

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 1/13/2006

P 523908

APPROVAL DATE: _____

A 516060

PERMIT

TAX ID #04-367383

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

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS: 4410 Salem Bottom Rd., Westminster 21157 PHONE NUMBER: 410-875-4197

SUBDIVISION: Cope/Knill Property LOT NUMBER: 2

ADDRESS: 15305 Old Frederick Road PROPERTY OWNER: Charlene Brown

SEPTIC TANK CAPACITY (GALLONS): 1000 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1000 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 3

SQUARE FEET PER BEDROOM: 180

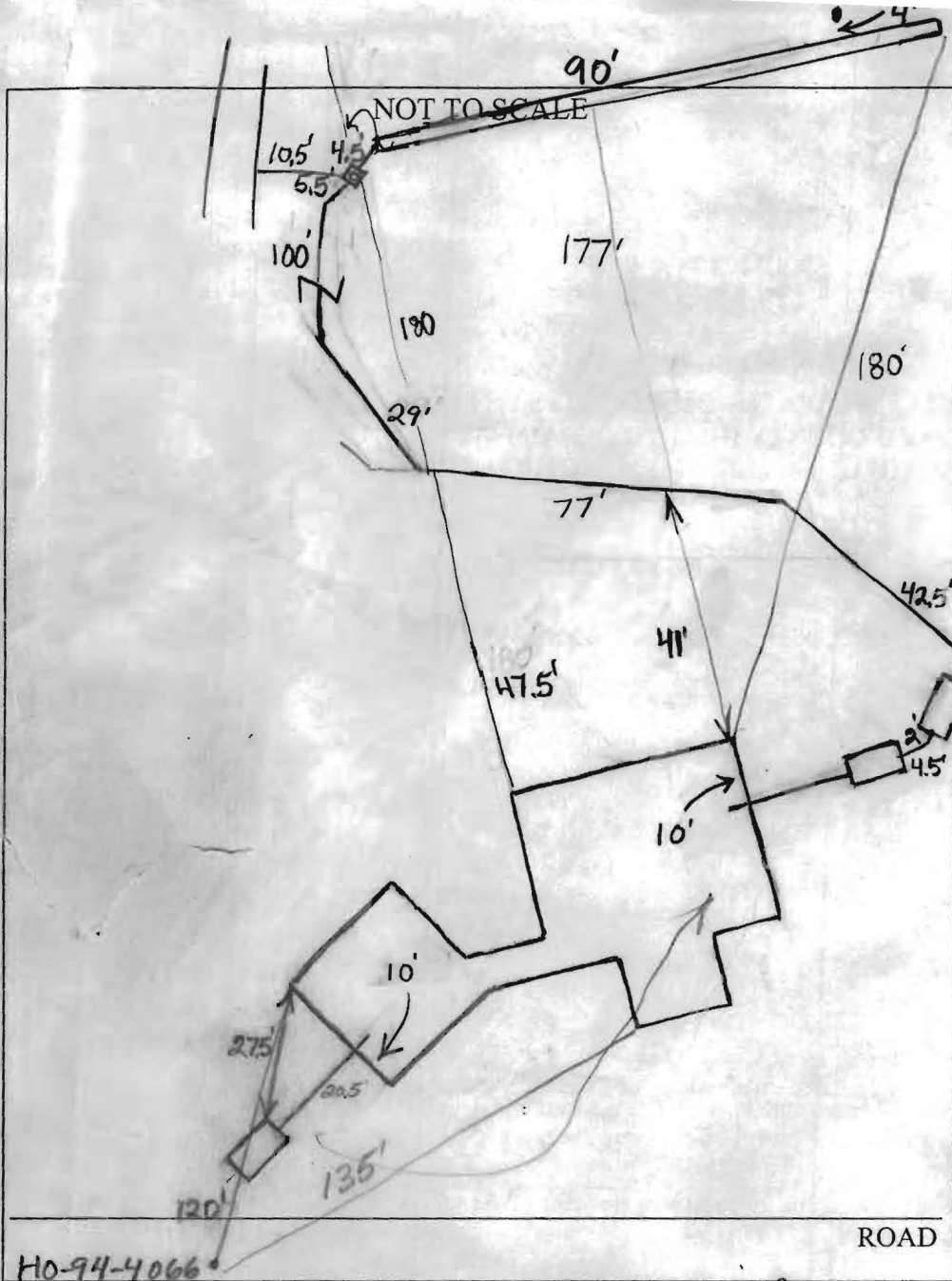
LINEAR FEET OF TRENCH REQUIRED: 90 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box in the highest elevation of the approved SDA.
NOTES:	Septic easement must be staked prior to payout inspection. A new plan will be required if tank location is moved to the front.

