

LAYOUT 5/18/05 INSP 4 _____
INSP 2 5/19/05 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 2/10/05

APPROVAL DATE: 2/18/05

PERMIT INDEXED

05396085

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

P 521984-A

A 33525

FOLGER SEPTIC CLEAN, INC IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 OBRENTA RD, SIKENILLE PHONE NUMBER: 410-795-5670

SUBDIVISION: Brighton Pines LOT NUMBER: 11

ADDRESS: 13773 Lakeside Drive PROPERTY OWNER: Byron Simms

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: 180

LINEAR FEET OF TRENCH REQUIRED: ~~3.0'~~ 186'

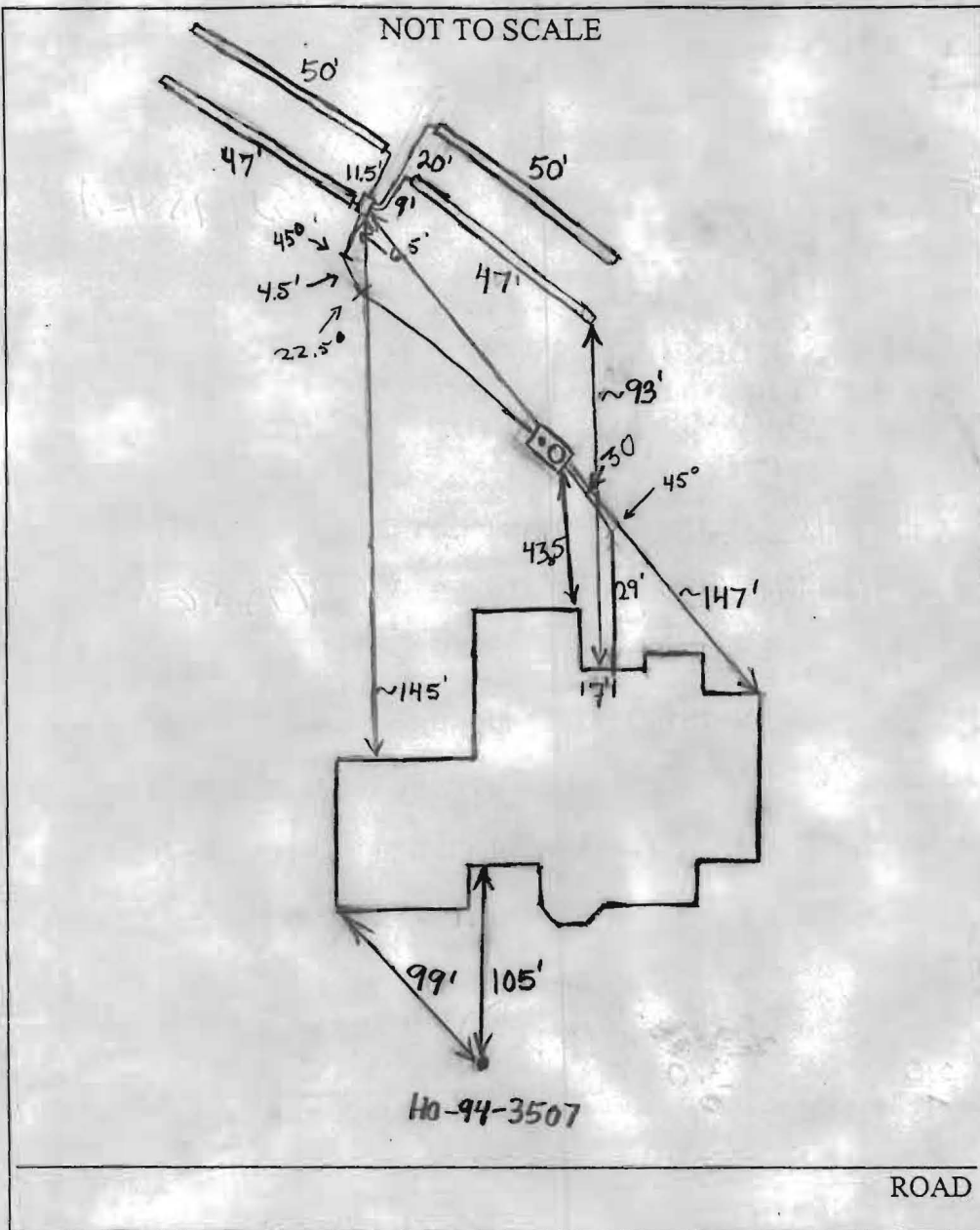
TRENCHES: <u>5.0'</u>	Trench to be 2.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 2.05 feet below original grade. Effective area begins at 2.5 feet below original grade. 3.0 feet of stone below distribution pipe. <u>3.0'</u>
LOCATION: <u>2.0'</u>	Place the distribution box approximately 50 feet from the highest corner easement stake (as shown on the site plan). Run trenches on contour in both directions.
NOTES:	<i>House foundation poured 19' from SDA. Ensure trench ends no closer than 20" to house.</i>

