



Upper reach of main channel.
Photo shows no flow in the channel
on April 18, 2022. The site had
experienced notable rain within
36 hours prior to field visit.

Note the discontinuous scour
pattern and leaf accumulation
within the channel



Another view of channel.
No flow, no evidence of hydric
soils along slope face or
in channel bottom



Close up of scour pattern
in bottom of the drainage
way. Note vegetation growing
within the scour pattern



Close up on condition of
Secondary Channel to west of
main channel, no scour pattern.

11813 Chapel Wood Court



Note vegetation growing
in and adjacent to scoured
pattern in main channel

11813 Chapel Wood Court



Some ponding of surface water found approximately 150' downslope of property boundary. There had been notable precipitation in the area within 36 hours prior to field visit.



Looking upslope at puddle in drainage channel. Scour pattern in foreground is down slope showing no flow in this area.

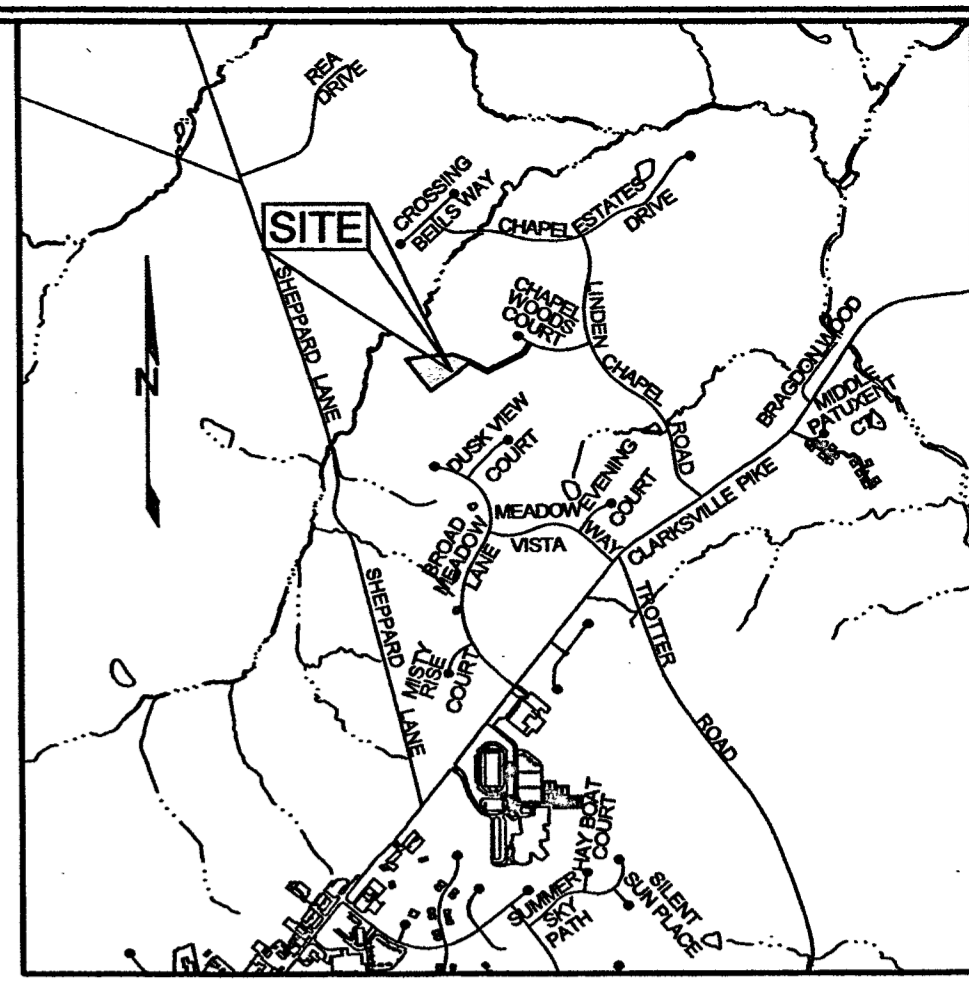
11813 Chapel Wood Court

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	0.28
GmC	GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES	C	0.43
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C/D	0.37
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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.

