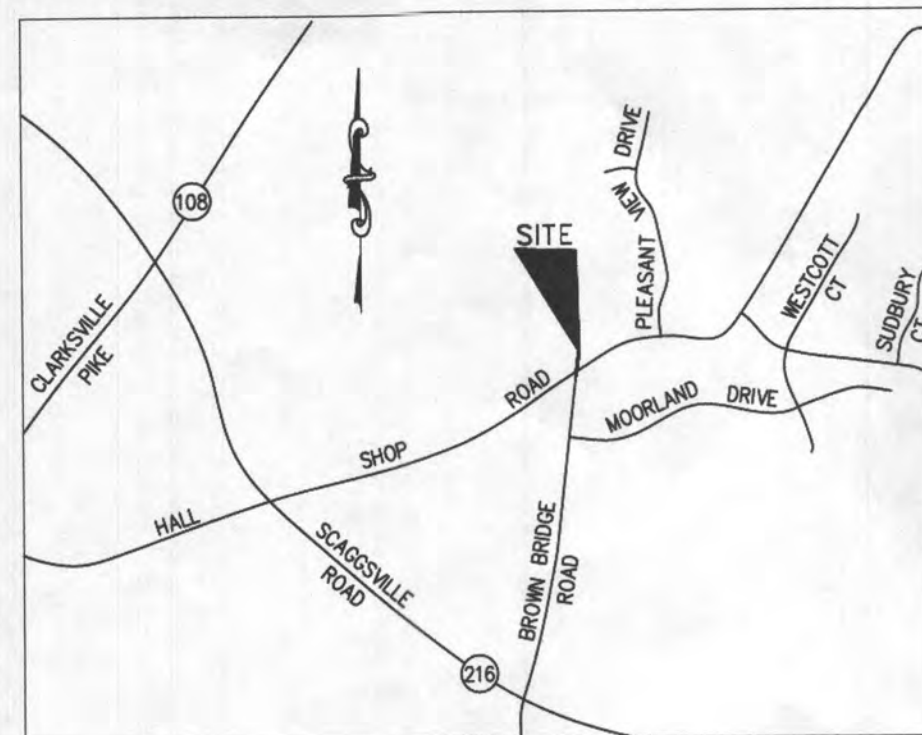




VICINITY MAP
SCALE: 1" = 2000'
ADC MAP PAGE 31, D-6

GENERAL NOTES

1. PARCEL 274, TAX MAP 40, GRID 6.
2. DEED REF. L11905, F. 107.
3. ELECTION DISTRICT: 5.
4. ZONING: RR-DEO.
5. PROPOSED SEWER - PRIVATE; PROPOSED WATER - PRIVATE.
6. THE PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY NJR & ASSOCIATES IN JULY OF 2020.
7. THERE IS NO FLOODPLAIN ON THIS SITE.
8. THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
9. TOTAL AREA WITHIN LOD = 61,349 SQ.FT.
10. WATERSHED = PATUXENT RIVER
11. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
12. CONTRACTOR TO MAINTAIN POSITIVE SLOPE AWAY FROM THE FOUNDATION OF THE HOUSE.
13. APFO ROAD TEST IS NOT REQUIRED FOR THIS DEVELOPMENT. THE HOWARD COUNTY ADEQUATE PUBLIC FACILITIES TRAFFIC REQUIREMENTS DO NOT NEED A TRAFFIC IMPACT ANALYSIS FOR ANY DEVELOPMENT GENERATING FEWER THAN 5 PEAK HOUR TRIPS.
14. TO THE BEST OF OUR INFORMATION, NO CEMETERY OR HISTORIC STRUCTURE EXIST ON THIS SITE.
15. NO NOISE STUDY IS REQUIRED FOR THIS PROJECT.
16. THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED UNDER SECTION 18.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT; NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENTS, HOWEVER FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT.
17. THE FLAGS FOR THE DELINEATED STREAM BANKS AND THE CENTERLINE OF THE INTERMITTENT STREAM ARE FIELD LOCATED BY NJR & ASSOCIATES, LLC AND ARE SHOWN ACCURATELY ON THIS PLAN.
18. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.