PLANS APPROVED: Pete Yencsik Reviewed by: _____ DATE: 12/16/2005

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		1
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Elbow
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-2.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-2.5'
BAFFLES	_____
BAFFLE FILTER	No
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	No

PRE-CONSTRUCTION 2/3/06 Area staked. Supposed to continue layout on 2/6/05 when transit available. Keep tanks out of installation swale (BB)

FINAL INSPECTOR _____ DATE OF APPROVAL _____

PROPERTY KNOWN AS:
 LOT 2
 27TH ELECTION DISTRICT
 TAX MAP 8
 HOWARD COUNTY, MD
 PLAT NO. 16036

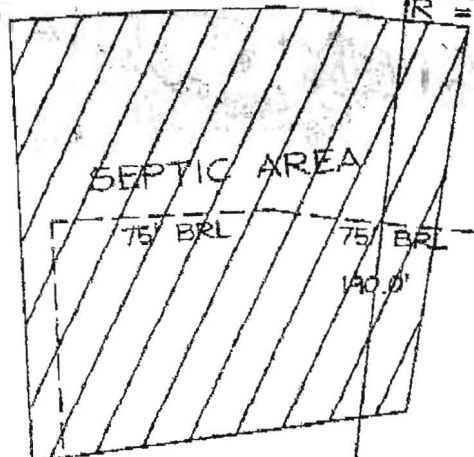
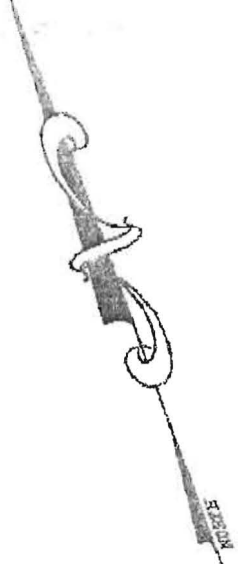
THIS PLAT CAN NOT BE USED TO ESTABLISH
 PROPERTY LINES OR CORNERS.

OLD FREDERICK ROAD
 (VARIABLE WIDTH R/W)

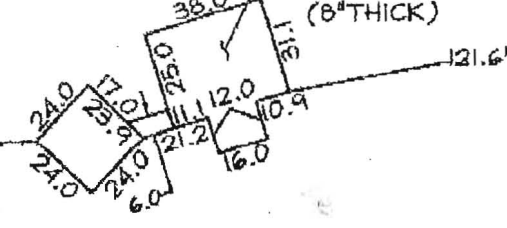
STONE
 FOUND

S72°51'27"E 106.19' L = 114.81'
 R = 1290.00'

well &
 well
 cased
 OK
[Signature]



POURED
 CONC.
 FOUNDATION
 (9' HIGH)
 (8" THICK)



LOT 1
 LIBSON ACRES
 PLAT# 3586

LOT 2
 LIBSON ACRES
 PLAT# 3586
 594.95'

LOT 3
 LIBSON ACRES
 PLAT# 3586

LOT 1
 COPE / KNILL PROPERTY
 PLAT #16036

LOT 2
 3.0000 AC. ±
 130,680 Sq. Ft.

