

LAYOUT 12/29/06 **(BB)** INSP 4 1/16/07 **(BR)**
 INSP 2 1/3/07 **(BB)** INSP 5 _____
 INSP 3 1/12/07 **(KW)** INSP 6 _____

ISSUE DATE: _____
 APPROVAL DATE: _____

PERMIT

P 525656
 A 516098

TAX ID #05-435234
ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

Sam's Excavating IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: (301) 498-0145

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 8485 Murphy Road PROPERTY OWNER: Paul Lewis

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 199 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Install the septic system as shown on the approved building permit plan.
NOTES:	Repair system inlet @ 2 1/2', maximum bottom 4 1/2'. Basement gravity service.

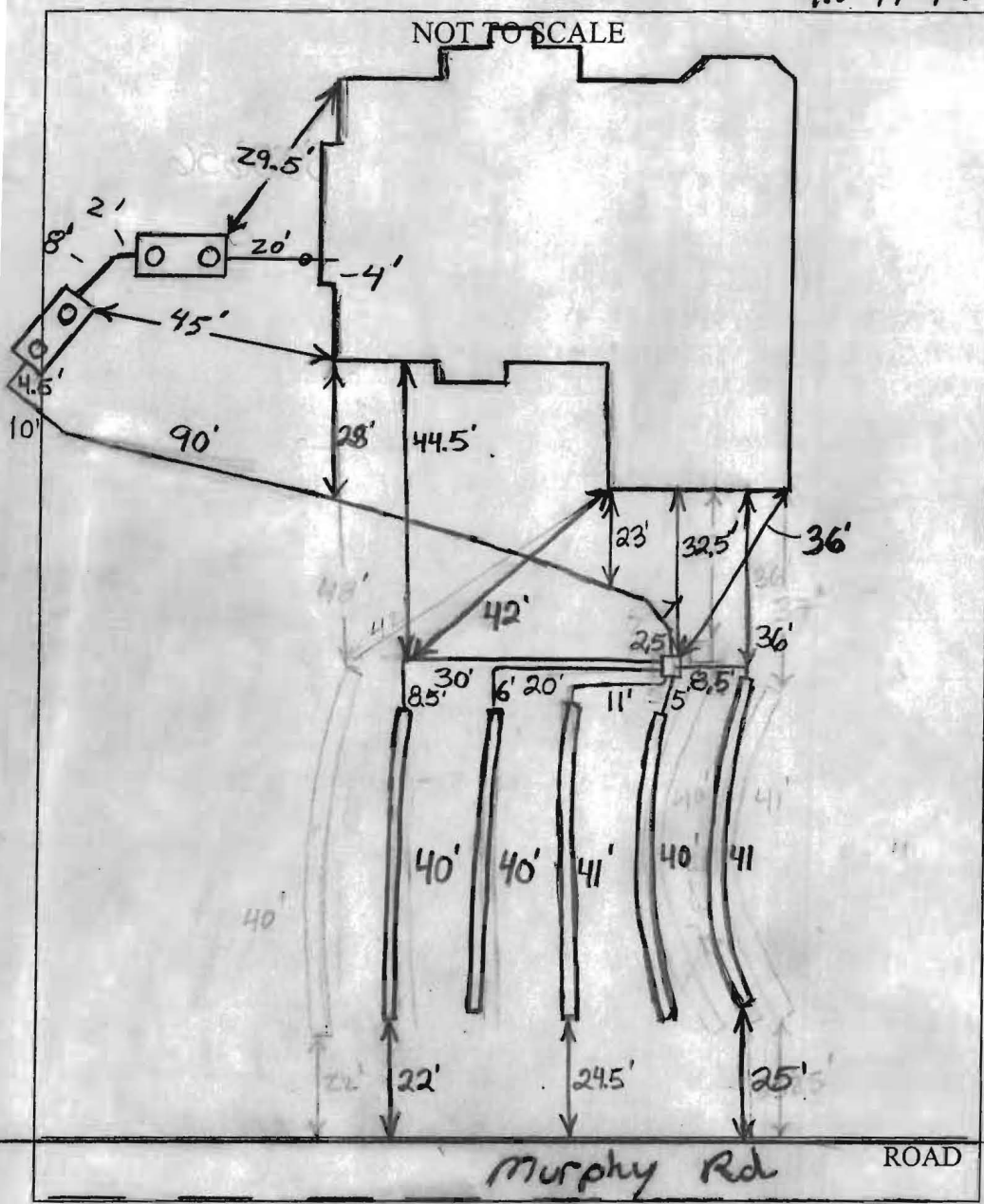
PLANS APPROVED: Sara Fegel Reviewed by: _____ DATE: 2/9/06

