

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

ISSUE DATE:

1/10/05

APPROVAL DATE:

1/13/05

PERMIT
INDEXED
04-320247

P 521647

A 520780

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

Cumberland Development IS PERMITTED TO INSTALL ALTER

ADDRESS: 16391 A E Mullinix Road PHONE NUMBER: 301-854-6838

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 2261 Duvall Road PROPERTY OWNER: Curtis Cumberland

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: 126 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 4.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA. Run one 60' trench and one 70' trench.
NOTES:	

PLANS APPROVED: Kevin J. Bell Reviewed by: P.A.-1 1/10/05 DATE: 10/1/04

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 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A 520780

NOT TO SCALE

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
<u>3'</u>	<u>4'</u>	<u>8'</u>
NUMBER OF TRENCHES		<u>2</u>
TOTAL LENGTH		<u>134'</u>
ABSORPTION AREA		<u>40' + Sidewall</u>
DISTRIBUTION BOX LEVEL		<u>Yes</u>
DISTRIBUTION BOX BAFFLE		<u>Yes</u>
DISTRIBUTION BOX PORT		<u>No</u>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>✓</u>
2-Comp. CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>~1.5'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Back</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>N/A</u>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

See Attached Sheet
With Measurements

ROAD

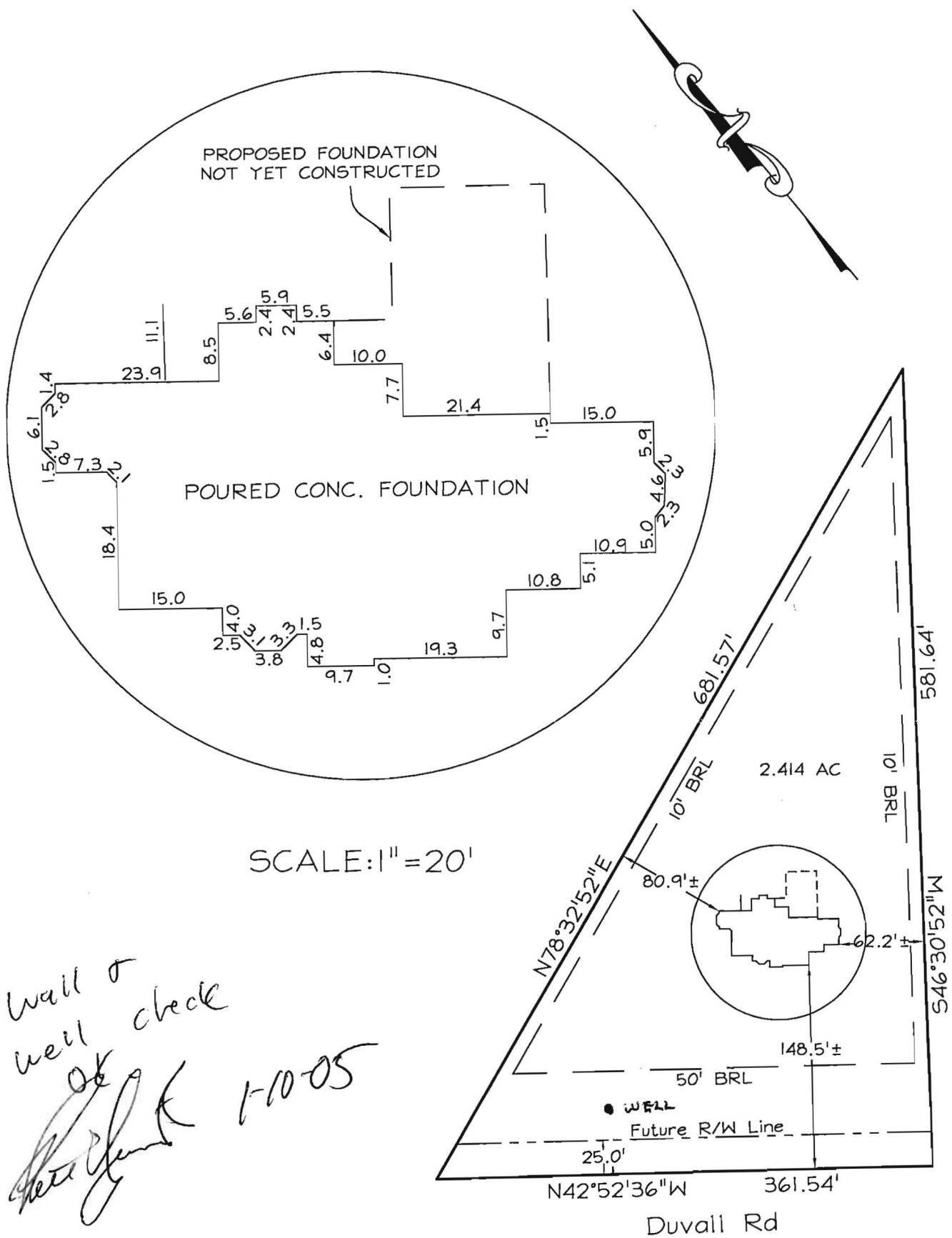
PRE-CONSTRUCTION 1/12/05 Done By K. Noonan. Install as per plan.
End of trenches will be deeper than 8' because of fill. (KC) BB
 INSTALLATION 1/13/05 System finished. O.K. to cover. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 1/13/05

