

SOILS LEGEND			
SYMBOL	NAME/DESCRIPTION	GROUP	"K" FACTOR
B/C	BRINKLOW CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	C	0.20
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C	0.55
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
GgC	GLENELG LOAM, 0 TO 15 PERCENT SLOPES	B	0.24
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	CD	0.37
Ha	HATBORO-CODORUS SILT LOAMS, 0 TO 3 PERCENT SLOPES	B/D	0.37

NOTES:
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

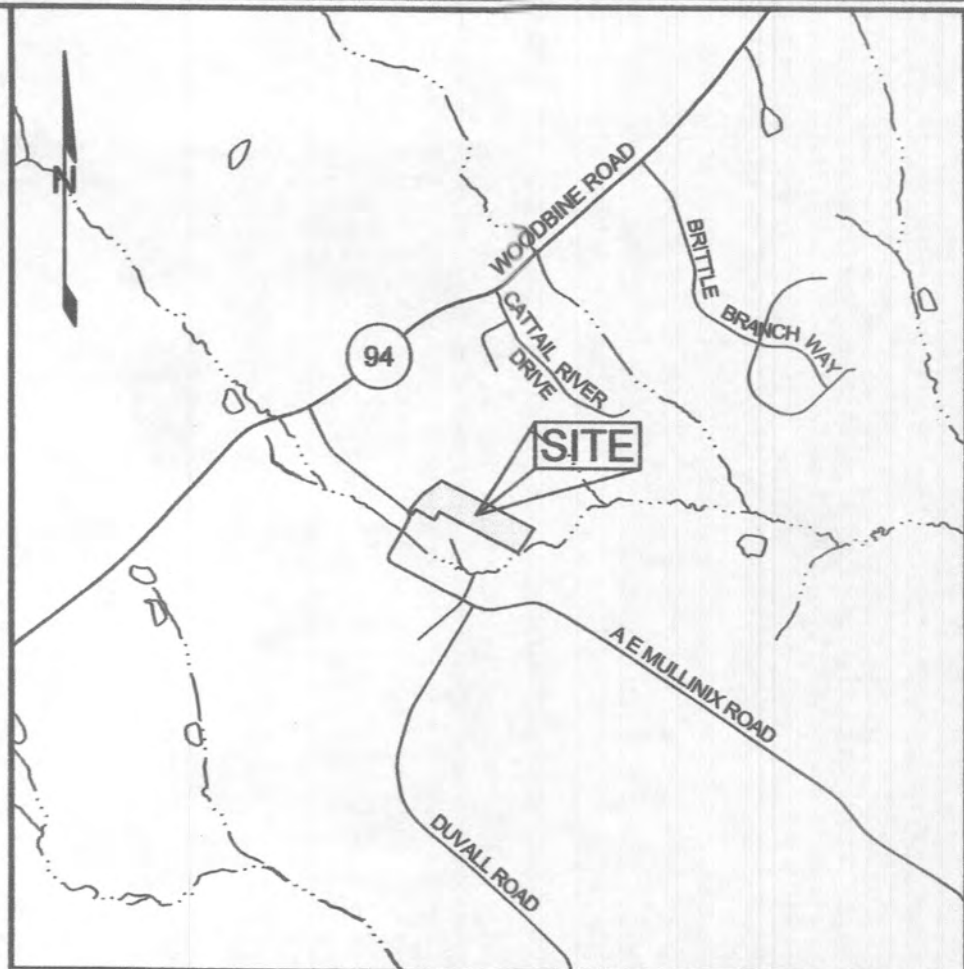
GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO PER 10-26-2013 COMPREHENSIVE ZONING PLAN.
- PROPERTY ADDRESS: 16750 A E MULLINIX ROAD, WOODBINE, MARYLAND 21797
- PLAT REFERENCE: NO. 6646
- DEED REFERENCE: LIBER 1473, FOLIO 87
- PROJECT ACREAGE: PARCEL 506: 8.567 AC.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET (OR 10,000 SQUARE FEET PER LOT FOR SHARED DRAIN FIELDS ASSOCIATED WITH A SHARED SEWAGE DISPOSAL FACILITY) AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON HOWARD COUNTY TAX MAP INFO & RECORD PLAT NO. 6646.
- THE EXISTING TOPOGRAPHY SHOWN WITHIN AND AROUND THE PROPOSED PRIVATE SEWAGE AREA IS BASED ON A FIELD RUN TOPOGRAPHIC SURVEY PREPARED BY SILL ENGINEERING GROUP, LLC IN AUGUST OF 2024. TOPOGRAPHY OUTSIDE THIS AREA IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA AND REPLACEMENT WELLS FOR THE EXISTING HOUSE ON LOT 1 TO ACCOMMODATE AN ADDITION TO THE EXISTING HOUSE ON SITE.