Required BAT Site Plan Notes

1. Any change to the locations or depths to any components must be approved by the engineer and the Howard County Health Department prior to installation. A revised site plan may be required.
2. The maximum depth of the BAT per the manufacturer's specification is 6 feet.
3. The blower may not be located 50 feet more than manufacturer's specifications.
4. The BAT system shall be maintained and operated for the life of the system.
5. The BAT shall be operated by and maintained by a certified service provider.
6. Within one month of installation, a person installing the BAT system shall report to the Maryland Department of the Environment (MDE) in a manner acceptable to MDE, the address and date of completion of the BAT installation and the type of BAT installed.
7. Electrical work for the BAT installation must be performed by a licensed electrician.
8. An Agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.
9. The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.
10. THE EXISTING WELL (TAG # H-20-0075 HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
11. ALL EXISTING WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN ON THIS PLAN.
12. THE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOCIATES PERFORMED ON JULY OF 2020.
13. THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
14. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
15. TRACER TAPE SHALL BE INSTALLED ALONG THE PROPOSED WATER TAP LINE AND THE SEPTIC LINE.
16. BOTH BAT AND PUMP TANKS MUST BE WATER TIGHT TESTED AT THE TIME OF INSTALLATION.
17. THE SAND MOUNT MUST BE STAKED AND A FIELD REVIEW CONDUCTED PRIOR TO THE BUILDING PERMIT APPROVAL.
18. THE BAT UNIT HAS BEEN APPROVED BY THE DESIGNATED AUTHORITY AS REQUIRED COMPONENT FOR THE OSDS IN LIEU OF THE REQUIRED 2ND REPLACEMENT DRAINFIELD.
19. THE WATER PIPE FROM THE WELL TO THE RESIDENCE MUST BE SLEEVED AS IT PASSES UNDER THE DRIVEWAY AND THE SLEEVE SHALL EXTEND TO TEN FEET ON EACH SIDE OF THE DRIVEWAY.
20. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA 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. RECONSTRUCTION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

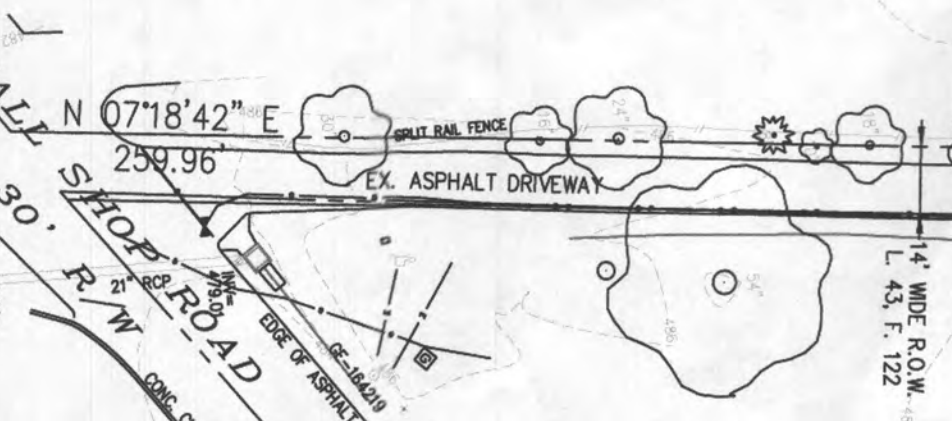
SITE ANALYSIS DATA CHART

TOTAL LOT AREA	= 7.3385 ACRES (319,665 SF.)
LOT AREA "PROP. TO BE DISTURBED"	= 1.408 ACRE (61,349 SF.)
TOTAL LOT IMPERVIOUS AREA PROPOSED	= 0.402 ACRE (17,522 SF.)
TOTAL PROPOSED GREEN AREA	= 6.936 ACRES (302,143 SF.)
SITE AREA WITHIN WETLAND	= 0 ACRE
SITE AREA WITHIN 25' WETLAND BUFFER	= 0 ACRE
SITE AREA OF STEEP SLOPES	= 0 ACRE
SITE AREA OF ERODIBLE SOILS	= 0 ACRE
SITE AREA WITHIN 100-YR FLOODPLAIN	= 0 ACRE
SITE AREA WITHIN 100' STREAM BUFFER	= 2.364 ACRE

SOIL DESCRIPTION CHART		
UNIT SYMBOL	UNIT NAME	HYDROLOGIC SOIL GROUP
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A
GnB	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C