PLANS APPROVED: Brian Baker (KN) DATE: 1/28/2003

- 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 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

0521984-A



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		194'
ABSORPTION AREA		582' + Sidewalk
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
2-Comp CAPACITY	1500 GAL
Babylon SEAM LOC	Top
TANK LID DEPTH	1.5-2'
BAFFLES	4 Front, MID, REAR
BAFFLE FILTER	N/A
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	N/A

SEPTIC TANK 2 LEVEL	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 3/9/05 Fill placed over more than half of septic easement. To issue stop work order until fill is removed and a new grading plan is submitted along with a letter from the builder saying that fill will not be put back over area. Or a suitable alternative is agreed upon. Relayed message to septic installer. (BB) 3/11/05 - Met w/ Builder, his plan a different than ours, his does show some grading but not as much as done. He agreed to remove the fill and/or submit corrected plans (SO)

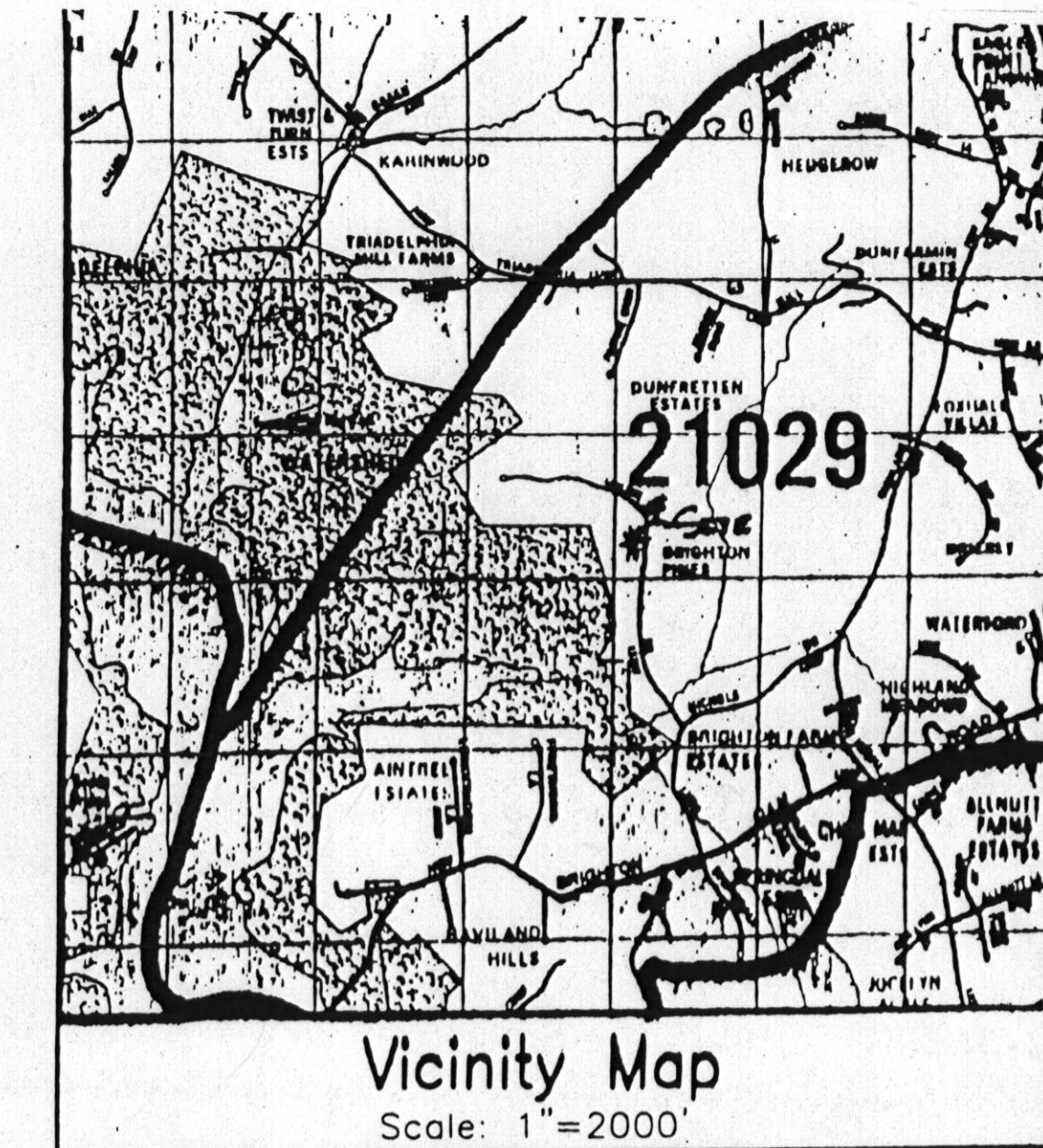
4/21/05 No one on site. (BB) 5/18/05 Tank and d-box installed but no house connections made (SO) 5/19/05 Trenches done. Need house connection. (BB) 7/10/05 - House conn. made per Suzanne Davis of Williamsonburg Camp (SO)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 7/10/05