EX WELL
 (HO-94-4066)

LINDA C. HARBIN &
 STEVEN M. HARBIN
 PARCEL 9

5305 Old Frederick Rd

FOUNDATION LOCATION DRAWING
 TOP WALL ELEV. = 612.3

CERTIFICATION

SEAL

SCALE: 1" = 60'

DATE: 1/2006

This is to certify that I have surveyed the property known as:

LOT 2

The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location for Fences, Garages, Buildings, or other Existing or Future Improvements.



LDE Inc.
 Engineers, Surveyors, Planners

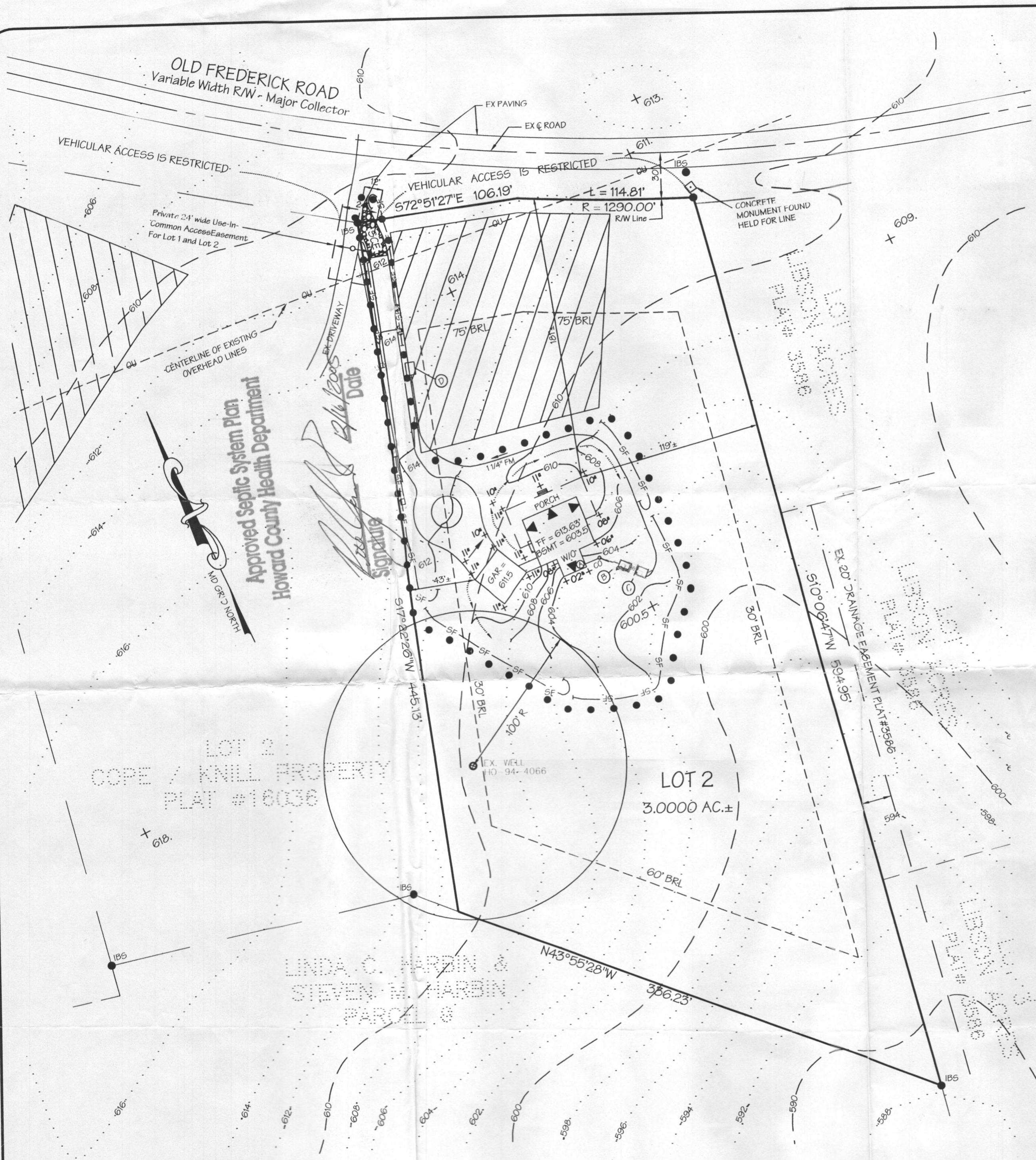
9250 Rumsey Road, Suite 106
 Columbia, Maryland - 21045
 (410)715-1070 - (410)715-9540 Fax

