

LAYOUT 9/15/06 INSP 4 9/22/06
INSP 2 9/19/06 INSP 5 10/18/06
INSP 3 9/20/06 INSP 6 _____

ISSUE DATE: 6/20/06

APPROVAL DATE: 10/18/06

PERMIT
INDEXED
TAX ID #03-279731

P 525117

A 520028

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 PHONE NUMBER: 410-875-4197

SUBDIVISION: Woodmark LOT NUMBER: 9

ADDRESS: 12135 Mt. Albert Road PROPERTY OWNER: C. Knudsen Development

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: 217 HOUSE SERVED BY PUBLIC WATER

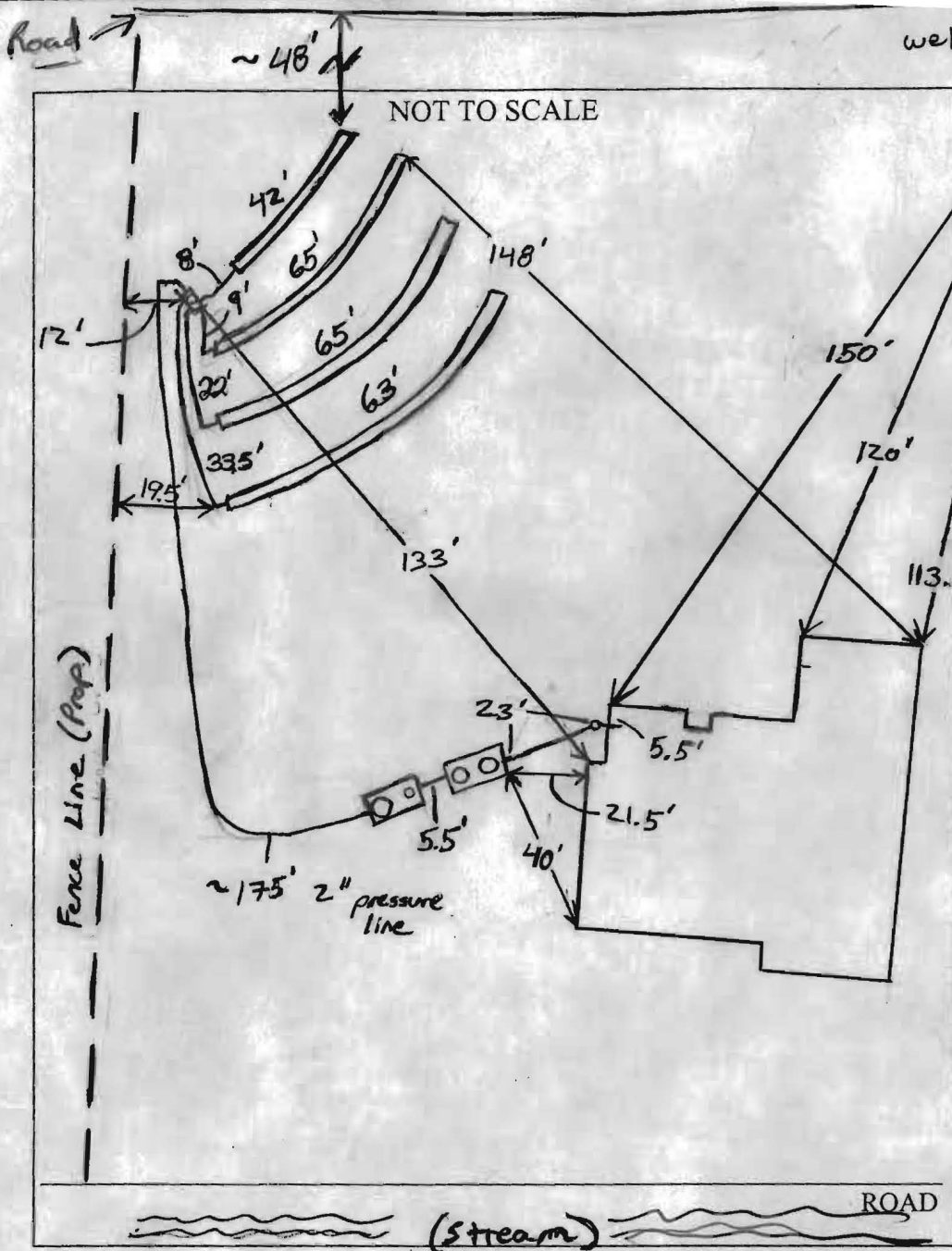
TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. <u>2.0</u> feet of stone below distribution pipe.
LOCATION:	Install the septic system as shown on the approved building permit plan.
NOTES:	Trench design for 1 st system only, refer to perc notes for future trench designs.