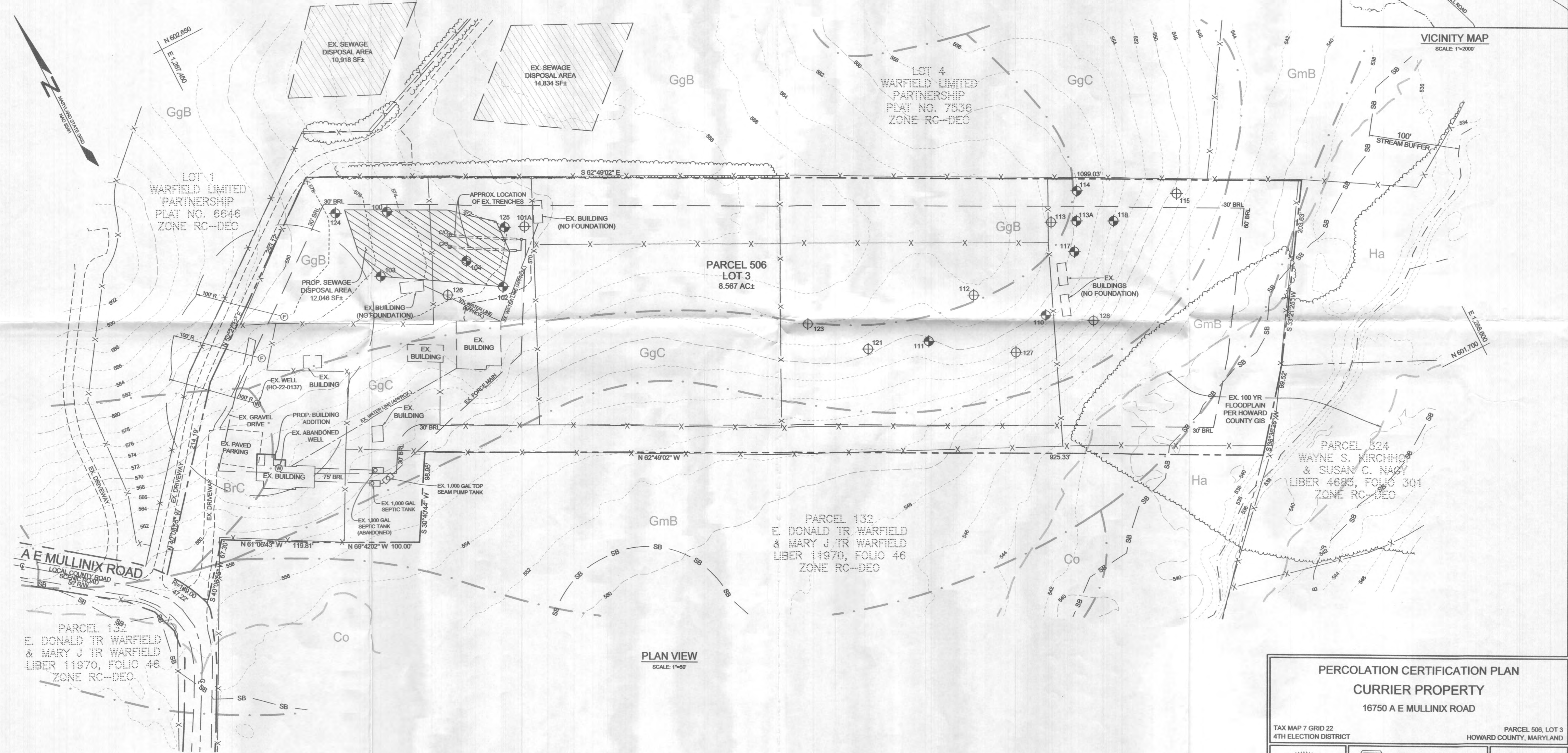
PERCOLATION HOLE ELEVATIONS			
PERC HOLE	ELEVATION	PERC HOLE	ELEVATION
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112	563.31	126	573.83
113	561.52	127	567.65
113A	559.48	128	552.84
114	559.59	-	-