PROPERTY KNOWN AS:
 CUMBERLAND PROPERTY
 TAX MAP NO. 13 GRID NO. 4
 PARCEL 103
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

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

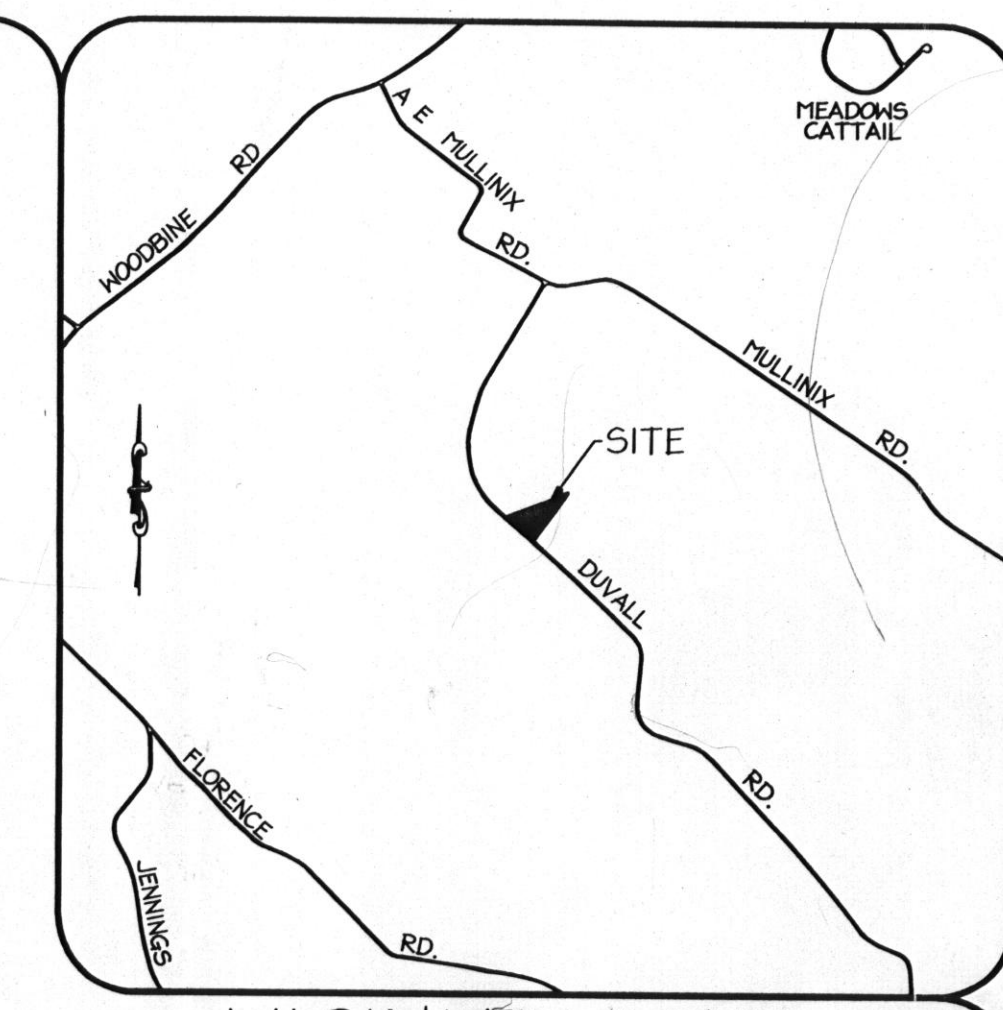


Wall &
 well check
 OK
 [Signature]
 1-10-05

LOCATION DRAWING

TOP WALL = 599.4'

CERTIFICATION	SEAL	SCALE: 1"=100'	DATE: 12/2004