ON

DRAWING: MDL

INV. #05-200,61

FA:05-200-61.dwg 05-200-61 PLOT PLAN.dwg, PLAT, 12/16/2005 8:51:55 AM



OLD FREDERICK ROAD
Variable Width R/W - Major Collector

Private 24' wide Use-In-Common Access Easement For Lot 1 and Lot 2

Approved Septic System Plan
Howard County Health Department

LOT 2
COPE / KNILL PROPERTY
PLAT #16036

LOT 2
3.0000 AC.±

LINDA C. MARDIN &
STEVEN M. MARDIN
PARCELS

NOTE: The existing power pole located on the property and overhead lines which cross the property were constructed as part of an Agreement with Consolidated Gas Electric Light and Power Company of Baltimore by deed dated 5/16/40 in Liber 168 Folio 309. No defined easement width was noted.

LEGEND

- STABILIZED CONST. ENTRANCE
- LIMIT OF DISTURBANCE (LOD)
- SILT FENCE (SF)
- EXISTING 2 FT. CONTOUR
- EXISTING 10 FT. CONTOUR
- PROPOSED GRADE
- EXISTING SEWAGE DISPOSAL EASEMENT
- EXISTING WELL
- DOOR LOCATION
- EROSION CONTROL MATTING (ECM)

SEPTIC SYSTEM DESIGN DATA

- A. Invert at Foundation Wall: 601.00 Basement Service
- B. 1250 Gallon Septic Tank (3 Bedrooms)
Provide Manhole to Finished Grade
a. Ex. Ground Over Tank: 604.00
b. Prop. Grade Over Tank: 602.50
c. Invert In: 599.80
d. Invert Out: 599.50
- C. 1250 Gallon Pump Pit
a. Ex. Ground Over Pit: 603.30
b. Prop. Grade Over Pit: 602.20
c. Invert In: 599.20
d. Invert Out: 599.70
- D. Distribution Box
a. Ex. Ground Over Box: 614.70
b. Prop. Grade Over Box: 614.70
c. Invert In: 611.70

Note: Trench design may be revised at installation based on site conditions.