LEGEND

EXISTING 2FT CONTOUR
EXISTING 10FT CONTOUR
EXISTING 2FT GIS CONTOUR
EXISTING 10FT GIS CONTOUR
EXISTING SPOT ELEVATION
EXISTING TREELINE
EXISTING FENCE
SOIL BOUNDARY
EXISTING FLOODPLAIN
EXISTING PERCOLATION TEST HOLE: PASSED
EXISTING PERCOLATION TEST HOLE: FAILED
EXISTING WELL
FUTURE REPLACEMENT WELL
EXISTING SEPTIC CLEANOUT



VICINITY MAP
SCALE: 1"=2000'



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

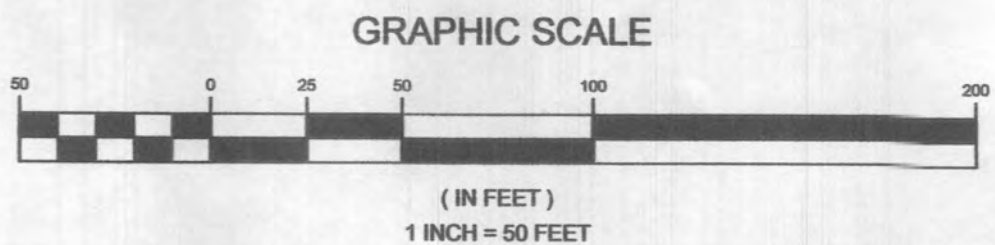
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COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

PAUL M. SILL, P.E., LEED AP
LICENSED PROFESSIONAL ENGINEER #32025

DATE

08/15/24



OWNER

THEODORE V. CURRIER &
IRISTI L. CURRIER
1650 A E MULLINIX ROAD
WOODBINE, MD 21797

PERCOLATION CERTIFICATION PLAN

CURRIER PROPERTY

16750 A E MULLINIX ROAD

TAX MAP 7 GRID 22
4TH ELECTION DISTRICT

PARCEL 506, LOT 3
HOWARD COUNTY, MARYLAND



SILL ENGINEERING GROUP, LLC

16005 Frederick Road, 2nd Floor
Woodbine, Maryland 21797
Phone: 410.312.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering & Surveying for Land Development

DESIGN BY: PS
DRAWN BY: AC
CHECKED BY: PS
SCALE: AS SHOWN
DATE: AUGUST 15, 2024
PROJECT #: 22-023
SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2025.

SOILS LEGEND			
SYMBOL	NAME/DESCRIPTION	GROUP	"K" FACTOR
BrC	BRINKLOW CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	C	0.20
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C	0.55
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.24
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C/D	0.37
Ha	HATBORO-CODORUS SILT LOAMS, 0 TO 3 PERCENT SLOPES	B/D	0.37