SOILS

SYMBOL MAPPING UNIT
GIB2 GLENELG LOAM, 3-8% SLOPES, MODERATELY ERODED

DEPTH TO WATER TABLE
20+



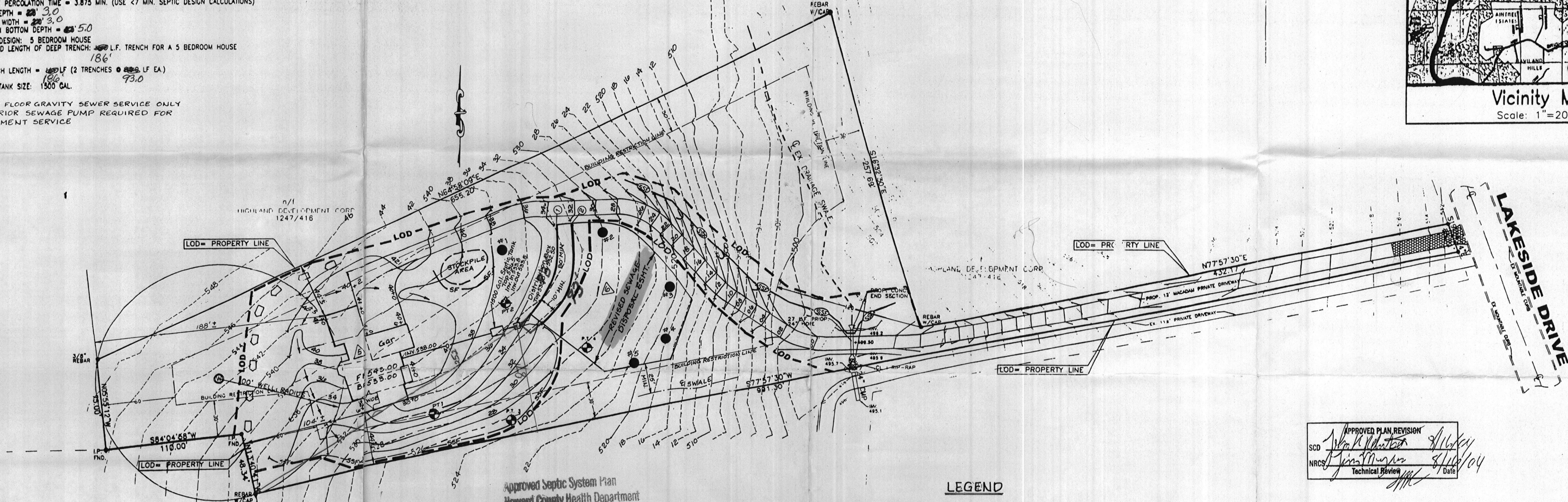
PERCOLATION TEST RESULTS AS OBSERVED BY MR. WILLIAMS ON FEBRUARY 15, 1984

TEST NO.	DEPTH	RESULTS
PT1	4/8'	2 MIN./24IN.
PT2	4/8'	7 MIN./2 MIN.
PT1	4/8'	8 MIN./3MIN.
PT1	4/8'	5 MIN./2 MIN.