LEGEND

EX. STREET SIGN	EX. WOOD POST	EX. GAS VALVE	EX. MAIL BOX	EX. UTILITY POLE	EX. GUY WIRE ANCHOR	EX. IRRIGATION VALVE	EX. GASLINE POST	EX. DECIDUOUS TREE	EX. DECORATIVE BUSH	PROP. SPOT ELEVATION	EX. CIRCUMFERENCE	PROP. CONTOUR	PROP. SUPER SILT FENCE	PROP. SILT FENCE	PROP. CLEAN WATER DIVERSION FENCE	PROP. LIMIT OF DISTURBANCE	EX. DENOTES (BUILDING RESTRICTION LINE)	PROP. STABILIZED CONSTRUCTION ENTRANCE	EX. SEWAGE DISPOSAL AREA	EX. WELL RESERVE BOX	PROP. NOI-ROOFTOP DISCONNECT	PROP. FOREST CONSERVATION EASEMENT	EX. SOILTYPE BOARDER	PROP. DRAINAGE AREA LIMIT	PROP. SURFACE FLOW DIRECTION	EXISTING EDGE OF WOODS	PROPOSED EDGE OF WOODS	EXISTING STREAM LINE	PASSED INFILTRATION TEST	FAILED INFILTRATION TEST	FAILED PERCOLATION TEST
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MISS UTILITY
CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

APPROVED SEPTIC SYSTEM PLAN HOWARD COUNTY HEALTH DEPARTMENT

SIGNATURE _____ DATE _____

PLAN PREPARED BY:

NJR & ASSOCIATES
Land Surveying and Planning

2770 TERRAPIN RUN
WEST FRIENDSHIP, MD 21794
TEL: (240) 608-3200
Email: ROSHANJ@AOL.COM



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2025.

JULY 18, 2023
DATE

DEVELOPER
CARUSO HOMES
2120 BALDWIN AVENUE
SIE 200
CROFTON, MD 21114
(301) 261-0277

OWNER
RICARDO PALACIOS
1808 GREENWICH WOOD DRIVE
SILVER SPRING, MD 20910
(304) 292-9876

ONSITE SEWAGE DISPOSAL PLAN FOR A BAT AND SAND MOUND SYSTEM

PARCEL 274
TAX MAP 40, GRID 6
LIBER 20690, FOLIO 201
12370 HALL SHOP ROAD, HIGHLAND, MARYLAND 20777
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

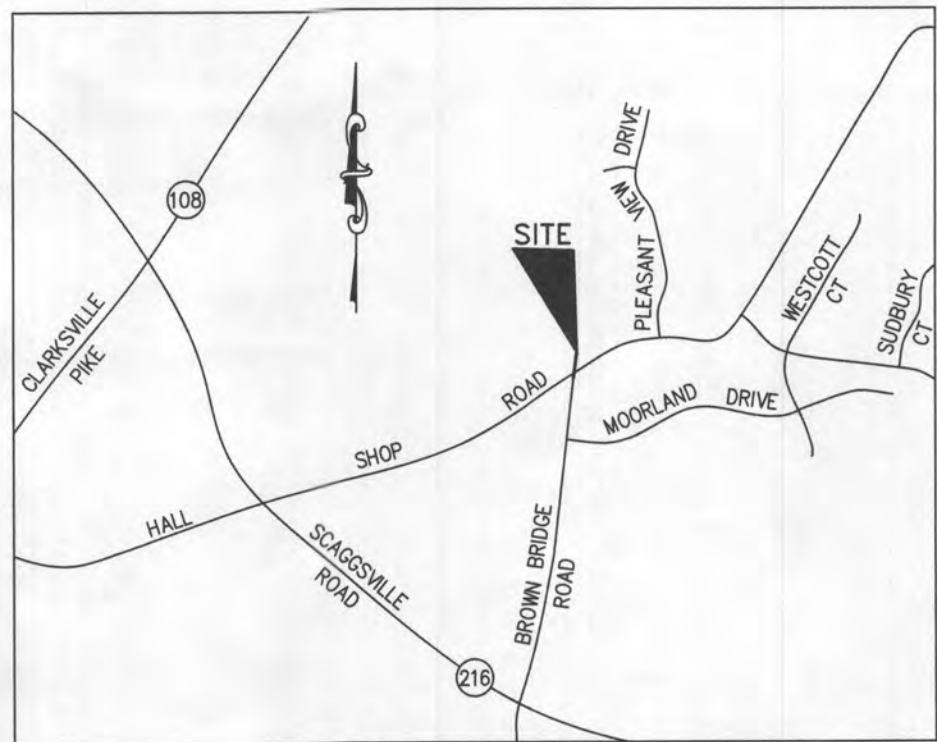
SCALE: 1" = 40' JOB NO.: 3560 DATE: FEB. 10, 2021 SHEET: 1 OF 2

ONSITE SEWAGE DISPOSAL PLAN
FOR A BAT AND SAND MOUND SYSTEM

PARCEL 274
TAX MAP 40, GRID 6
LIBER 20690, FOLIO 201

12370 HALL SHOP ROAD, HIGHLAND, MARYLAND 20777
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 40' JOB NO.: 3550 DATE: FEB. 10, 2021