PLANS APPROVED: Kevin Bell Reviewed by: KN DATE: 3/7/06

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

A520028



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3	5
NUMBER OF TRENCHES		4
TOTAL LENGTH		235
ABSORPTION AREA		705 + Sidewall
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		1/8" bent
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL		Level
Capacity	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	3.5-4'	
BAFFLES	Yes	
BAFFLE FILTER	NA	
MANHOLE LOC	Front/Rear	
6" PORT LOC	None	
WATERTIGHT TEST	NA	
SEPTIC TANK 2 LEVEL		Level
Capacity	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	3.5-4'	
BAFFLES	Frost	
BAFFLE FILTER	NO	
MANHOLE LOC	Rear	
6" PORT LOC	Front	
WATERTIGHT TEST	NA	

PRE-CONSTRUCTION 9/15/06 Contractor set tanks approx. 45' from center of stream. Made them move tanks to set per plan (100' from stream).

INSTALLATION > 20' from house. Set Dbox top left corner of easement @ highest elevation. Run trenches, on contour, towards the road. Installed one 45' trench at very top and three 65' below it. (KW)

9/19/06 Tanks and pump tank set per plan. First 2 trenches put in. started on 3rd trench. (KW) 9/20/06 Installed 3rd trench, started last trench backhoe broke down didn't finish. (BB)

9/22/06 4th trench finished. Installing pump line. OK to cover trenches. Need Pump test. (KW) 10/18/06 P/A test successful.

FINAL INSPECTOR John Wolf DATE OF APPROVAL 10/18/06

System approved (KW)

MOUNT ALBERT ROAD
50' R/W

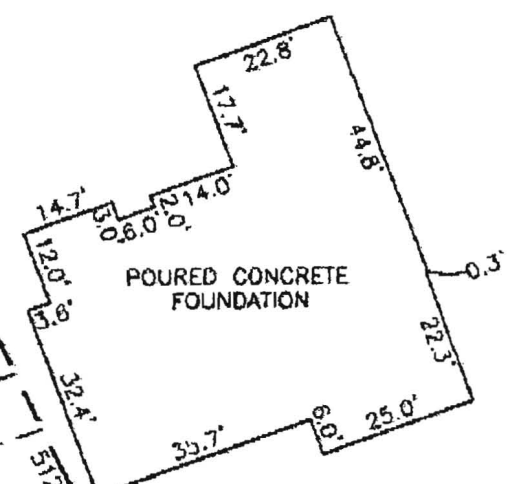
L=187.86'
R=628.11'

LOT 8
SCALBARA JOHN A
SCALBARA MARILYN T/E
4529/158
RRDED

GRID NORTH

WELL
HQ CO 94 8963

LOT 10
JEFFREYS WILLIAM C. III
7548/35
RRDED



LOT 9

20' DRAINAGE
EASEMENT
P.B. 13 F.62

~FOUNDATION DETAIL~

SCALE: 1" = 30'

5' UTILITY
EASEMENT

LOT 2
VIA G EDWARD
1876/20
RRDED

LOT 3
LERDBOON BARRONG
LERDBOON TUSSNEE
1002/97
RRDED

*7/5/00
Plan to
Scale
SDA 20'
From foundation
Well into ok*

KN

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 04/13/06; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY PURDUM AND JESCHKE ENGINEERING, INC. ENTITLED "WOODMARK PART "B" SECTION ONE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLATBOOK 13 FOLIO 62

TOP OF FOUNDATION WALL ELEVATION = 456.9'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

David M. Harris

DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
RECORD PLATBOOK 13 FOLIO 62
FEMA FIRM No. 240044 0021 B
ZONE: C
DATED: 12/04/86



WALL CHECK
WOODMARK
PART "B" SECTION ONE
LOT No. 9

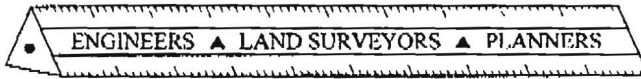
**BENCHMARK
ENGINEERING, INC.**

12135 MOUNT ALBERT ROAD

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 60' DATE: 04/13/06

BENCHMARK



ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE * SUITE 418

ELLCOTT CITY, MARYLAND 21043

410-465-6105 410-465-6644 (FAX)

www.bei-civilengineering.com

FACSIMILE COVER SHEET

DATE: 2-27-06

TO:

FROM:

NAME: Kevin Bell

NAME: Don Mason

COMPANY: Ho. Co. Environmental Health Department

NO. OF PAGES: 2

INCLUDING COVER SHEET

FAX NO. 410-313-2648

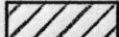
RE: WOODMARK LOT 9

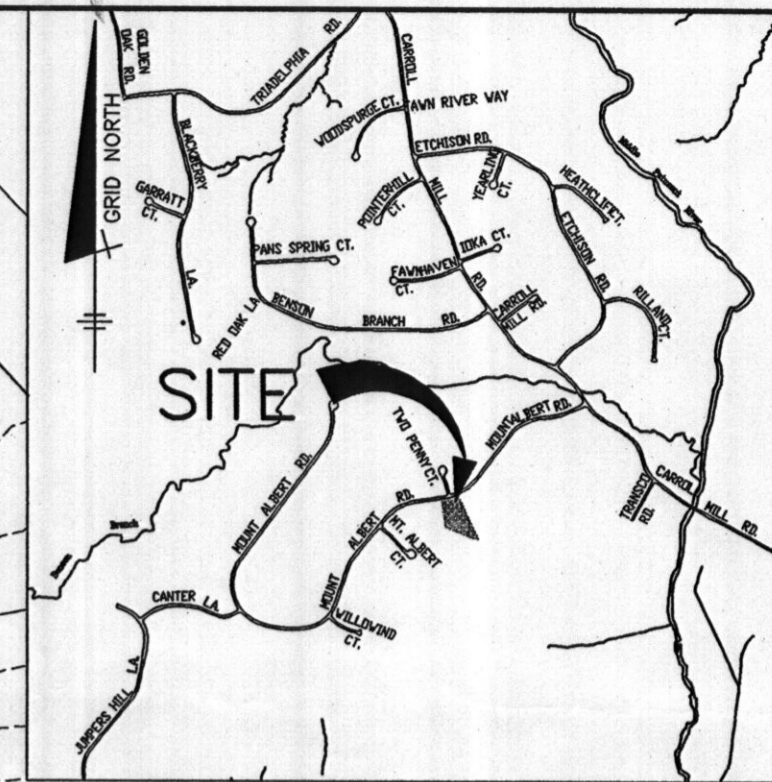
COMMENTS: Kevin transmitted is a revised plan for the above referenced lot showing the pump tank and the Septic tank moved 100' from the drainage channel at the rear of the lot, per your request. Please review and let me know if this is acceptable to your office.

- Called Don + told him it looks ok + to keep the tanks 20' house (KJB)

Kevin
DUP CALLED THIS
PROPERTY HAS 5 Bedrooms
NOT 4

NOTES:

1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT.
2.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. AROUND MARCH 18, 2004 AND SUPPLEMENTED WITH TOPOGRAPHY PURCHASED FROM HOWARD COUNTY, GEOGRAPHICAL INFORMATION SYSTEMS. CONTOUR INTERVAL IS TWO FOOT.
4. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PRECONSTRUCTION INSPECTION.
5. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
6. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND SHALL BE AS SHOWN ON THIS PLAN.
7. THE EXISTING WELL (TAG NO. HO-94-3963) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. IN JANUARY, 2005 AND IS ACCURATELY SHOWN.
8. STORMWATER MANAGEMENT QUANTITY CONTROL HAS NOT BEEN PROVIDED BASED ON RUN-OFF LESS THAN 2 CFS. STORMWATER MANAGEMENT QUALITY CONTROL SHALL BE PROVIDED VIA GRASS CHANNEL CREDIT AS SHOWN ON THIS PLAN AND COMPUTED IN THE SWM REPORT.
9. TOTAL AREA DISTURBED = 21,532 SF (0.49 AC)