NOTES:
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GENERAL NOTES

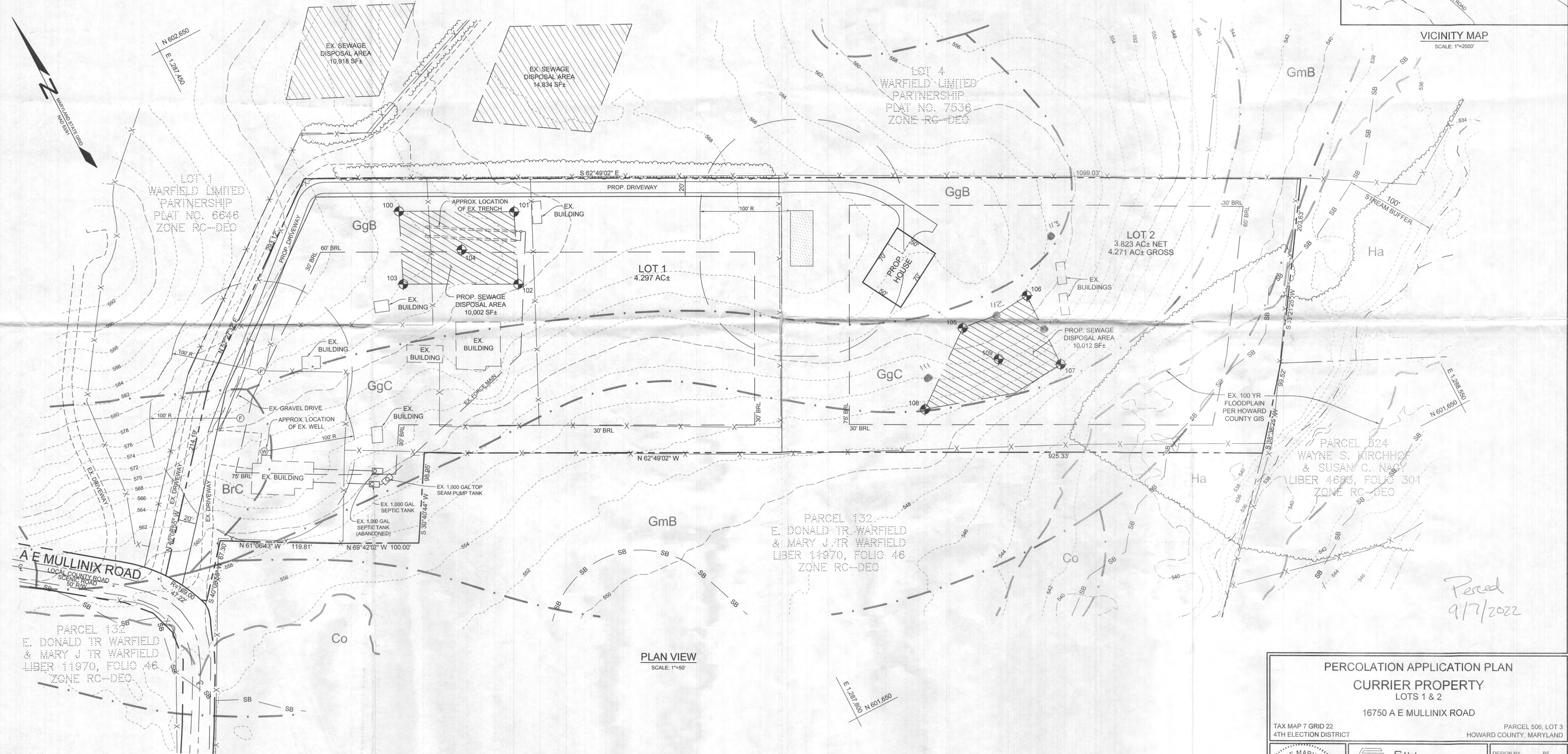
- SUBJECT PROPERTY ZONED RC-DEO PER 10-06-2013 COMPREHENSIVE ZONING PLAN.
- PROPERTY ADDRESS: 16750 A E MULLINIX ROAD, WOODBINE, MARYLAND 21197
- PLAT REFERENCE: NO. 6646
- DEED REFERENCE: LIBER 1473, FOLIO 87
- PROJECT ACREAGE: PARCEL 508: 8.907 AC
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET (OR 10,000 SQUARE FEET PER LOT FOR SHARED DRAIN FIELDS ASSOCIATED WITH A SHARED SEWAGE DISPOSAL FACILITY) AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
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- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA AND REPLACEMENT WELLS FOR THE EXISTING HOUSE ON LOT 1 AND TO ESTABLISH A SEWAGE DISPOSAL AREA AND WELL LOCATION FOR THE FUTURE HOUSE ON LOT 2.