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP PAGE 31, D-6

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6. THE PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY NJR & ASSOCIATES IN JULY OF 2020.
7. THERE IS NO FLOODPLAIN ON THIS SITE.
8. THERE IS A STREAM AND A 100 FOOT STREAM BANK BUFFER ON SITE AS SHOWN.
9. THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
10. TOTAL AREA WITHIN LOD = 61,349 SQ.FT.
11. WATERSHED = PATUXENT RIVER.
12. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 ATLEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
13. CONTRACTOR TO MAINTAIN POSITIVE SLOPE AWAY FROM THE FOUNDATION OF THE HOUSE.
14. APPO ROAD TEST IS NOT REQUIRED FOR THIS DEVELOPMENT. THE HOWARD COUNTY ADEQUATE PUBLIC FACILITIES TRAFFIC REQUIREMENTS DO NOT NEED A TRAFFIC IMPACT ANALYSIS FOR ANY DEVELOPMENT GENERATING FEWER THAN 5 PEAK HOUR TRIPS.
15. TO THE BEST OF OUR INFORMATION, NO CEMETERY OR HISTORIC STRUCTURE EXIST ON THIS SITE.
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19. THE WATER PIPE FROM THE WELL TO THE RESIDENCE MUST BE SLEEVED AS IT PASSES UNDER THE DRIVEWAY AND THE SLEEVE SHALL EXTEND TO TEN FEET ON EACH SIDE OF THE DRIVEWAY.
20. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDED OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

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SOIL DESCRIPTION CHART		
UNIT SYMBOL	UNIT NAME	HYDROLOGIC SOIL GROUP
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A
GnB	GLENNVILLE-BALIE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C

LEGEND

	EX. STREET SIGN
	EX. WOOD POST
	EX. GAS VALVE
	EX. MAIL BOX
	EX. UTILITY POLE
	EX. GUY WIRE ANCHOR
	EX. IRRIGATION VALVE
	EX. GAS LINE POST
	EX. DECIDUOUS TREE
	EX. DECORATIVE BUSH
	PROP. SPOT ELEVATION
	EX. CONTOUR
	PROP. CONTOUR
	PROP. SUPER SILT FENCE
	PROP. SILT FENCE
	PROP. CLEAN WATER DIVERSION FENCE
	PROP. LIMIT OF DISTURBANCE
	DENOTES (BUILDING RESTRICTION LINE)
	PROP. STABILIZED CONSTRUCTION ENTRANCE
	EX. SEWAGE DISPOSAL AREA
	EX. WELL RESERVE BOX
	PROP. NON-ROOFTOP DISCONNECT
	PROP. FOREST CONSERVATION EASEMENT
	EX. SOIL TYPE BORDER
	PROP. DRAINAGE AREA LIMIT
	PROP. SURFACE FLOW DIRECTION
	EXISTING EDGE OF WOODS
	PROPOSED EDGE OF WOODS
	EXISTING STREAM LINE
	PASSED INFILTRATOR TEST
	FAILED INFILTRATOR TEST
	FAILED PERCOLATION TEST

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APPROVED SEPTIC SYSTEM PLAN HOWARD COUNTY HEALTH DEPARTMENT

SIGNATURE

DATE

PLAN PREPARED BY:

NJR & ASSOCIATES

Land Surveying and Planning

2770 TERRAPIN RUN
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200
Email: ROSHANNJ@AOL.COM



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2023.