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 CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

Ex. Well ~ 200 yards →
HO-94-4001

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2.5'-4'	4.5'-6'
NUMBER OF TRENCHES		5
TOTAL LENGTH		202'
ABSORPTION AREA		606 + Sidewall
DISTRIBUTION BOX LEVEL		?
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL <u>Level</u>		
Capacity	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	1.5-2'	
BAFFLES	Yes	
BAFFLE FILTER	No	
MANHOLE LOC	Front/Rear	
6" PORT LOC	None	
WATERTIGHT TEST	No	
SEPTIC TANK 2 LEVEL <u>Level</u>		
Capacity	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2'	
BAFFLES	Yes	
BAFFLE FILTER	No	
MANHOLE LOC	Front/Rear	
6" PORT LOC	None	
WATERTIGHT TEST	No	

PRE-CONSTRUCTION 12/29/06 Part of easement area near house cut away. Install 5 - 40' trenches at level clay depth

INSTALLATION across easement. Inlet 4' and bottom 6' where near original contour. Trench separation is 10' on center. Top trench will be in part of driveway. (BB)

1/3/07 Tanks set. (BB) 1/12/07 All plumbing to Pump tank installed. Baffles on both tanks. Contractor completed top 2 trenches and bottom trench. Inlets vary (bottom of trenches same 6') (KW)

1/16/07 Pipes in distribution box out of level. Told contractor to adjust them and also to pack some gravel around them

FINAL INSPECTOR _____ DATE OF APPROVAL _____

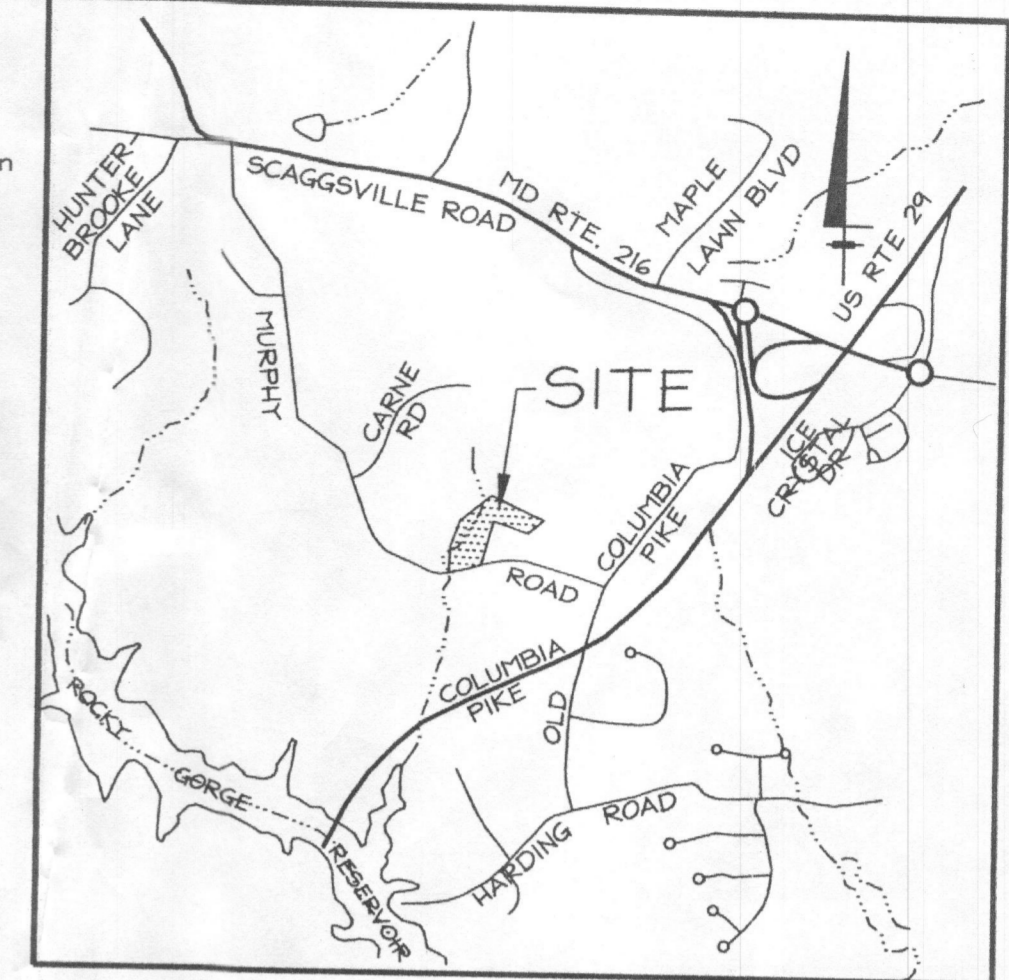
as they are going to trenches. Need to put observation port on distribution box. Need pump and alarm test. (BB)