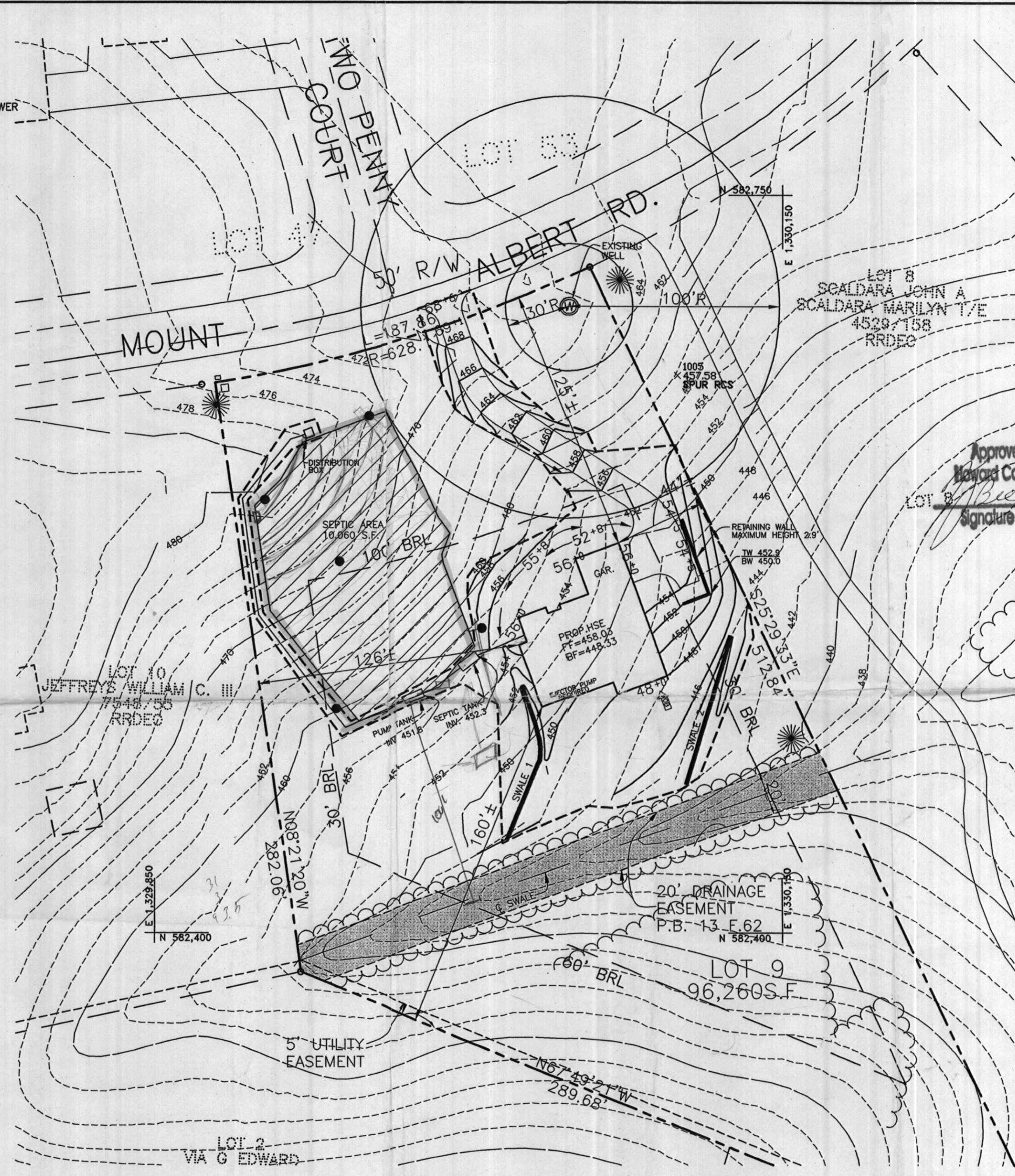
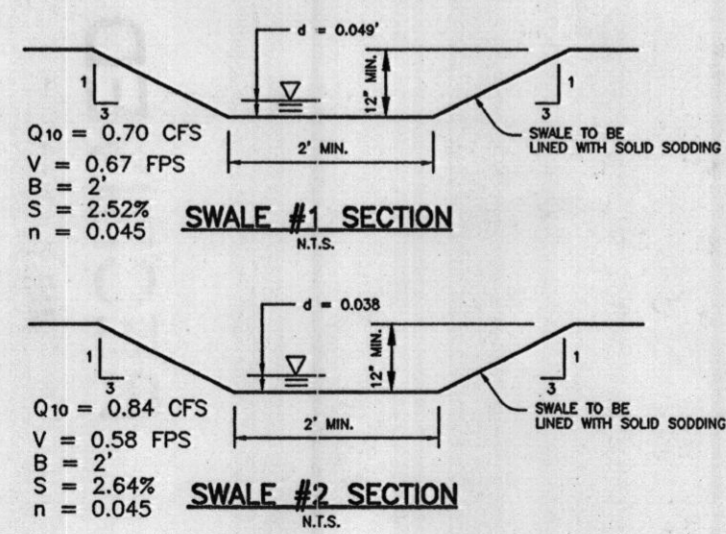
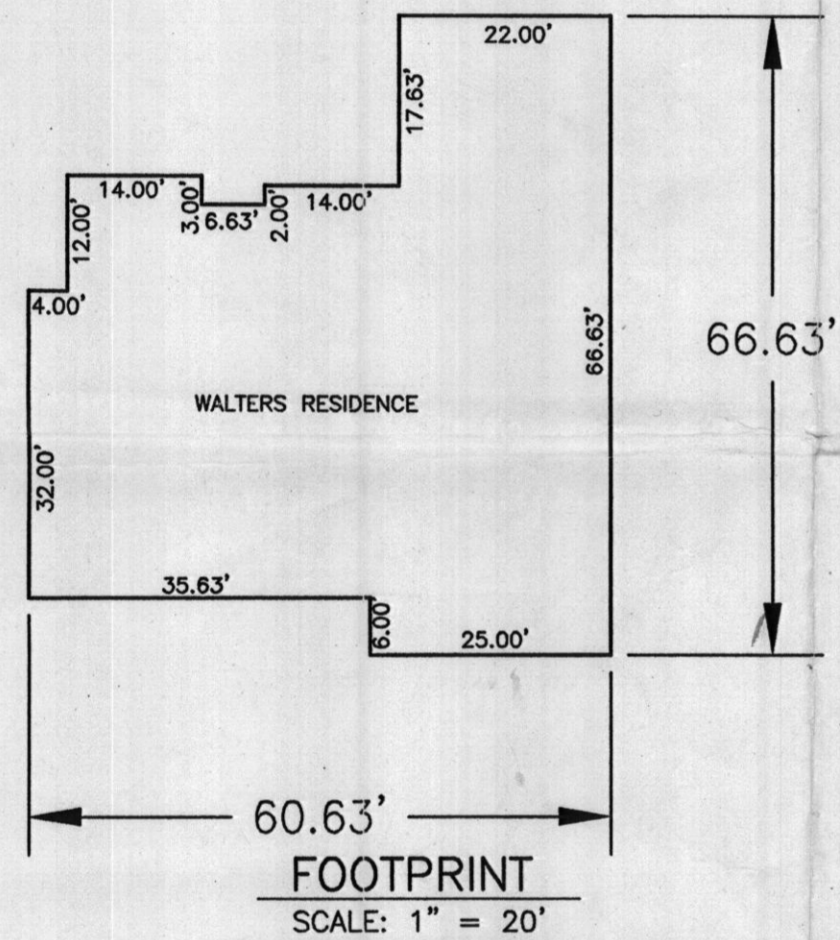