LEGEND

- EXISTING CONTOUR(GIS) 382
- EXISTING CONTOUR(FIELD RUN) 382
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING ELECTRIC MARKING
- PERCOLATION TEST HOLE: PASSED 2022
- PERCOLATION TEST HOLE: PASSED 1988
- FUTURE WELL LOCATION
- PROPOSED SEWAGE DISPOSAL AREA
- 25% OR GREATER STEEP SLOPES

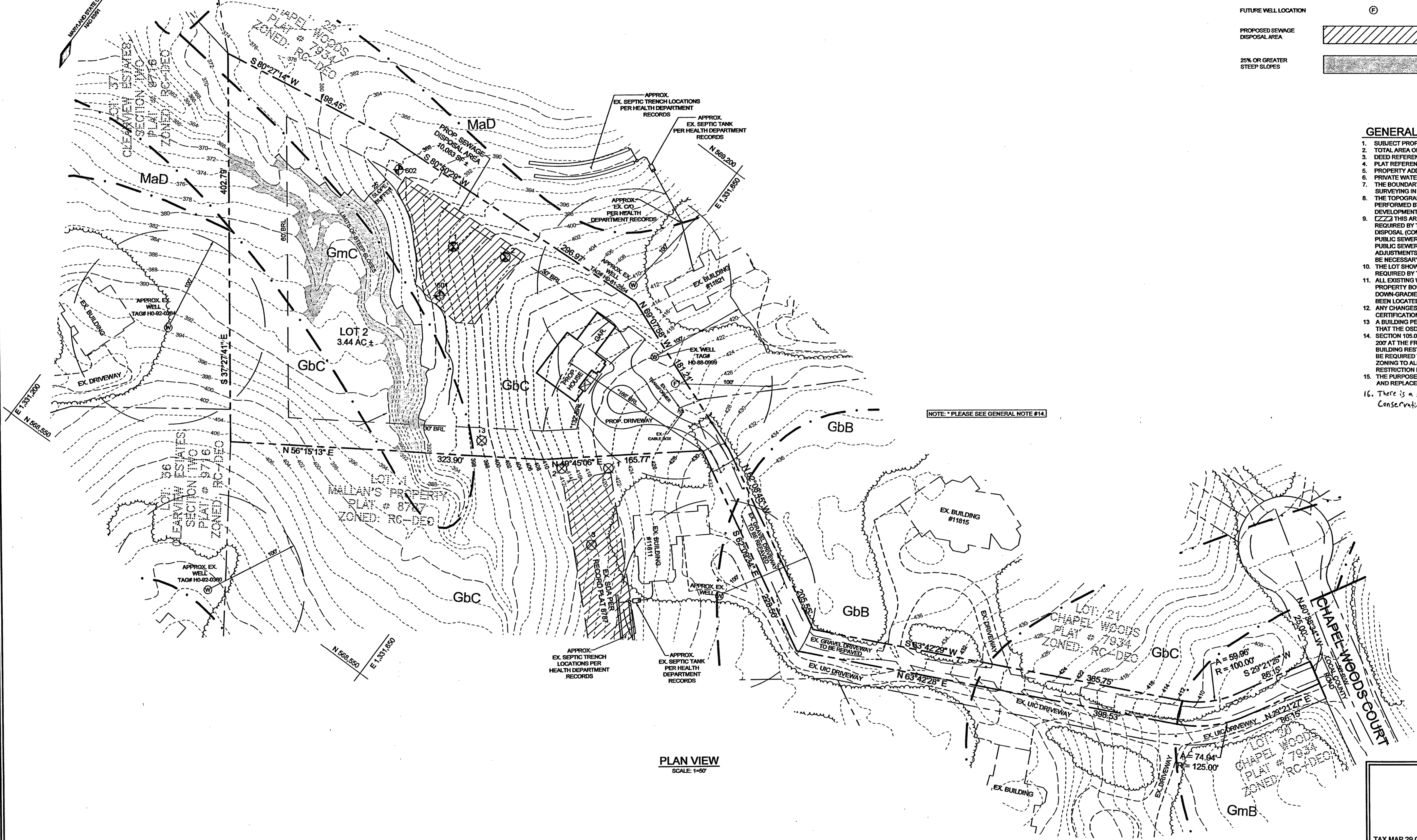


VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 3.54 AC.±
- DEED REFERENCE: LIBER 3743 FOLIO 00571.
- PLAT REFERENCE: PLAT # 8787.
- PROPERTY ADDRESS: 11813 CHAPEL WOODS COURT, CLARKVILLE MD 21029
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THE BOUNDARY SHOWN HERE ON IS BASED ON A BOUNDARY SURVEY PERFORMED BY SEG LAND SURVEYING IN NOVEMBER OF 2021.
- THE TOPOGRAPHY SHOWN WITHIN THE DEVELOPMENT AREA IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY SEG LAND SURVEYING IN AUGUST OF 2022. TOPOGRAPHY OUTSIDE OF THE AREA OF DEVELOPMENT IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018.
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- There is a signed mylar plat from 12/14/23 that establishes the Forest Conservation Easement for this property (F-24-024; Mallan Property).