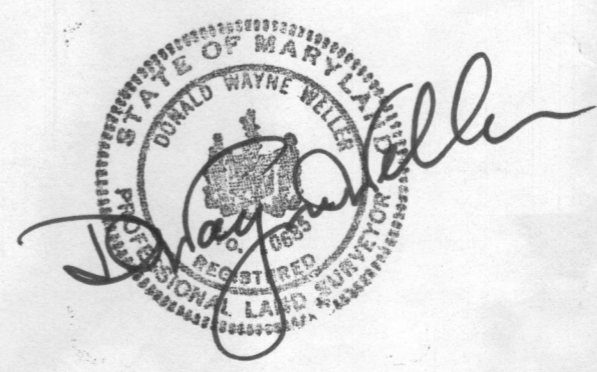
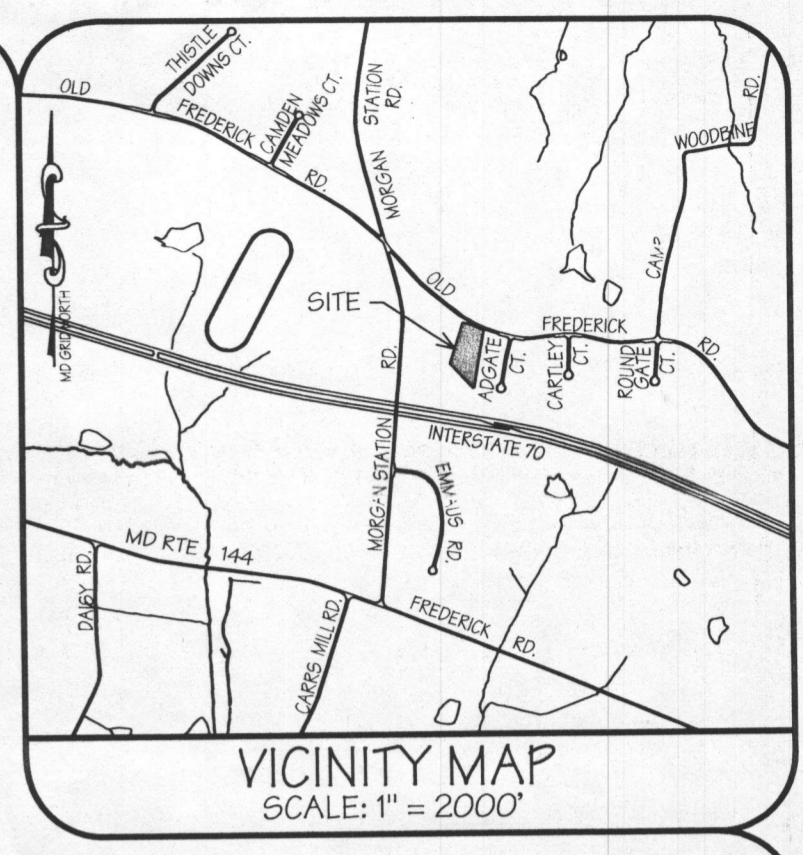
Notes:

1. THE PROPOSED SEPTIC SYSTEM FOR THIS LOT REQUIRES A PUMP.
2. PUMP CHAMBER TO BE A MINIMUM 1500 GALLON TOP SEAMED PUMP PIT WITH SINGLE EFFLUENT PUMP. PUMP SHALL BE EQUIPPED WITH AUDIBLE AND VISUAL ALARM SYSTEM FOR HIGH WATER AND PUMP MALFUNCTION. ALARM SYSTEM SHALL BE INSTALLED ON A SEPARATE ELECTRICAL CIRCUIT. INSTALL CHECK VALVES AS REQUIRED.
3. PROVIDE MANHOLE CLEANOUT TO FINISHED GRADE AT PROPOSED SEPTIC TANK AND THE PUMP CHAMBER.
4. DETAILS AND SPECIFICATIONS OF THE PROPOSED PUMP WITHIN THE PUMP PIT TO BE SUPPLIED BY THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO ISSUANCE OF A SEPTIC PERMIT.

NOTES:

1. Existing Zoning: RC-DEO per 2-2-04 Comprehensive Zoning Plan
2. Plat Reference: Plat # 16036
3. Total Area of Lot: 3.0000 Ac.±
4. The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
5. All existing wells and septic systems within 100 feet of the lot which may effect this proposal have been shown.
6. The topography shown is taken from Howard County Aerial Photography and the area within the sewage disposal area has been field verified. Field run topography done by LDE, Inc. in June, 2005 used for proposed house and driveway areas.
7. Limit of Disturbance: 26,900 S.F. / 0.62 Ac.±
8. The proposed driveway for this lot shall be a minimum of 10 feet wide, 6 inch crusher run base with 2 1/2 inch macadam surface.
9. See Architectural plans for building dimensions.
10. The existing well shown on this plan (Identified with the attached well tag number HO# 94-4066) has been field located by LDE, Inc. Professional Land Surveyors and is accurately located.
11. Stormwater Management for the subject lot has been addressed through the use of stormwater credits. Roof drains shall be disconnected in accordance with the drain locations and proposed grades shown on this plan.

