC.

LAND SURVEYORS  
 21822 Ringgold Pike Hagerstown, Maryland 21742  
 (301) 416-2225 Fax (301) 416-2738

WALL CHECK FOR TAX MAP 40, PARCEL 281

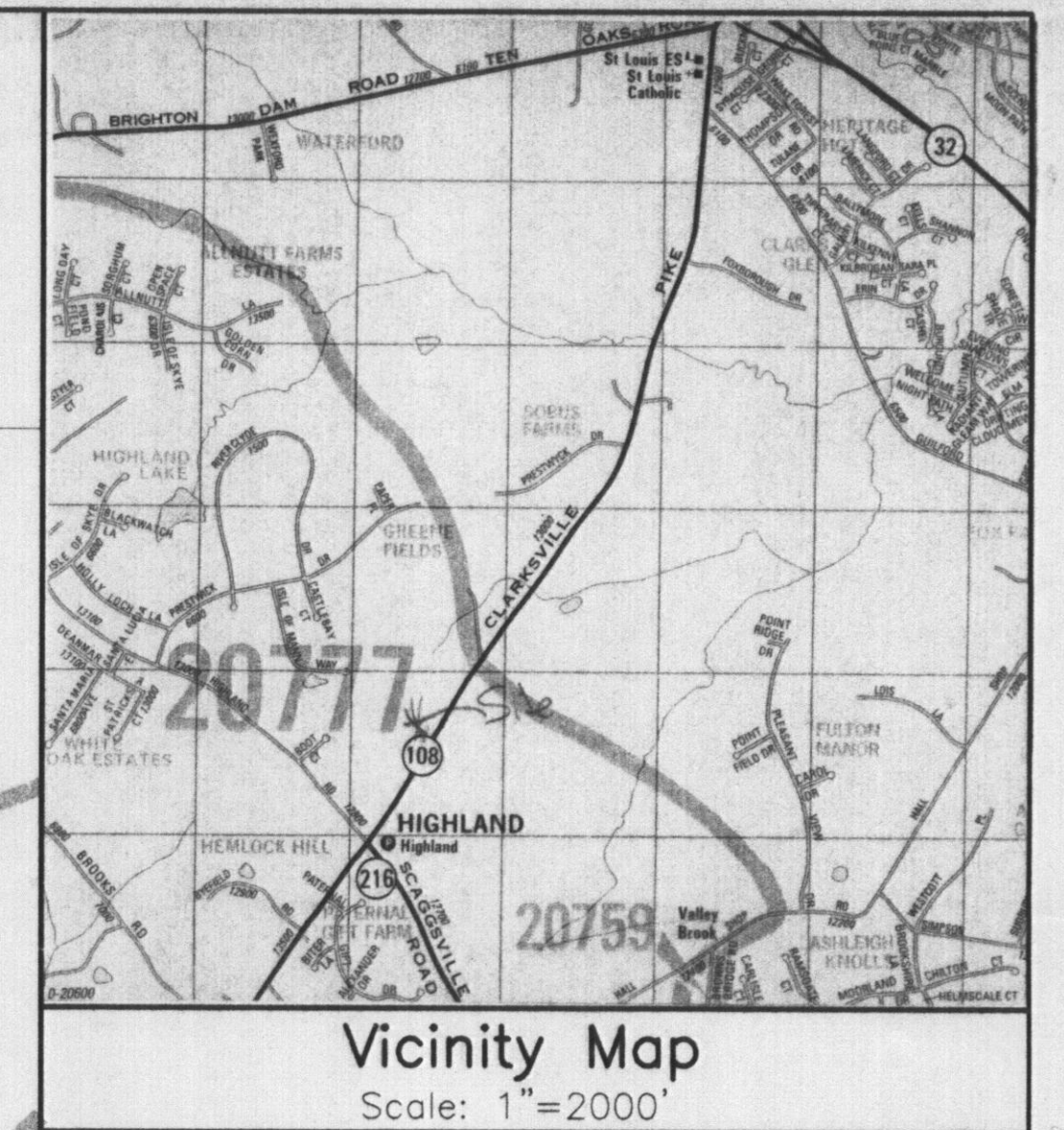
CLARKSVILLE PIKE  
 HOWARD COUNTY, MARYLAND  
 SCALE 1"=50' MAY, 2003

REVISED 09/30/03 - ADDED TOP OF BSMT. WALL ELEV.