NOTE: *PLEASE SEE GENERAL NOTE #14



OWNER/DEVELOPER
 ALHAD & KAREN CHANDE
 11101 DORSCH FARM ROAD
 ELLICOTT CITY, MARYLAND 21042

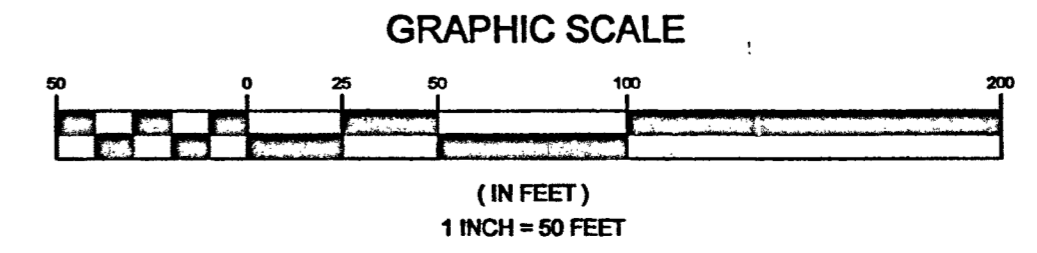
PERCOLATION CERTIFICATION PLAN

CHANDE PROPERTY

11813 CHAPEL WOODS COURT
 LOT 2 MALLAN'S PROPERTY

TAX MAP 29 GRID 13 5TH ELECTION DISTRICT PARCEL 36 LOT 2 HOWARD COUNTY, MARYLAND

		DESIGN BY: PS
	16005 Frederick Road, 2nd Floor Woodbine, Maryland 21797 Phone: 443.325.5076 Fax: 410.696.2022 Email: info@sillengineering.com Civil Engineering for Land Development	DRAWN BY: ZS
		CHECKED BY: PS
		SCALE: AS SHOWN
		DATE: JANUARY 24, 2022
		PROJECT #: 20-067
		SHEET #: 1 of 1



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY COUNTY HEALTH OFFICER HOWARD COUNTY HEALTH DEPARTMENT	I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF. PAUL M. SILL, PE, LEED AP LICENSED PROFESSIONAL ENGINEER #32025 DATE: 1/24/23
--	---

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 30, 2025.

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
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LEGEND

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EXISTING CONTOUR (FIELD RUN) 382