<p>This is to certify that I have surveyed the property known as: 2237 DUVALL ROAD</p> <p>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.</p>		<p>LDE Inc. Engineers, Surveyors, Planners</p> <p>9250 Rumsey Road, Suite 106 Columbia, Maryland - 21045 (410)715-1070 - (410)715-9540 Fax</p>	



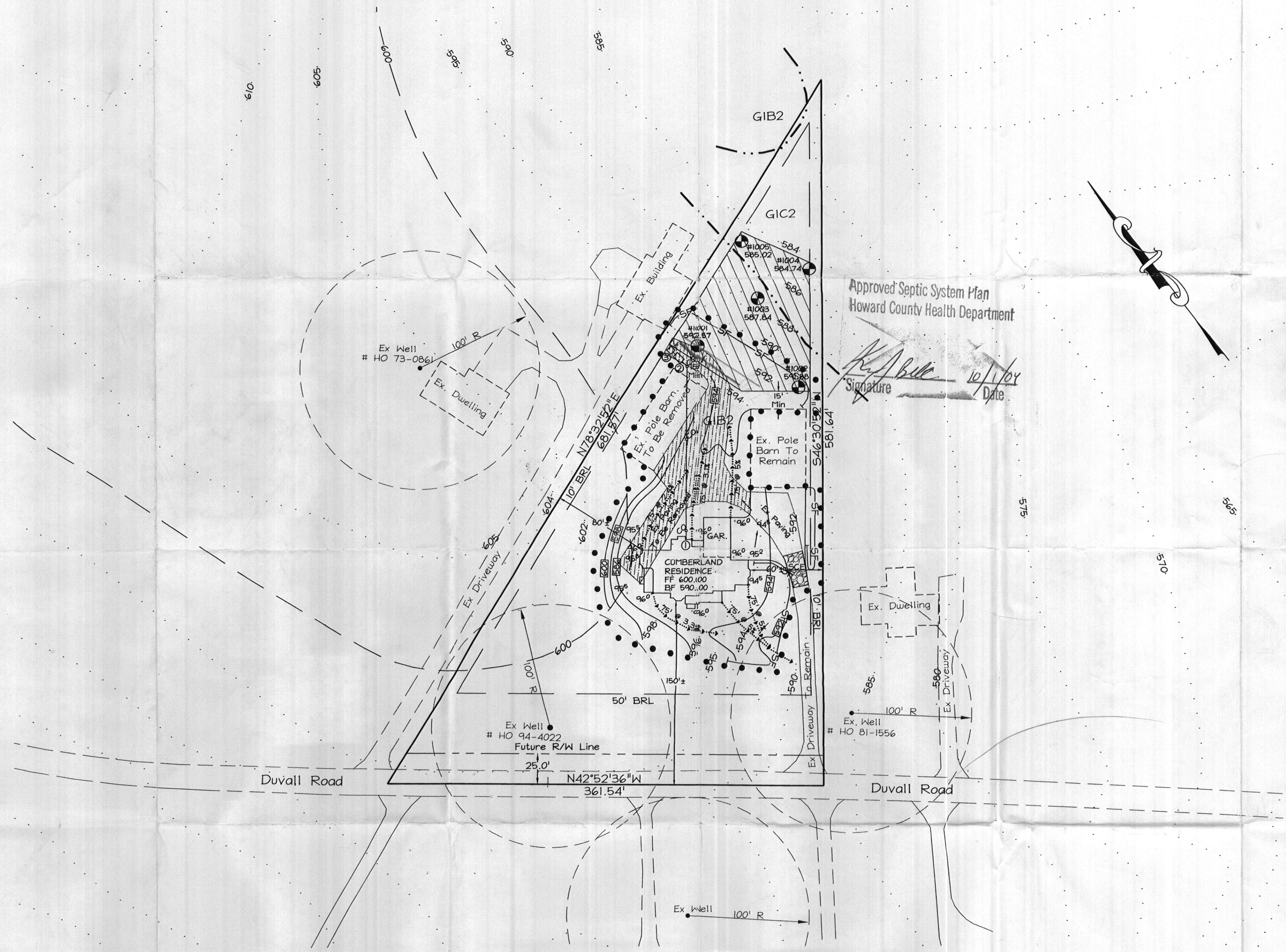
VICINITY MAP
1" = 2000'