SEWAGE SYSTEM DESIGN DATA

- 1 Invert @ Foundation Wall: 351.00
- 2 1500 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grade
 - A. Ex. Ground Over Tank: 351.00
 - B. Prop. Grade Over Tank: 351.00
 - C. Invert In: 348.30
 - D. Invert Out: 348.00
- 3 1500 Gallon Pump Chamber
 - A. Existing Ground Over Pump: 350.00
 - B. Proposed Grade Over Pump: 350.00
 - C. Invert In: 346.50
 - D. Invert Out: 347.00
- 4 Distribution Box: (Provide 3 Outlets Minimum)
 - A. Ex. Ground Over Box: 367.00
 - B. Prop. Grade Over Box: 367.00
 - C. Invert In: 364.00

Note: Trench layout & design may be revised at time of installation based on site conditions.

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.



VICINITY MAP

1" = 2000'

Notes:

1. Existing Zoning: RR
2. Deed Reference: Liber 5900 Folio 260
3. Total Lot Area: 3.00 Ac. ±
4. The lot shown hereon comply with the minimum lot area and the ownership width as required by the Maryland State Department of the Environment.
5. The Topography shown hereon is taken from drawings prepared by Robert H. Vogel Engineering INC. dated 5/04.
6. The existing wells have been shown within 100 feet of the lot which may effect this proposal.
7. Limit of Disturbance: 17,130 Sq. Ft. +/-
8. The proposed driveway for this lot shall be a minimum of 10 feet wide, 6 inch crusher run 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# 94-4001) has been field located by LDE, Inc., Professional Land Surveyors and accurately located.
11. Stormwater management for the subject lot has been addressed through the use of the environmentally sensitive development credit.
12. The topography and stream elevations shown on this plan have been field verified by LDE, Inc. on 2/06/06.
13. The basement elevation of 353.50 shown is 15' above the stream elevation of 338.50.

APPROVED

WALK-THRU BUILDING PERMIT

BP# _____ A# _____
 APP. SAN Para. Banned DATE: 10-31-12
 DESC. OF WORK: 8X13 Deck
w/ steps
 Approved As Shown

Building Permit #B00157924

LDE Inc.

Engineers, Surveyors, Planners

9250 Rumsey Road, Suite 106 Columbia, Maryland - 21045

(410)715-1070 - (301)596-3424 - FAX(410)715-9540

DESIGNED BDB	PLOT PLAN FOR BUILDING PERMIT #8485 MURPHY ROAD	SCALE 1" = 40'
DRAWN KBW		DRAWING 1 of 1
CHECKED BDB	1ax Map No. 46 - Grid No. 4 - Parcel 3/8 5th Election District - Howard County, Maryland	JOB NO. 05-039
DATE 12/2005		OWNER: Scaggs Brothers Equipment Co. 3258 Bethany Lane Ellicott City, MD 21042
	BUILDER: Hal C. Marker & Co. 10524 Hunters Way Laurel, MD 20723 301-776-8228	

REVISIONS			
By	Date	No.	Description
LDE	2/06	1	RAISE BASEMENT FLOOR ONE (1) FOOT
LDE	2/06	2	REVISE SEPTIC TANK & DISTRIBUTION BOX LOCATION
LDE	2/06	3	REVISE HOUSE FOOTPRINT AND POSITION
LDE	2/06	4	REMOVE CIRCULAR DRIVEWAY