EXISTING TREELINE

SOIL BOUNDARY

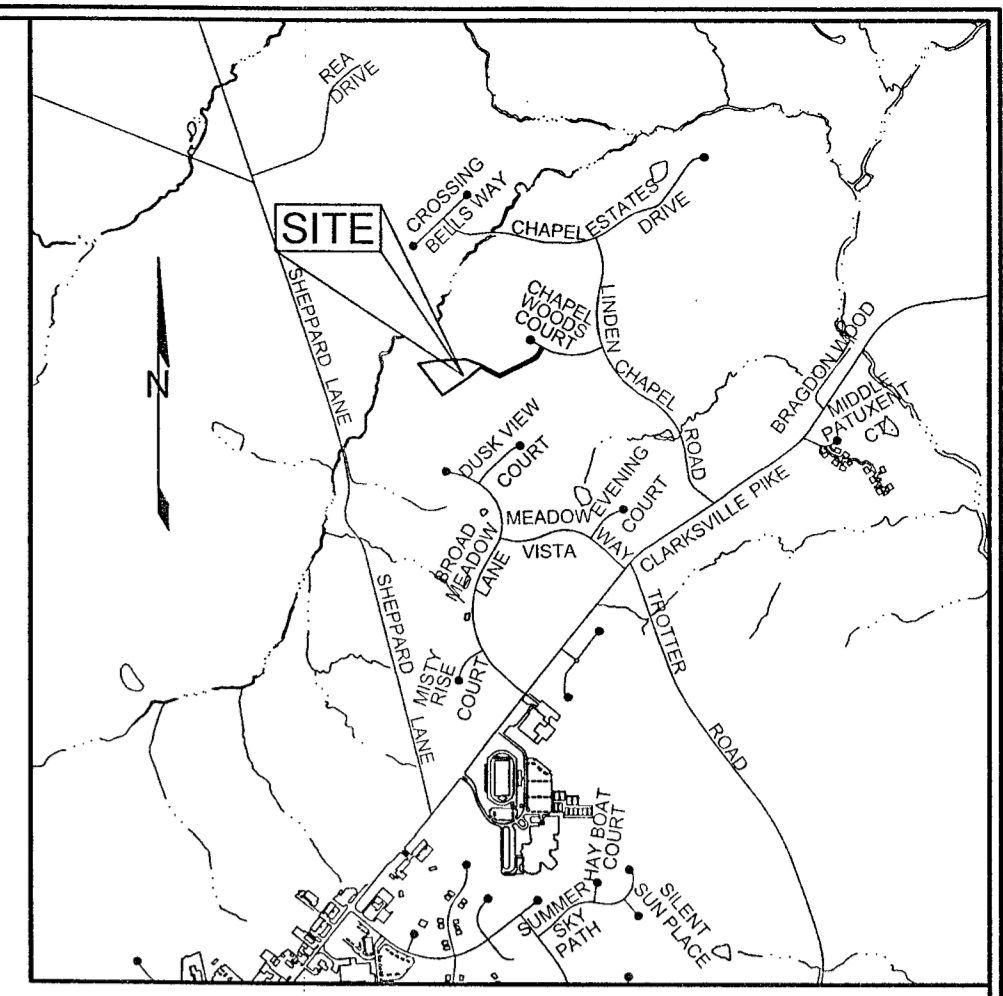
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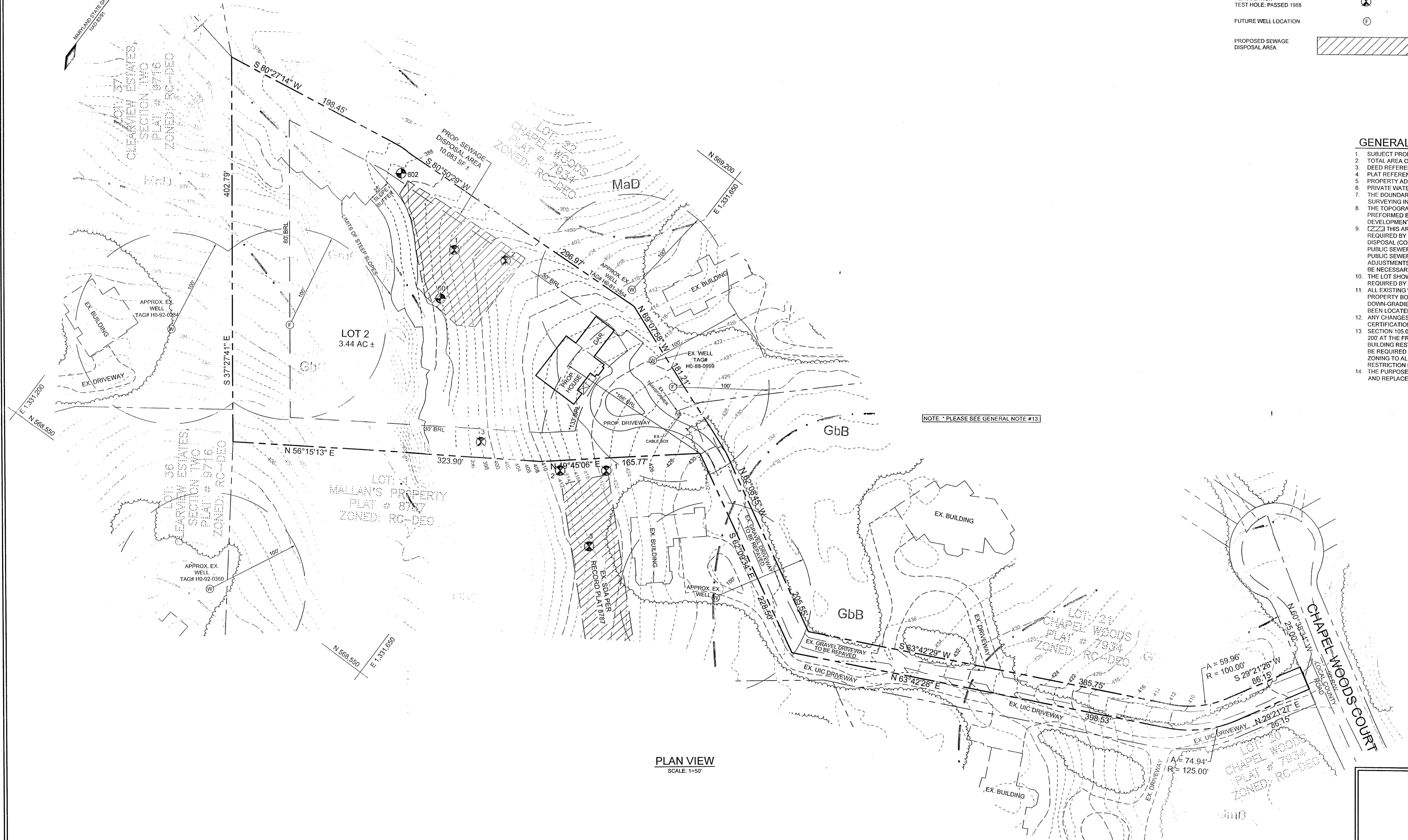
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FUTURE WELL LOCATION