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET 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 EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

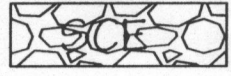

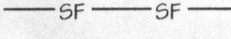
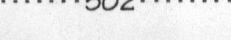



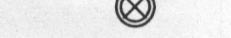

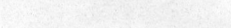


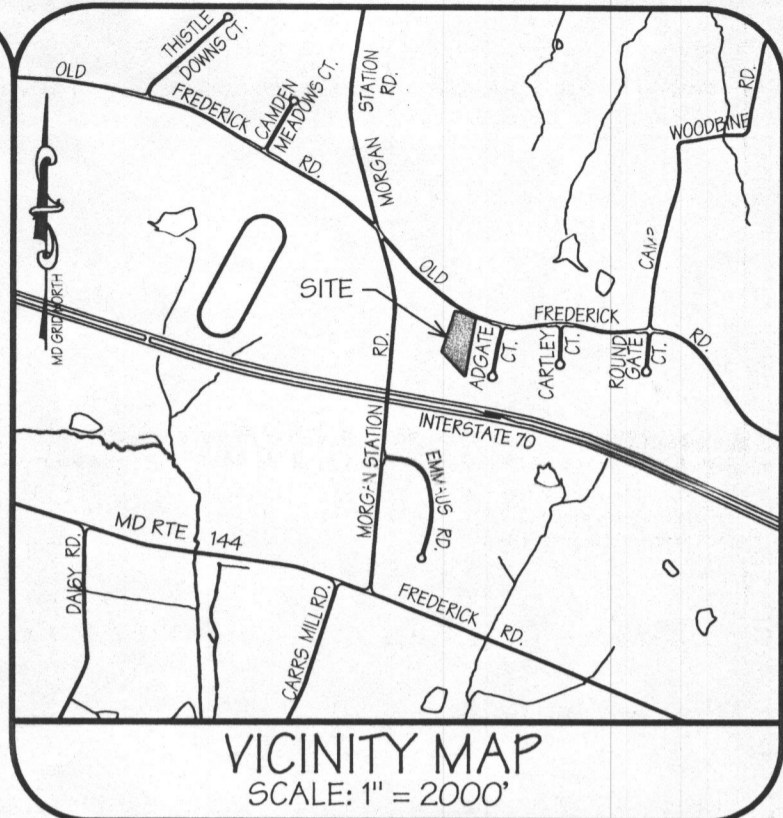
LDE, Inc.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

Designed	DWW	Plot Plan for Building Permit	Scale
Drawn	GDW	COPE / KNILL PROPERTY LOT 2	1"=50'
Checked	DWW	Tax Map 8, Grid 8, Parcel 395 4th Election District Howard County, Maryland	1 of 1
Date	12/2005	Owner: Charlene Brown James J/T Frizzera 8425 Oakton Lane Apt. 3C Ellicott City, MD 21043-7142	Job No. 05-200.61
		Builder: WDL Carpentry Dayton, MD 21036	File No.

OLD FREDERICK ROAD
Variable Width R/W - Major Collector

LEGEND

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-  EXISTING WELL
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572°51'27"E 106.19'
L = 114.81'
R = 1290.00'
R/W Line

Private 24' wide Use-In-Common Access Easement For Lot 1 and Lot 2

CENTERLINE OF EXISTING OVERHEAD LINES

Approved Septic System Plan
Howard County Health Department

Signature
Date

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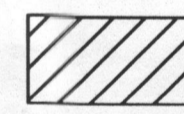
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LOT 2
COPE / KNILL PROPERTY
PLAT #16036

LOT 2
3.0000 AC.±

LINDA C. HARBIN &
STEVEN M. HARBIN
PARCEL 8

NOTE: The existing power pole located on the property and overhead lines which cross the property were constructed as part of an Agreement with Consolidated Gas Electric Light and Power Company of Baltimore by deed dated 9/16/40 in Liber 168 Folio 309. No defined easement width was noted.