1' WIDE DEEP TRENCH SYSTEM

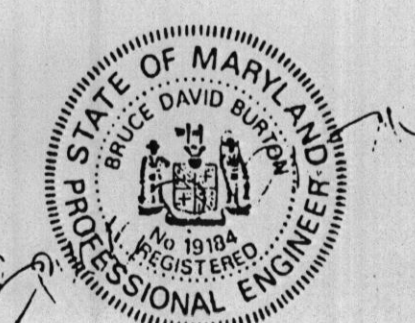
AVERAGE PERCOLATION TIME = 3.875 MIN. (USE <7 MIN. SEPTIC DESIGN CALCULATIONS)
 INLET DEPTH = 2' 3.0
 TRENCH WIDTH = 2' 3.0
 MAXIMUM BOTTOM DEPTH = 5.0
 SEPTIC DESIGN: 5 BEDROOM HOUSE
 REQUIRED LENGTH OF DEEP TRENCH: 186' L.F. TRENCH FOR A 5 BEDROOM HOUSE
 TRENCH LENGTH = 186' L.F. (2 TRENCHES @ 93.0 L.F. EA.)
 SEPTIC TANK SIZE: 1500 GAL.

FIRST FLOOR GRAVITY SEWER SERVICE ONLY
 INTERIOR SEWAGE PUMP REQUIRED FOR BASEMENT SERVICE



Approved Septic System Plan
 Howard County Health Department

B. Baber 4/18/05
 Signature Date



- REVISION #5 BY LDE, INC. DATED 8/13/04
- REVISION #6 BY LDE, INC. DATED 4/12/05

LEGEND

- EXISTING GRADE
- APPROVED PERCOLATION TEST HOLE
- EX. DRAINAGE SWALE
- PROP. GRADE
- LOD - LIMITS OF DISTURBANCE
- PERIMETER EARTHEN DIVERSION DIKE
- STABILIZED CONSTRUCTION ENTRANCE
- SF - 18" SILT FENCE
- SSF - SUPER SILT FENCE
- PERCOLATION TEST HOLE (PASSED 3/05)

APPROVED PLAN REVISION
 SCD *[Signature]*
 NRCS *[Signature]* 8/16/04
 Technical Review Date

GENERAL NOTES:

- THE ELEVATIONS SHOWN HEREON WERE ESTABLISHED FROM A FIELD SURVEY PERFORMED JULY, 2002 BY MARYLAND LAND DESIGN, INC., BASED ON ASSUMED DATUM.
- ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF ANY PROPERTY BOUNDARY ARE SHOWN HEREON.
- 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 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.
- THE ENTIRE SITE IS COMPRISED OF THE GLENELG LOAM (GIB2) SOIL SERIES AS SHOWN IN THE SOIL SURVEY FOR HOWARD COUNTY, MARYLAND ISSUED JULY 1968.
- SEPTIC DESIGN: 5 BEDROOM HOUSE
- LOT AREA = 3.253 ACRES
- LIMITS OF DISTURBANCE: 1.55 AC±

These plans for S.W.M. construction soil erosion and sediment control meet the requirements of Howard Soil Conservation District.
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT 4/6/03
 PLAN NUMBER DATE
 Reviewed for the Howard Conservation District and meets technical requirements.
 NATURAL RESOURCES CONSERVATION SERVICE 4/6/03
 DATE

NOTES:
 SUPER SILT FENCE IS TO BE INSTALLED IN A "J" CONFIGURATION WITH CURLED SECTIONS TO BE TURNED UPHILL AT APPROXIMATELY 25-50 FOOT INTERVALS.
 SEE PROPOSED PIPE CROSSING PROFILE ON SHEET 2.
 ALL SPOILS FROM THE TRENCHING OF THE SEWAGE DISPOSAL AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE TRENCHES.

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

OWNER:
 BYRON B. SIMMS
 11705 LONE TREE COURT
 COLUMBIA, MD 21044-4309

MARYLAND LAND DESIGN, INC.
 CONSULTING ENGINEERS AND LAND PLANNERS

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



NO.	DATE	DESCRIPTION
1	12/11/02	ADDED LIMITS OF DISTURBANCE
2	1/24/03	REVISED SEPTIC DESIGN PER H.C.H.D. COMMENTS
3	3/11/03	ADDRESSED SEDIMENT CONTROL COMMENTS
4	3/31/03	ADDRESSED SEDIMENT CONTROL COMMENTS
5	8/15/04	REVISE HOUSE TYPE BY LDE, INC.

4/12/05 LDE Revise Septic Esmt. and Design/Reperc.

PLAN PREPARATION	
DRAWN BY: DWS	DATE: 5 AUGUST 2002
DESIGNED BY: DWS	FILE NO. 2002-44
CHECKED BY: DAB	DRAWING NO.

SITE PLAN
 LOT 11 BRIGHTON PINES
 TAX MAP 34, BLOCK 7, PARCEL NO. 396; LIBER 1331 FOLIO 673
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE
 1" = 40'
 SHEET NO.
 1 OF 1