PROPOSED SEWAGE DISPOSAL AREA



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OWNER/DEVELOPER
 ALHAD & KAREN CHANDE
 11101 DORSCH FARM ROAD
 ELLICOTT CITY, MARYLAND 21042

PERCOLATION CERTIFICATION PLAN
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 LOT 2 MALLAN'S PROPERTY
 TAX MAP 29 GRID 13
 5TH ELECTION DISTRICT
 PARCEL 36 LOT 2
 HOWARD COUNTY, MARYLAND

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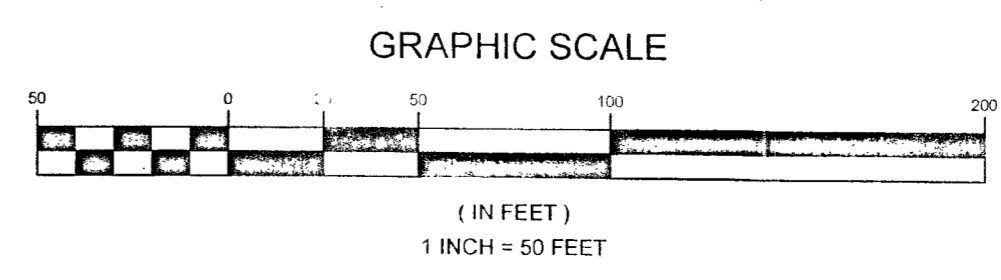
DESIGN BY: PS
 DRAWN BY: ZS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: OCTOBER 26, 2022
 PROJECT #: 20-067
 SHEET #: 1 of 1