A-0030

SOILS

SYMBOL	MAPPING UNIT	WATER TABLE
EkB2	ELIOAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	20+
EkC2	ELIOAK SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	20+
ChB2	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	20+
CgB2	CHESTER GRAVELY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	20+
Ha	HATBORO SILT LOAM	0-1



PERK TESTING RESULTS:

THE FOLLOWING PERCOLATION TEST RESULTS WERE OBSERVED ON SEPTEMBER 5, 2002 BY JOHN A. BORIS OF THE HOWARD COUNTY HEALTH DEPARTMENT.

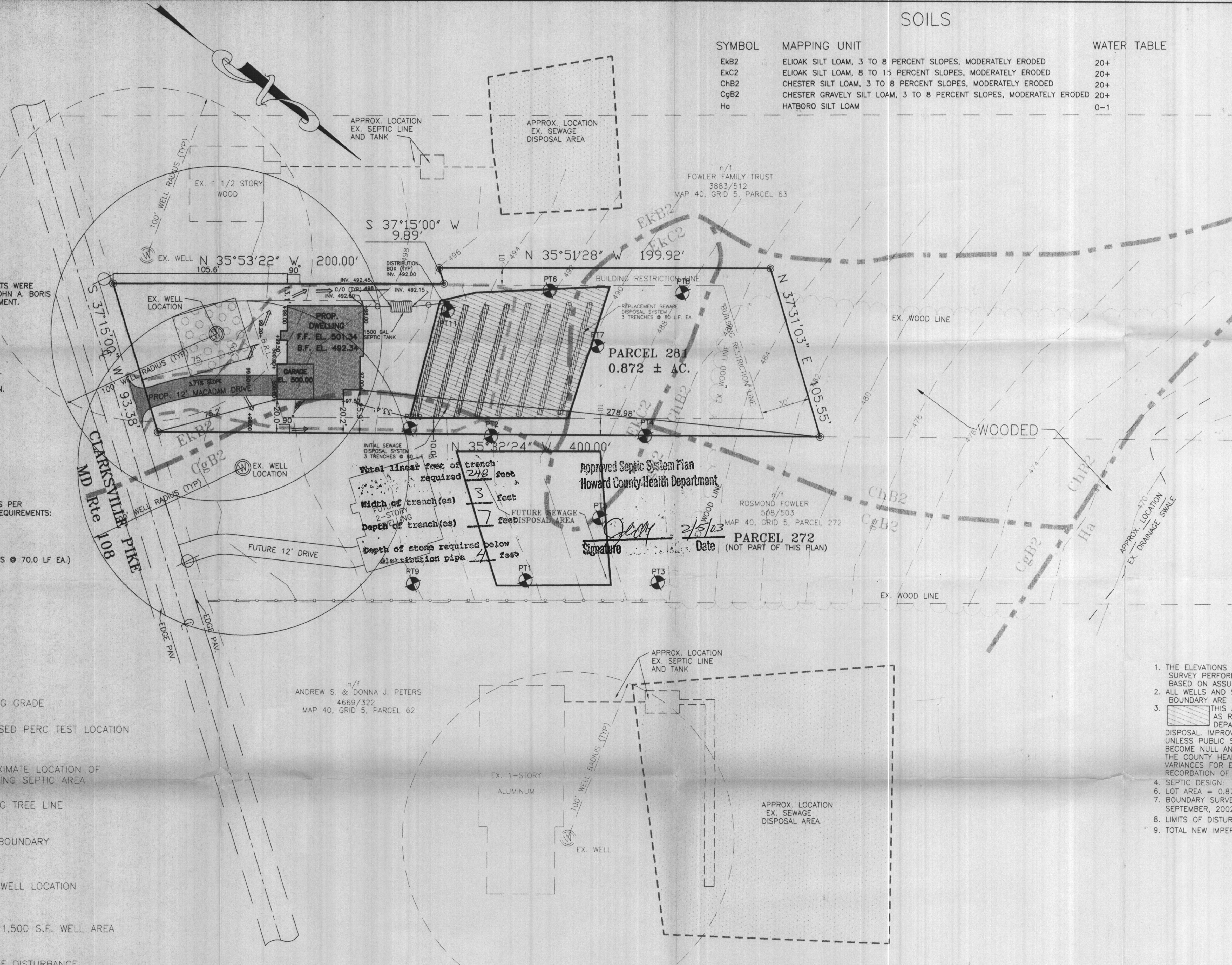
TEST #	DEPTH	TIME
PT #1	6'/14"	5 MIN.
PT #2	6'/14"	5 MIN.
PT #3	6'/14"	7 MIN.
PT #4	5.5'/14.5"	1 MIN.
PT #5	14'	2-7 MIN.
PT #6	6'/14.5"	>30 MIN.
PT #7	5.5'/14"	>30 MIN.
PT #8	5'/14"	>30 MIN.
PT #9	5.5'/14"	3 MIN.
PT #10	14'	2-7 MIN.
PT #11	6'/14"	5 MIN.