LEGEND

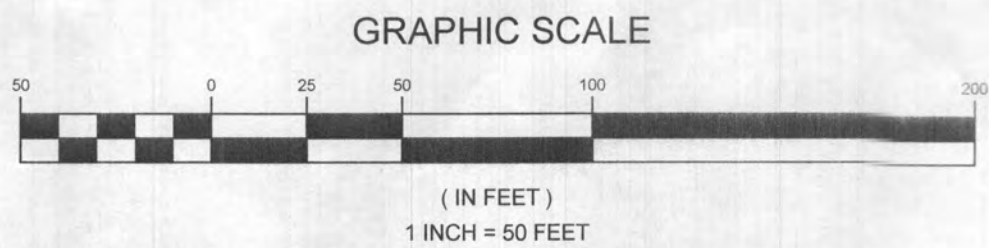
- EXISTING 2FT CONTOUR
- EXISTING 10FT CONTOUR
- EXISTING SPOT ELEVATION
- EXISTING TREELINE
- EXISTING FENCE
- SOIL BOUNDARY
- EXISTING FLOODPLAIN
- PROPOSED WELL BOX
- PROPOSED PERCOLATION TEST HOLE
- PROPOSED REPLACEMENT WELL
- EXISTING WELL



VICINITY MAP
SCALE: 1"=200'



PLAN VIEW
SCALE: 1"=50'



OWNER
THEODORE V. CURRIER &
KRISTI L. WF. CURRIER
16750 A E MULLINIX ROAD
WOODBINE, MD 21197



SILL
ENGINEERING
GROUP, LLC

16005 Frederick Road, 2nd Floor
Woodbine, Maryland 21197
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

DESIGN BY: PS
DRAWN BY: AC
CHECKED BY: PS
SCALE: AS SHOWN
DATE: AUGUST 5, 2022
PROJECT #: 22-023
SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE JUNE 20, 2023.

SOILS LEGEND			
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GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.24
GmB	GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES	C/D	0.37
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GENERAL NOTES