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

COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025
 DATE: 10/26/22



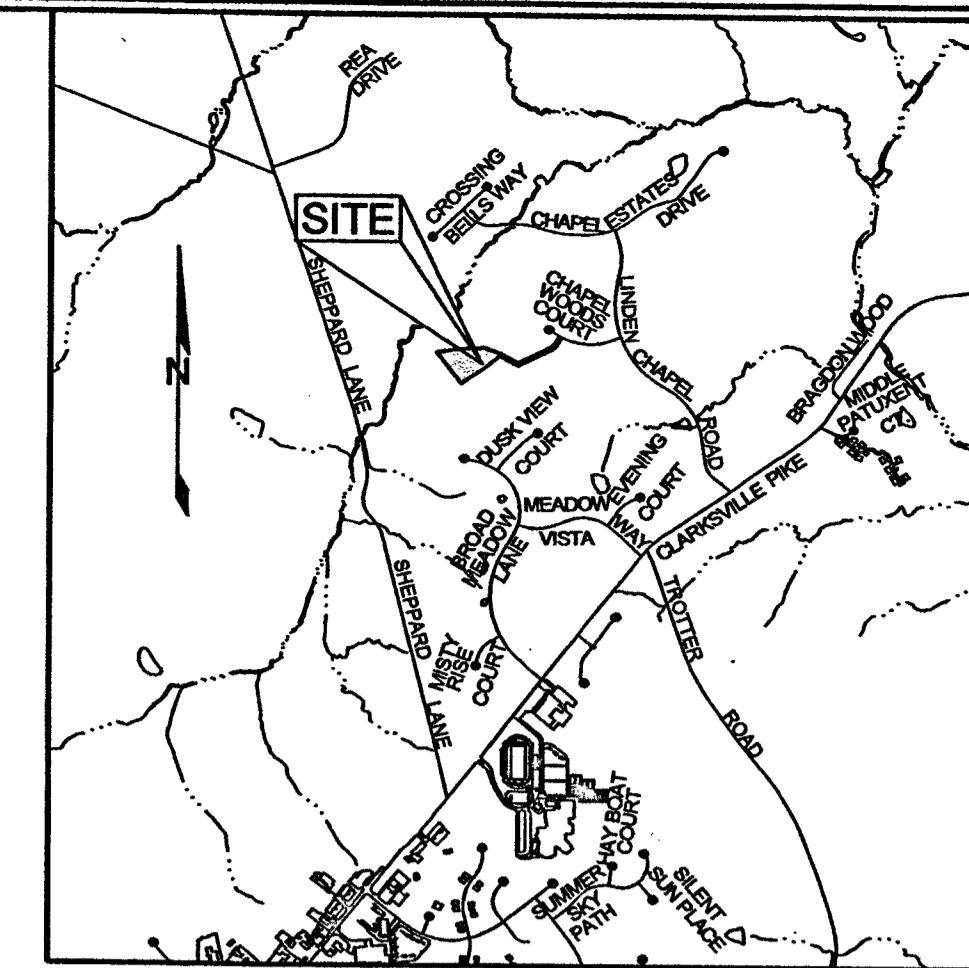
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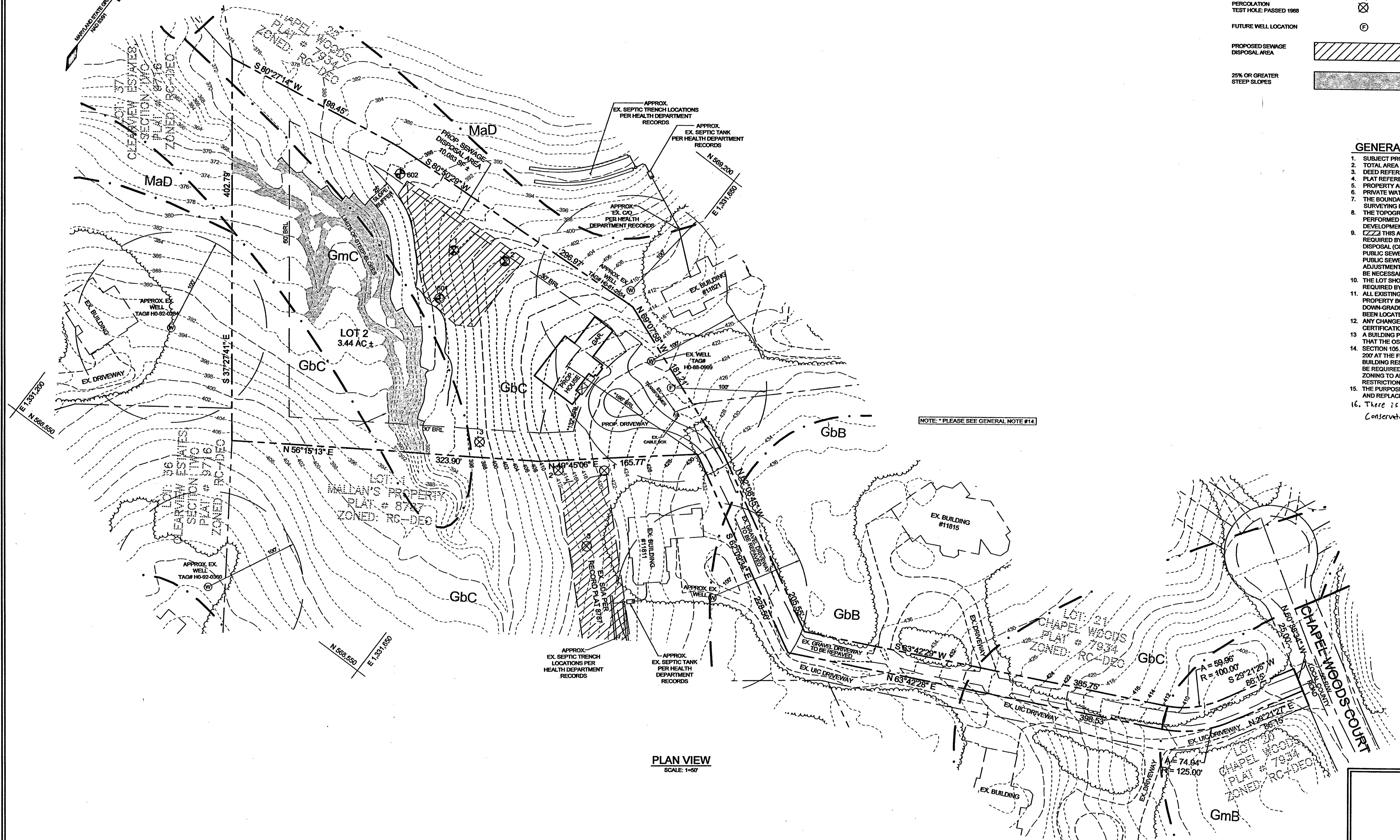


VICINITY MAP
SCALE: 1"=2000'

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NOTE: * PLEASE SEE GENERAL NOTE #14



PLAN VIEW
SCALE: 1"=50'

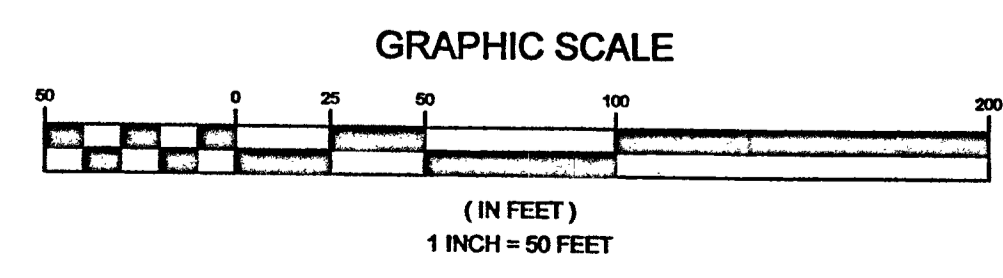
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PERCOLATION CERTIFICATION PLAN