AVERAGE PERCOLATION TIME = 9 MIN.  
 INLET DEPTH = 4.0'  
 TRENCH WIDTH = 3.0'  
 MAXIMUM BOTTOM DEPTH = 7.0'  
 SQ. FT. PER BEDROOM = 210 SQ. FT.

SEWAGE DISPOSAL SYSTEM REQUIREMENTS PER HOWARD COUNTY HEALTH DEPARTMENT REQUIREMENTS:

SEPTIC DESIGN: 4 BEDROOM HOUSE  
 210 SF / BEDROOM = 840 SF

INITIAL AND REPLACEMENT SYSTEM:  
 TRENCH LENGTH = 280 LF (4 TRENCHES @ 70.0 LF EA.)  
 SEPTIC TANK SIZE: 1250 GAL.



Total linear feet of trench required 248 feet  
 Width of trench(es) 3 feet  
 Depth of trench(es) 7 feet  
 Depth of stone required below distribution pipe 4 feet

Approved Septic System Plan  
 Howard County Health Department

Signature: *George E. Nagel*  
 Date: 2/5/03

LEGEND

- EXISTING GRADE
- PROPOSED PERC TEST LOCATION
- APPROXIMATE LOCATION OF EXISTING SEPTIC AREA
- EXISTING TREE LINE
- EkB2 SOILS BOUNDARY
- CgB2 SOILS BOUNDARY
- PROP. WELL LOCATION
- PROP. 1,500 S.F. WELL AREA
- LIMIT OF DISTURBANCE

GENERAL NOTES:

1. THE ELEVATIONS SHOWN HEREON WERE ESTABLISHED FROM A FIELD SURVEY PERFORMED JULY, 2002 BY MARYLAND LAND DESIGN, INC., BASED ON ASSUMED DATUM.
2. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF ANY PROPERTY BOUNDARY ARE SHOWN HEREON.
3. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNLESS PUBLIC SEWAGE BECOMES 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 ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
4. SEPTIC DESIGN: 4 BEDROOM HOUSE
5. LOT AREA = 0.872 ACRES
6. BOUNDARY SURVEY PERFORMED BY GEORGE E. NAGEL & ASSOCIATES, INC. SEPTEMBER, 2002.
7. LIMITS OF DISTURBANCE: 0.34 ACRES.
8. TOTAL NEW IMPERVIOUS AREA: 3600± S.F.

Approved for private water and private sewerage systems in conformance with the Master Plan of Howard County.

Howard County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

CONTRACT PURCHASER/DEVELOPER:

BELLA DONNA HOMES  
 MR. TONY DESIMONE  
 337 PIER ONE ROAD, SUITE 204  
 STEVENSVILLE, MD 21666  
 301-399-4791

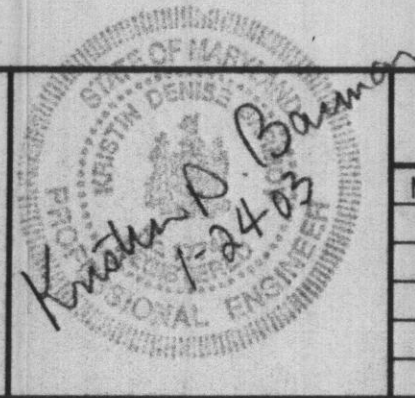
OWNER:

ROSMOND E. & INEZ FOWLER  
 4820A FROELICH LANE  
 HYATTSVILLE, MD 20781-1207

**MARYLAND LAND DESIGN, INC.**  
 CONSULTING ENGINEERS AND LAND PLANNERS

2001 MEADOW DRIVE  
 WESTMINSTER, MARYLAND 21158  
 TELEPHONE: (410) 857-0210 FAX: (410) 857-8030

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REVISIONS

NO.	DATE	DESCRIPTION
1	12/11/02	ADDED LOD, DIMENSIONS, AND MACADAM DRIVEWAY
2	1/23/03	ADDED IMPERVIOUS AREA NOTE, CHANGES PER H.C.H.D.

PLAN PREPARATION

DRAWN BY: DWS	DATE: 22 NOVEMBER 2002
DESIGNED BY: DWS	FILE NO. 2002-45
CHECKED BY: DAB	DRAWING NO.

SITE PLAN

**PARCEL 281, CLARKSVILLE PIKE**

TAX MAP 40, BLOCK 5, PARCEL NO. 281; LIBER 508 FOLIO 503  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE

1" = 30'  
 SHEET NO.  
 1 OF 1