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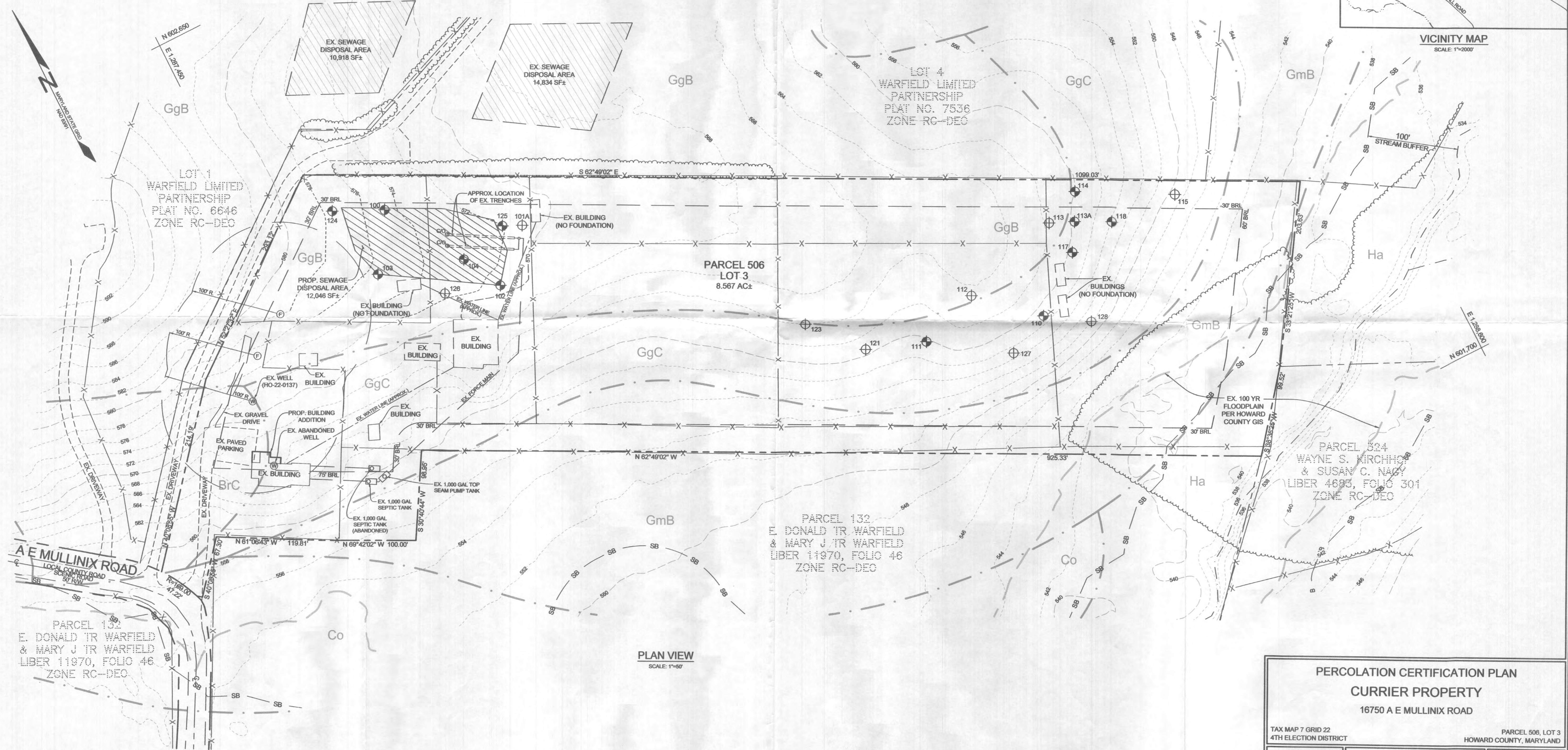
PERCOLATION HOLE ELEVATIONS			
PERC HOLE	ELEVATION	PERC HOLE	ELEVATION
100	574.63	115	548.05
101A	571.19	117	559.49
102	571.13	118	555.97
103	575.16	121	560.78
104	572.99	123	563.95
110	559.09	124	577.62
111	559.46	125	572.15
112	563.31	126	573.83
113	561.52	127	557.65
113A	559.48	128	552.84
114	559.59	-	-

LEGEND

EXISTING 2FT CONTOUR
EXISTING 10FT CONTOUR
EXISTING 2FT GIS CONTOUR
EXISTING 10FT GIS CONTOUR
EXISTING SPOT ELEVATION
EXISTING TREELINE
EXISTING FENCE
SOIL BOUNDARY
EXISTING FLOODPLAIN
EXISTING PERCOLATION TEST HOLE: PASSED
EXISTING PERCOLATION TEST HOLE: FAILED
EXISTING WELL
FUTURE REPLACEMENT WELL
EXISTING SEPTIC CLEANOUT



VICINITY MAP
SCALE: 1"=200'



PLAN VIEW
SCALE: 1"=50'

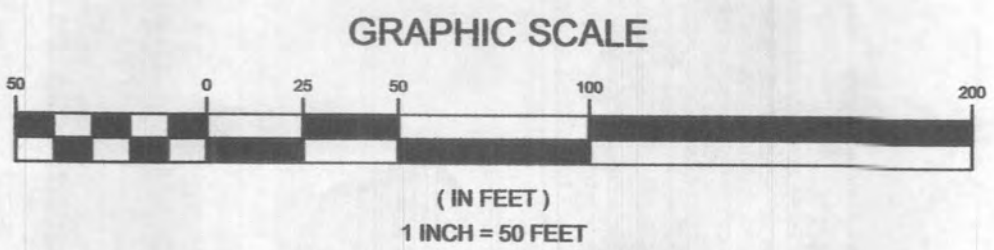
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COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

PAUL M. SILL, PE, LEED AP
LICENSED PROFESSIONAL ENGINEER #32025

DATE: 8.15.24



OWNER
THEODORE V. CURRIER &
KRISTI L. CURRIER
16750 A E MULLINIX ROAD
WOODBINE, MD 21797



SILL ENGINEERING GROUP, LLC
16005 Frederick Road, 2nd Floor
Woodbine, Maryland 21797
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering & Surveying for Land Development

