

LAYOUT 5/9/06 INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 5/9/06

APPROVAL DATE: 5/10/06

# PERMIT

INDEXED

TAX ID #04-347188

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

P 524452

A 37901

New Dimensions Plumbing IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 3018 Bachman Rd Manchester PHONE NUMBER: 410 239 4359

SUBDIVISION: Gaithers Sideling LOT NUMBER: 8

ADDRESS: 637 Sideling Road Joseph Hogan

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 N/A/Kacie COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 150 HOUSE SERVED BY PUBLIC WATER ☐

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 3.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA. Plan for (2) 80' length trenches 12' center to center. Shoot contour at time of layout to design trench layout sufficiently.
NOTES	In order to make trenches as close in length as possible, contractor may extend up to driveway, no further than 25' from perc hole. Identify well radius in the field. <u>BASEMENT GRAVITY SERVICE NOT proposed</u>

PLANS APPROVED: Kacie Noonan Reviewed by: KN DATE: 1/9/06

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

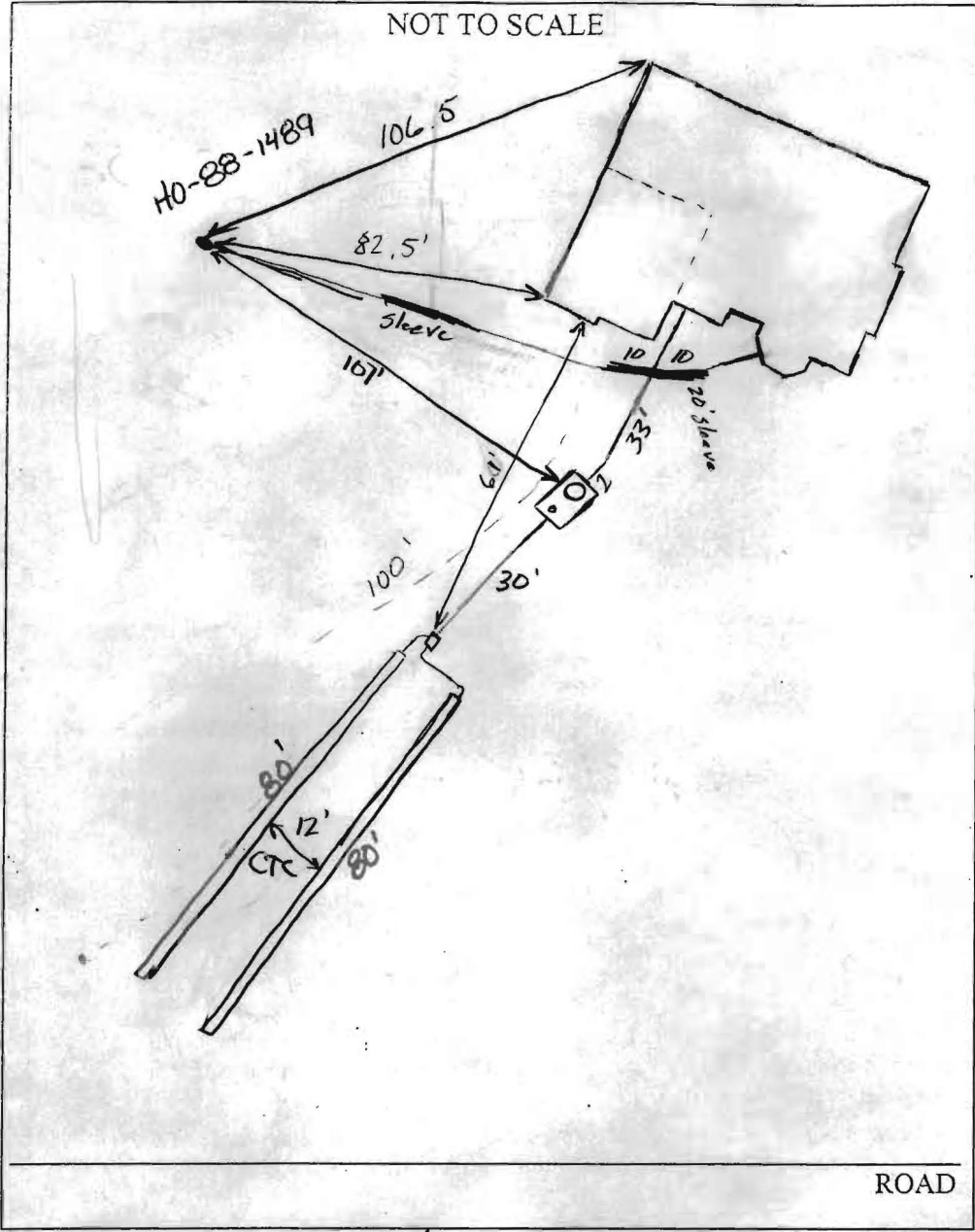
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