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TAX MAP 29 GRID 13 PARCEL 36 LOT 2
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

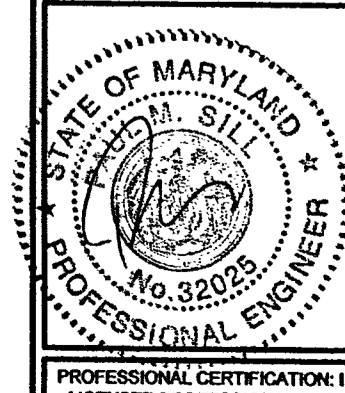


APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT 96
 3/8/23

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 DATE 3/8/23



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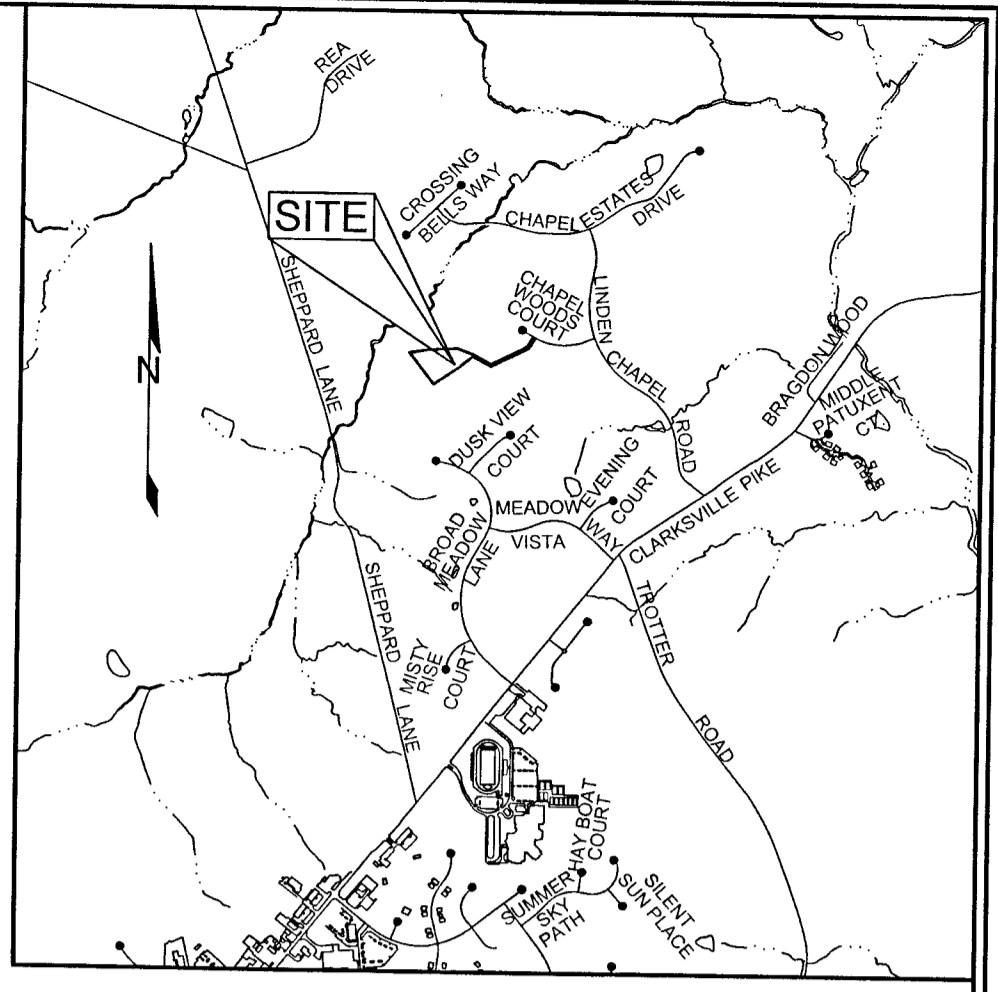
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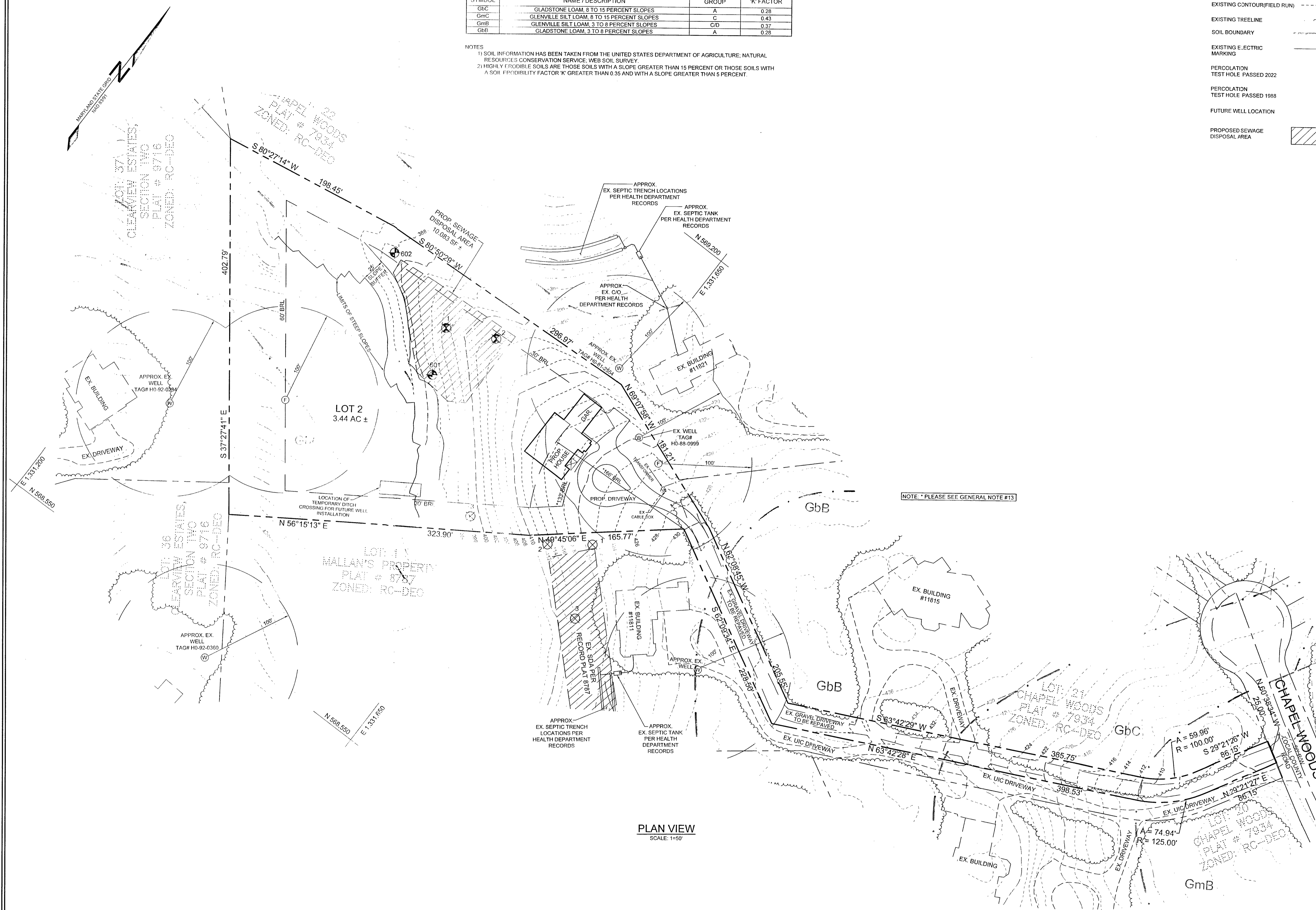
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VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