DESIGN BY: PS
DRAWN BY: AC
CHECKED BY: PS
SCALE: AS SHOWN
DATE: AUGUST 15, 2024
PROJECT #: 22-023
SHEET #: 1 of 1

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SOILS LEGEND			
SYMBOL	NAME/DESCRIPTION	GROUP	"K" FACTOR
Brc	BRINKLOW CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	C	0.20
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C	0.55
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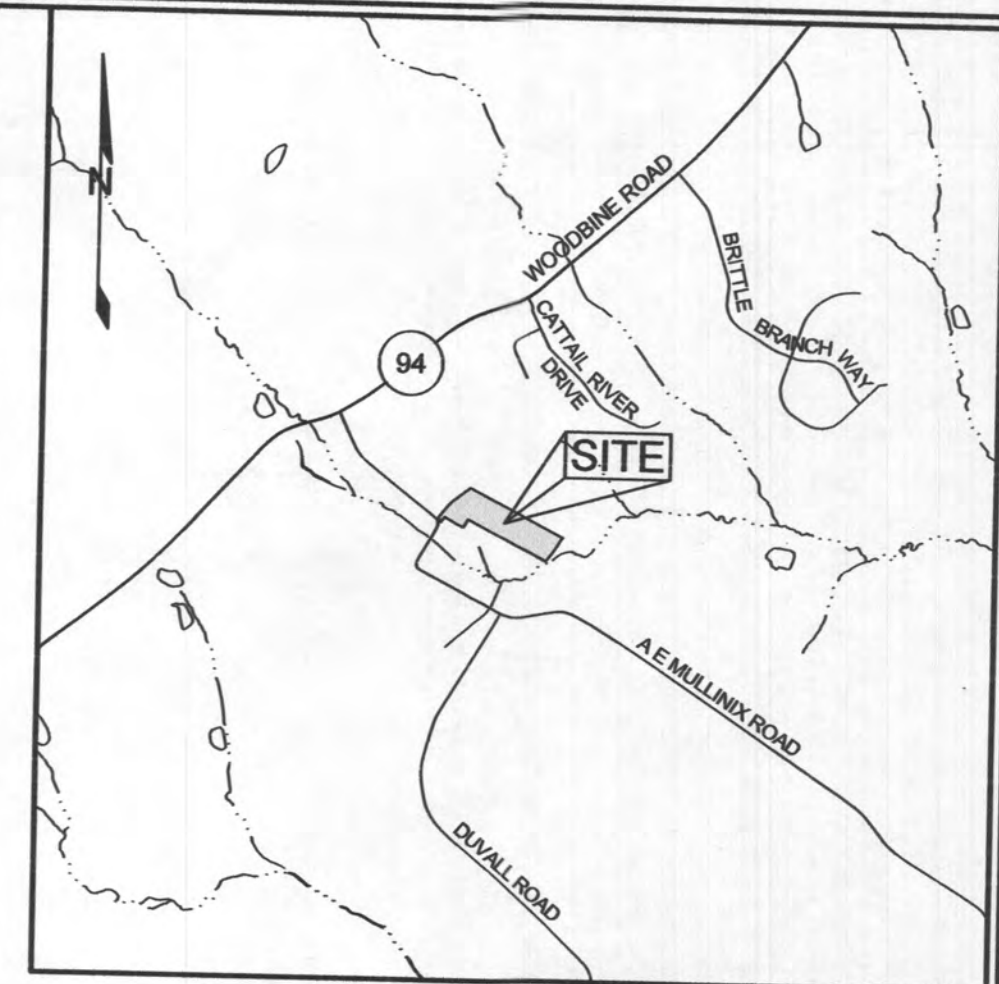
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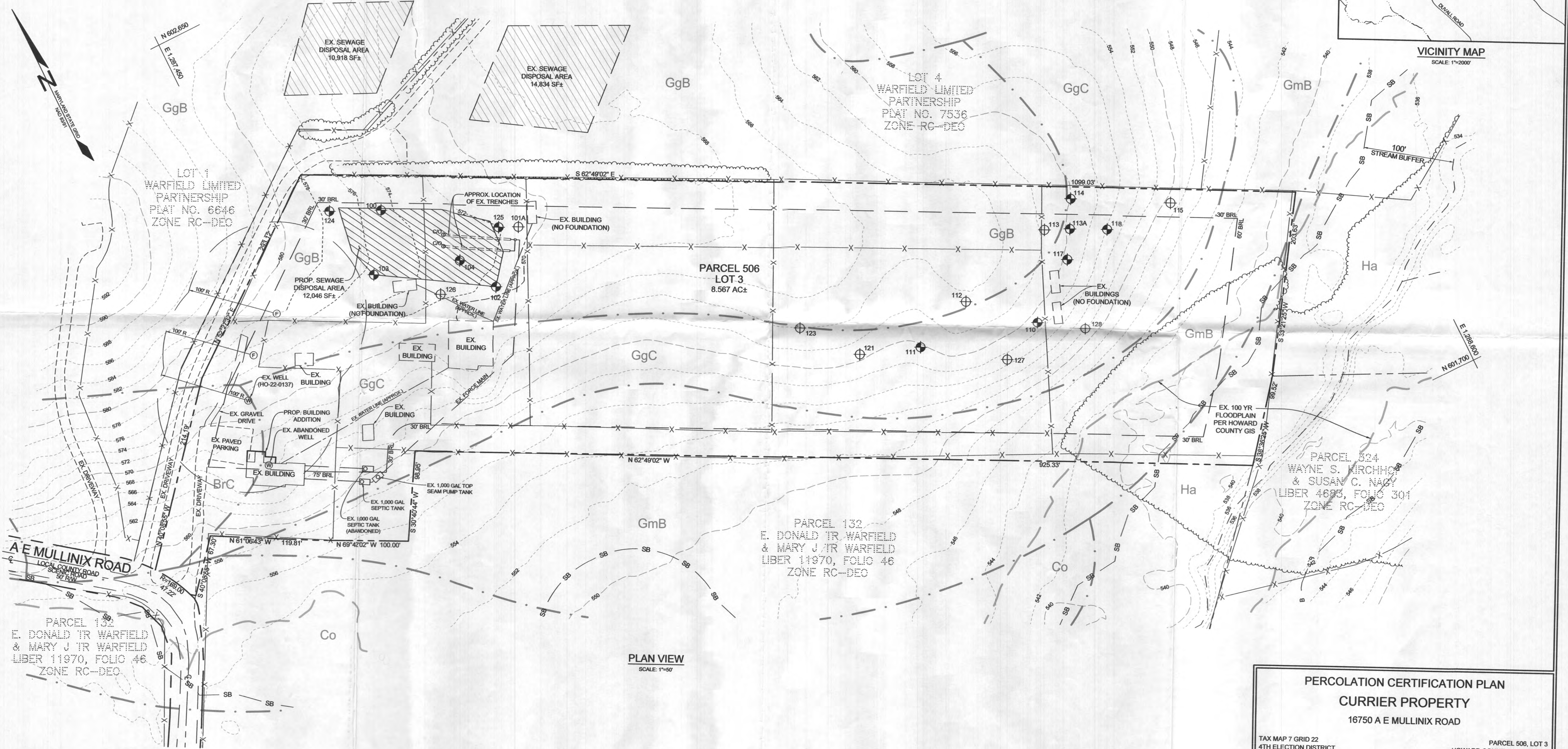
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LEGEND

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EXISTING 10FT CONTOUR
EXISTING 20FT CONTOUR
EXISTING 10FT GIS CONTOUR
EXISTING SPOT ELEVATION
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EXISTING PERCOLATION TEST HOLE: PASSED
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VICINITY MAP
SCALE: 1"=200'



PLAN VIEW
SCALE: 1"=50'

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OWNER
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CRIST L. CURRIER
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WOODBINE, MD 21797

TAX MAP 7 GRID 22
4TH ELECTION DISTRICT

PARCEL 506, LOT 3
HOWARD COUNTY, MARYLAND



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16005 Frederick Road, 2nd Floor
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