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

Designed DWW	Plot Plan for Building Permit COPE / KNILL PROPERTY LOT 2 Tax Map 8, Grid B, Parcel 395 4th Election District Howard County, Maryland	Scale 1"=50'
Drawn GDW		Drawing 1 of 1
Checked DWW		Job No. 05-200.61
Date 12/2005		Owner: Charlene Brown James J/T Frizzera 8425 Oakton Lane Apt. 3C Ellicott City, MD 21043-7142

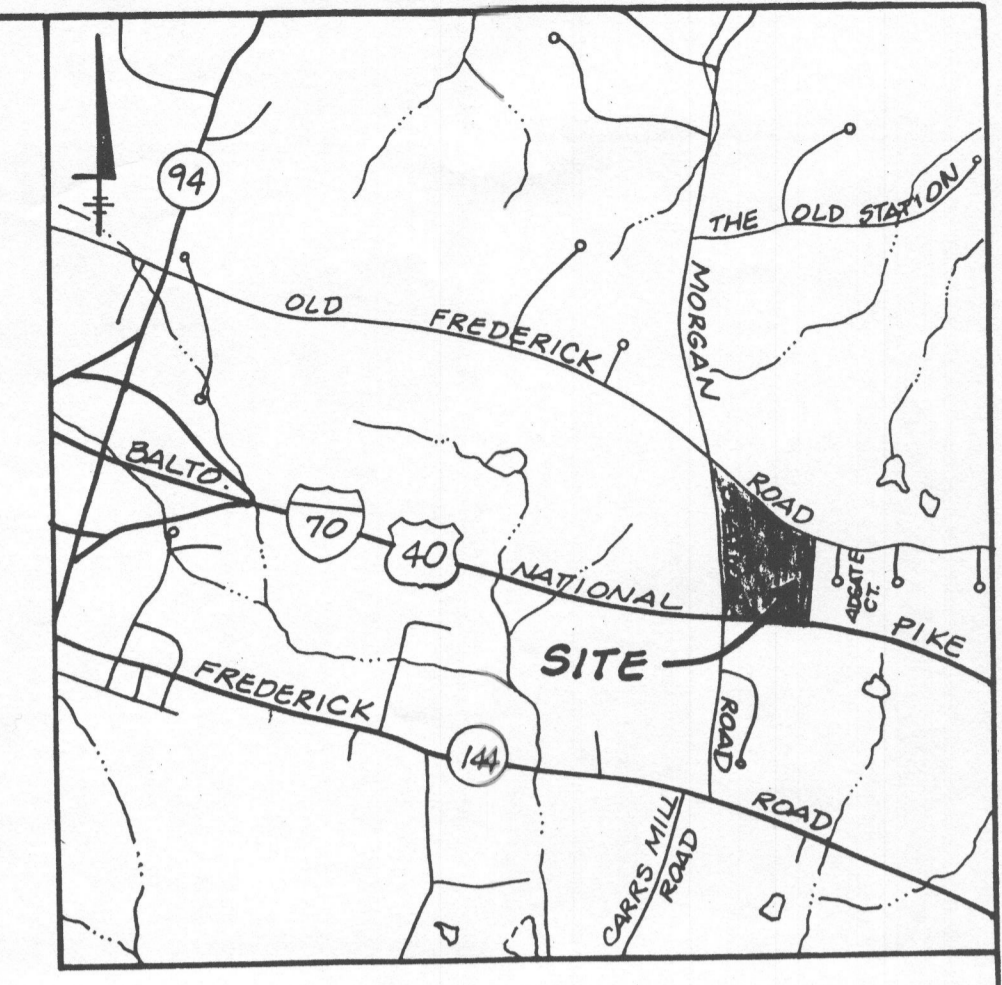
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SOILS LEGEND:

- ChA - CHESTER SILT LOAM - 0 TO 3% SLOPES
- ChB2 - CHESTER SILT LOAM - 3 TO 8% SLOPES - MOD. ERODED
- ChC2 - CHESTER SILT LOAM - 8 TO 15% SLOPES - MOD. ERODED
- GIB2 - GLENELG LOAM - 3 TO 8% SLOPES - MOD. ERODED
- GIC2 - GLENELG LOAM - 8 TO 15% SLOPES - MOD. ERODED