Soils Legend (Ho. Co. Soils Map #6)
GIB2 Glenelg Loam, 3-8% Slopes, Mod Eroded
GIC2 Glenelg Loam, 8-15% Slopes, Mod Eroded

- Notes:
- Existing Zoning: RC
 - Deed Reference: Liber 1160 Folio 240
 - Total Area of Lots: 2.414 Ac. ±
 - The lot shown hereon comply with the minimum lot area and the ownership width as required by the Maryland State Department of the Environment.
 - The Topography shown hereon is taken from the Howard county aerial topography and the area within the sewage disposal area has been field verified.
 - The existing wells have been shown within 100 feet of the lot which may effect this proposal.
 - Limit of Disturbance: 27,000 Sq. Ft. +/-
 - 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.
 - See architectural plans for building dimensions.
 - The existing well shown on this plan (identified with the attached well tag number HC# 94-1022) has been field located by LDE, Inc., Professional Land Surveyors and accurately located.

Approved Septic System Plan
Howard County Health Department

[Signature]
Date: 10/1/04



- LEGEND
- Proposed Sewage Disposal Easement
 - Soil Type
 - Percolation Test Site/Passed
 - Stabilized Construction Entrance
 - Limit of Disturbance
 - Silt Fence
 - Existing Contour
 - Proposed Grade
 - Drainage Flow
 - Disconnection Flowpath (75' @5.0% Slopes or Less)
 - Existing Paving To Remain
 - Existing Paving To Be Removed

- SEWAGE SYSTEM DESIGN DATA
- Invert @ Foundation Wall: 593.00 (Wall Hung) (Interior Pump Required for Basement Service/ First Floor Gravity Service Only)
 - 1500 Gallon Septic Tank (5 Bedrooms) Provide Manhole to Finished Grade
 - A. Ex. Ground Over Tank: 594.00
 - B. Prop. Grade Over Tank: 594.00
 - C. Invert In: 591.50
 - D. Invert Out: 591.20
 - Distribution Box: (Provide 3 Outlets Minimum)
 - A. Ex. Ground Over Box: 594.00
 - B. Prop. Grade Over Box: 594.00
 - C. Invert In: 591.00
 - Trench Design: 60 LF/Bedroom X 5 Bedrooms = 300 LF

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.

Approved: For private water and private sewerage
Howard County Health Department

Howard County Health Officer _____ Date _____

D. Wayne Weller, Professional Land Surveyor Date
MD Reg. No. 10585

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.

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

DESIGNED BDB	PLOT PLAN	SCALE 1"=50'
DRAWN MDL	DONALDSON PROPERTY	DRAWING 1 of 1
CHECKED BDB	Tax Map No. 13 - Grid No. 4 - Parcel 103 5th Election District - Howard County, Maryland	JOB NO. 04-038
DATE 8/2004	DEVELOPER Curtis Cumberland 16391 A.E. Mullinix Road Woodbine, MD 21797 301-252-1122	FILE NO. -