**BUILDING PERMIT SIGNED  
AND RETURNED**

walktrne 2/21/07 Deck

P524452

27.5  
35.5



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	7'
NUMBER OF TRENCHES		
2		
TOTAL LENGTH		
160'		
ABSORPTION AREA		
480+Side		
DISTRIBUTION BOX LEVEL		
Yes		
DISTRIBUTION BOX BAFFLE		
Yes		
DISTRIBUTION BOX PORT		
No		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'
BAFFLES	4
BAFFLE FILTER	N/A
MANHOLE LOC	Inlet
6" PORT LOC	Outlet
WATERTIGHT TEST	NA
SEPTIC TANK 2 LEVEL	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

PRE-CONSTRUCTION 5/9/06 Run 2x80' trenches straight ahead out of front of tank/House skirting the well radius. (GAC)

INSTALLATION Sleeve ~~connection~~ Connection 10' on either side of ~~well~~ line (GAC) 5/10/06 OK to cover system. (GAC)

- ~~See~~ See approved Septic System plan for true well site.

FINAL INSPECTOR Michael A. Gray DATE OF APPROVAL 5/10/06



THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE 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.

SEWAGE EASEMENT CALCULATIONS:  
1. AREA OF EXISTING EASEMENT 14,202 AC  
2. EASEMENT ENCROACHED BY DWELLING AND WELL RADII - 5,460 AC  
3. NET REMAINING AREA 8,742 AC  
4. ADDITIONAL EASEMENT AREA ADDED + 1,908 AC  
5. AREA OF RECONFIGURED EASEMENT AREA 10,650 AC

- SEWAGE SYSTEM DESIGN DATA
1. Invert # Foundation Hall: 475.00
  2. 1500 Gallon Septic Tank (5 Bedrooms)  
Provide Manhole to Finished Grade  
A. Ex. Ground Over Tank: 474.0  
B. Prop. Grade Over Tank: 475.90  
C. Invert in: 474.5  
D. Invert Out: 474.3