LEGEND

- SEWAGE DISPOSAL EASEMENT
- PROPOSED WELL
- ALTERNATE WELL LOCATION
- SOILS TYPE
- PERC TEST LOCATION / PASSED
- PERC TEST LOCATION / FAILED



NOTES:

1. EXISTING ZONING: RC (RURAL CONSERVATION)
2. DEED REFERENCE:
 - a. PARCEL 'C': 4.8807 Ac. +/- LIBER 5900 FOLIO 290
 - b. PARCEL 'H': 6.1805 Ac. +/- LIBER 5900 FOLIO 270
 - c. PARCEL 'I': 6.0005 Ac. +/- LIBER 5900 FOLIO 282
3. TOTAL AREA OF LOTS: 17.0617 AC. +/-
4. THE LOTS SHOWN COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
5. EXISTING WELLS HAVE BEEN SHOWN WITHIN 100 FEET OF THE LOT WHICH MAY EFFECT THIS PROPOSAL.
6. THE TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY AERIAL TOPOGRAPHY AND THE AREA WITHIN THE SEWAGE DISPOSAL AREA HAS BEEN FIELD VERIFIED.

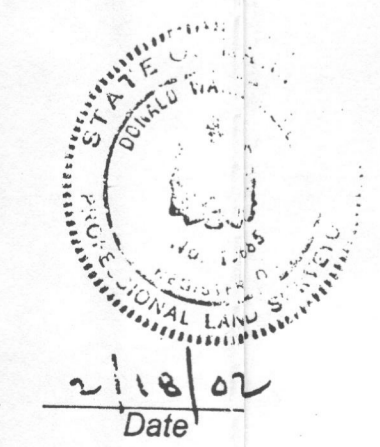
PRELIMINARY SEPTIC SYSTEM DESIGN

Parcel/Lot #	# Bdrms.	Trench Design / Trench Length Req'd.	Trench Length Provided
Parcel 'C'	5	1 st System - Shallow / 60 LF/BR = 300	1055 LF
		2 nd System - Shallow / 60 LF/BR = 300	
		3 rd System - Shallow / 60 LF/BR = 300	
Parcel 'H'	5	1 st System - Deep / 45 LF/BR = 225	825 LF
		2 nd System - Shallow / 60 LF/BR = 300	
		3 rd System - Shallow / 60 LF/BR = 300	
Lot 1	5	1 st System - Shallow / 60 LF/BR = 300	1020 LF
		2 nd System - Shallow / 60 LF/BR = 300	
		3 rd System - Shallow / 60 LF/BR = 300	
Lot 2	5	1 st System - Deep / 45 LF/BR = 225	1015 LF
		2 nd System - Shallow / 60 LF/BR = 300	
		3 rd System - Shallow / 60 LF/BR = 300	

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 4/30/02
 HOWARD COUNTY HEALTH OFFICER DATE

PERC CERTIFICATION:
 I certify that the locations shown hereon are based on field locations done under my supervision and are correct to the best of my professional knowledge and belief.

[Signature]
 D. Wayne Weller, Professional Land Surveyor
 MD Reg. No. 10885



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

DESIGNED: BDB	PERCOLATION CERTIFICATION PLAT HARBIN PROPERTY TAX MAP 8 GRID 8 PARCEL 9 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND aka COPE/KNILL	SCALE: 1" = 100'
DRAWN: KBW		DRAWING: 1 OF 1
CHECKED: BDB		JOB NO. 01-060
DATE: 1/02		OWNERS: LINDA HARBIN, ANITA M. FUNK & JOAN R. MILLER c/o HERITAGE LAND DEVELOPMENT 3060 Washington Road Suite 200 Glenwood, Maryland 21738 (410) 483-1400

Health