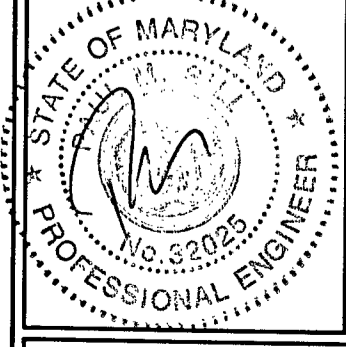
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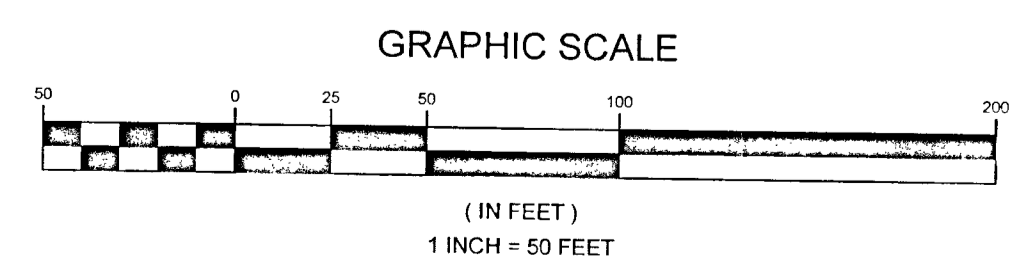
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 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: ZS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: DECEMBER 20, 2022
 PROJECT #: 20-067
 SHEET #: 1 of 1



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

COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025
 DATE: 12/21/22

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 25, 2023.