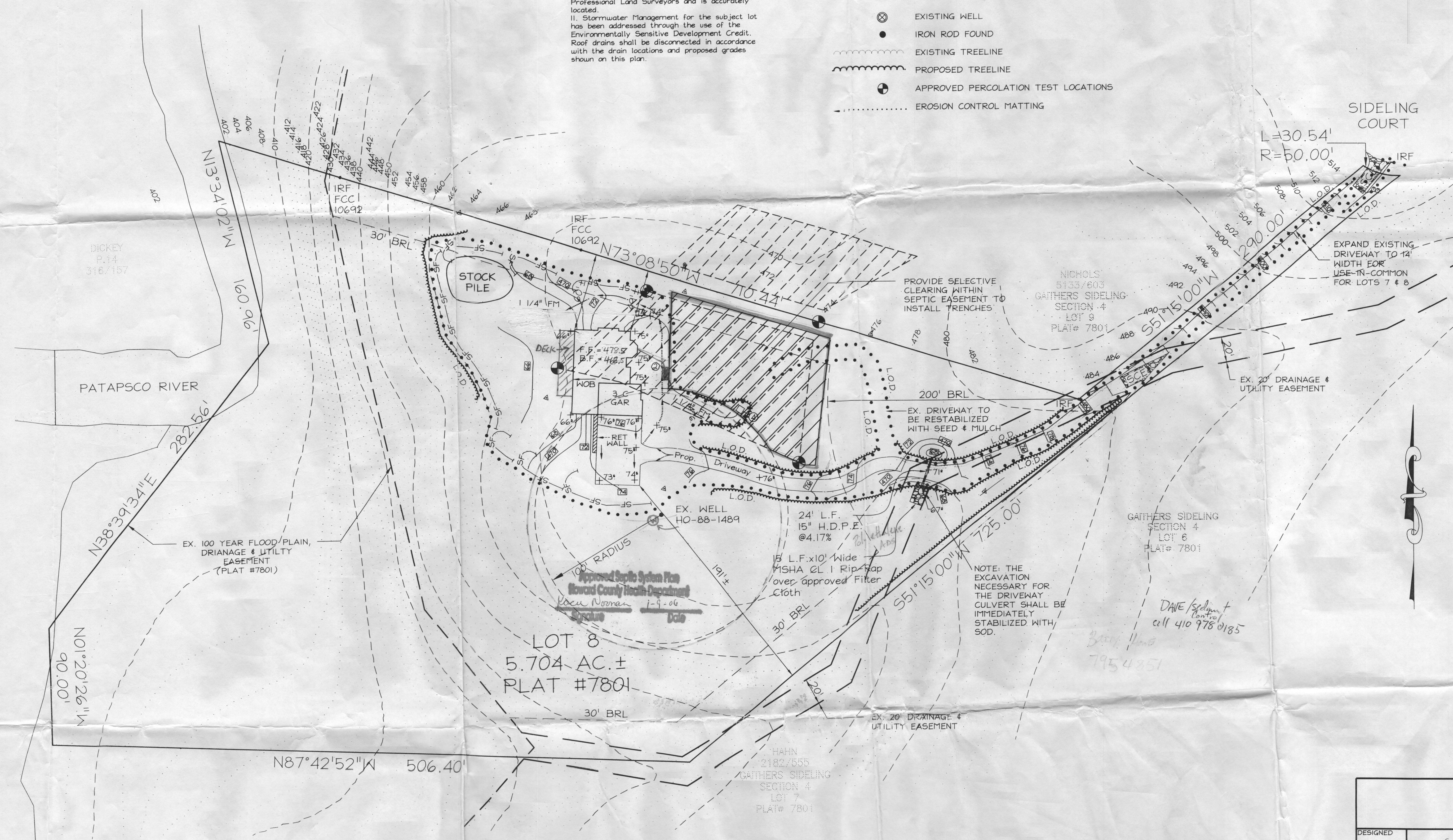
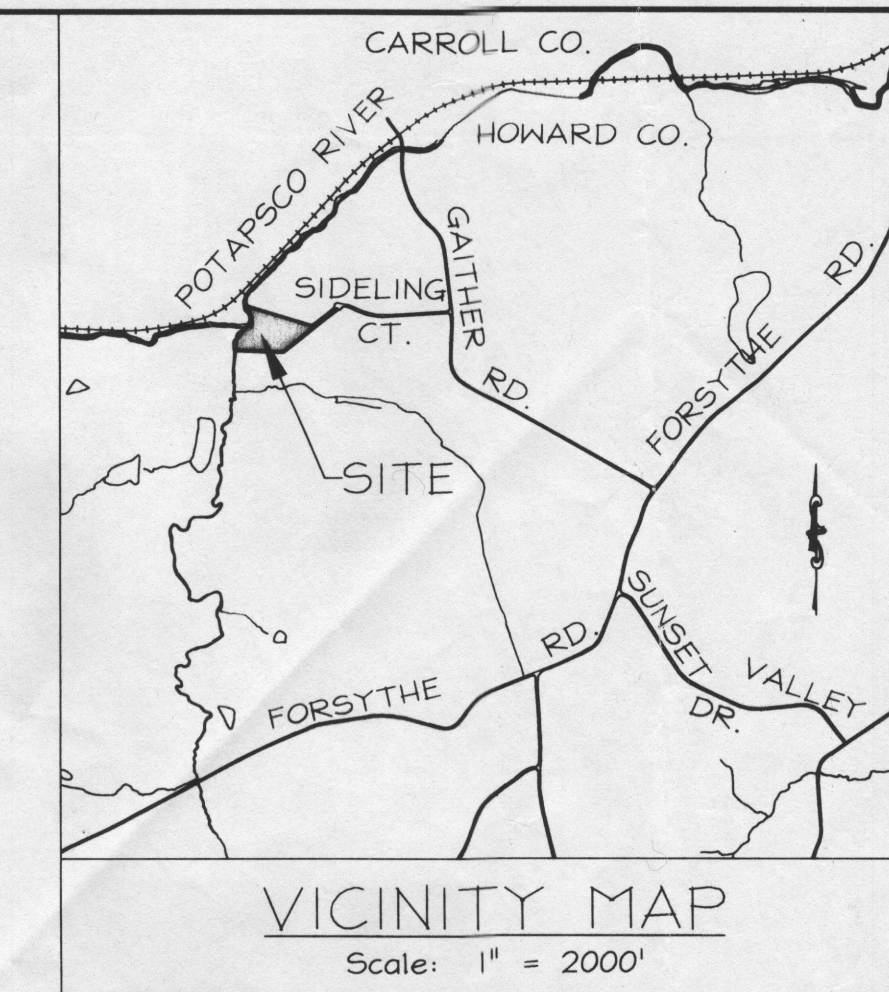
4. Distribution Box (Provide 3 Outlets Minimum)  
A. Ex. Ground Over Box: 477.00  
B. Prop. Grade Over Box: 477.00  
C. Invert in: 473.00
5. Trench Design: 60 LF/Bedroom X 5 Bedrooms = 300 LF