VICINITY MAP
SCALE : 1"=2000'

Approved Septic System Plan
Howard County Health Department
Signature: *[Signature]* Date: 3-7-06

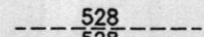
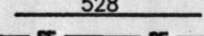
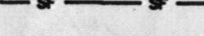
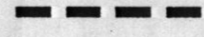


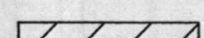
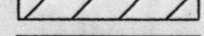
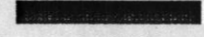
SEPTIC INFORMATION CHART

INV. OUT OF HOUSE	452.5
INV. AT PUMP TANK	451.8
GROUND OVER PUMP	456.0
INV. IN SEPTIC TANK	452.3
INV. OUT SEPTIC TANK	452.0
TOP OF SEPTIC TANK	453.0
GROUND OVER SEPTIC TANK	456.0
INV. IN DIST. BOX	476.5
GROUND OVER BOX	478.0



PLAN
SCALE: 1" = 40'

LEGEND

EXISTING CONTOUR	
PROPOSED CONTOUR	
PROP. SILT FENCE	
PROP. SUPER SILT FENCE	
LIMIT OF DISTURBANCE	
EX. TREE LINE	
PROP. TREE LINE	
EX. SEPTIC RESERVE AREA	
PROP. EROSION CONTROL MATTING	

<p>BENCHMARK ENGINEERING, INC. ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS 8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644</p>	<p>PROJECT: WOODMARK PROPERTY</p>	
	<p>LOT 9 PB 13, FOLIO 62</p>	
<p>BUILDER: C. KNUDSEN BUILDERS 8455 BALTIMORE NATIONAL PIKE ELLCOTT CITY, MD 21043</p>	<p>LOCATION: TAX MAP: 22, GRID: 12 PARCEL: 168 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	
	<p>TITLE: PLOT PLAN</p>	
<p>HOUSE TYPE: WALTERS RESIDENCE</p>		
<p>DATE: JANUARY 2005 MARCH, 2006</p>	<p>PROJECT NO. 1713</p>	
<p>SCALE: AS SHOWN</p>	<p>DRAWING 1 OF 1</p>	