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

NOTES:  
1. Existing Zoning: RC DEO  
2. Plat Reference: Plat # 7801  
3. Total Area of Lot: 5,704 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: 43,351 S.F. / 0.9952 AC.±  
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# 88-1489) 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 the Environmentally Sensitive Development Credit. Roof drains shall be disconnected in accordance with the drain locations and proposed grades shown on this plan.

#### LEGEND

- STABILIZED CONSTRUCTION ENTRANCE  
L.O.D. LIMIT OF DISTURBANCE  
SF - SF SILT FENCE  
-500- EXISTING CONTOUR  
500 PROPOSED GRADE  
DRAINAGE FLOW  
PROPOSED SEWAGE DISPOSAL EASEMENT 10,000 S.F.  
EXISTING SEWAGE DISPOSAL EASEMENT  
EXISTING WELL  
IRON ROD FOUND  
EXISTING TREELINE  
PROPOSED TREELINE  
APPROVED PERCOLATION TEST LOCATIONS  
EROSION CONTROL MATTING



**DEVELOPER'S CERTIFICATE**  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Joseph B. Hagan* 11-8-05  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND NECESSARY MEASURE BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*Bruce D. Boman* 11/9/05  
SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE TECHNICAL REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*Jim Meyer* 11/9/05  
HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. Ralston* 11/9/05  
HOWARD SOIL CONSERVATION DISTRICT

NO.	DATE	REVISIONS

LDE Inc. Engineers, Surveyors, Planners 9250 Ramsey Road, Suite 106 Columbia, Maryland - 21045 (410) 715-1070 - (301) 596-3424 - FAX (410) 715-9340		
DESIGNED SDH	Custom Grading Plan for Building Permit  GAITHERS SIDELING - SECTION 4 LOT 8	SCALE 1" = 40'
DRAWN MDL		DRAWING 1 of 2
CHECKED BDB		JOB NO. 05-200,29.1
DATE 9/20/05 REV 10/05	DEVELOPER Barry Hogan 2055 Bandy Avenue Sykesville, MD 21784	FILE NO.

GP-06-32