APRIL 5, 2022
DATE

DEVELOPER:
CARUSO HOMES
2120 BALDWIN AVENUE,
Ste 200
CROFTON, MD 21114
(301) 261-0277

OWNER:
RICARDO PALAIOS
1808 GREENWICH WOOD DRIVE
SILVER SPRING, MD 20903
(304) 292-9676

ONSITE SEWAGE DISPOSAL PLAN FOR A BAT AND SAND MOUND SYSTEM

PARCEL 274

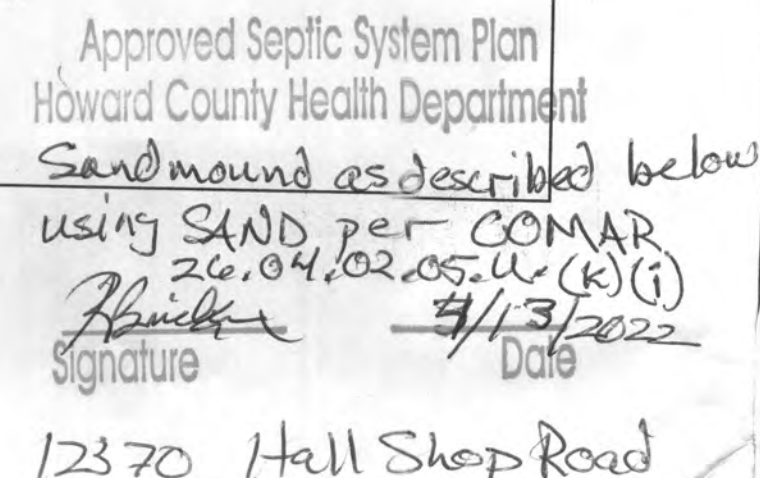
TAX MAP 40, GRID 6
LIBER 20690, FOLIO 201
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5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

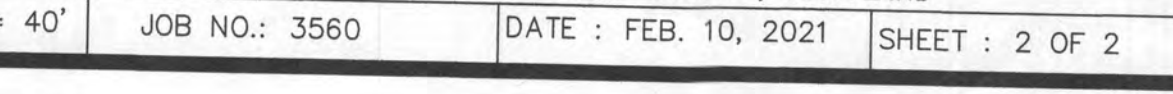
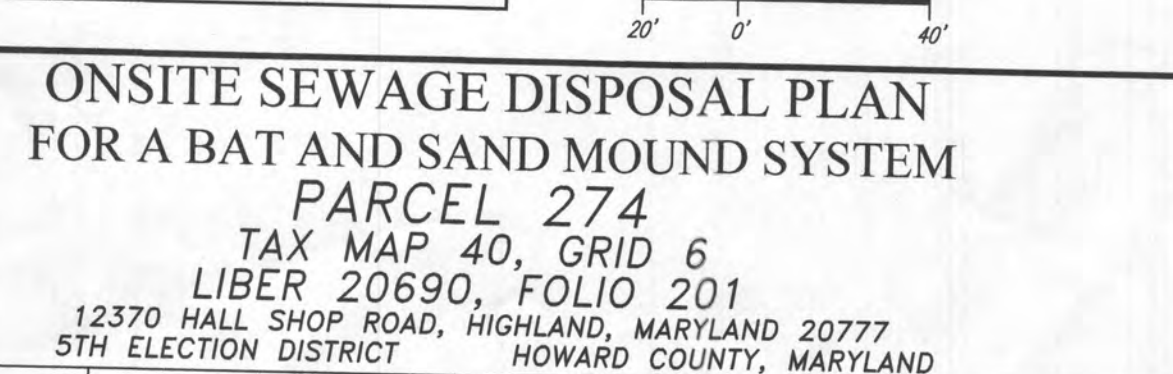
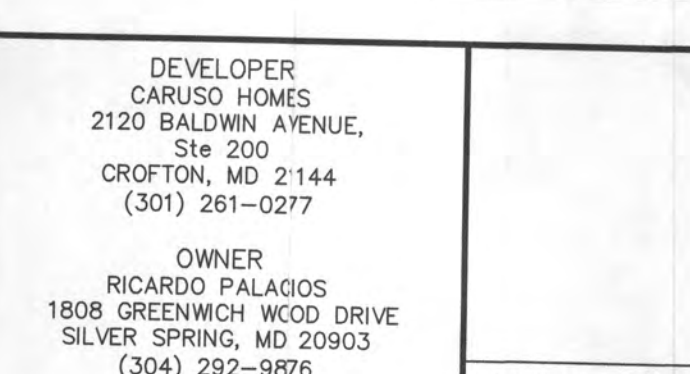
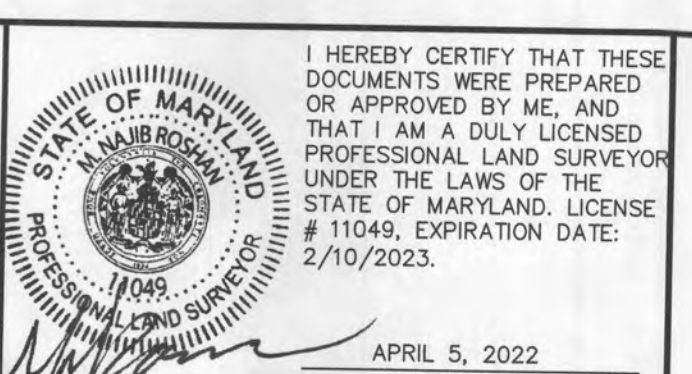
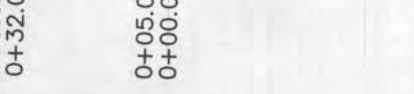
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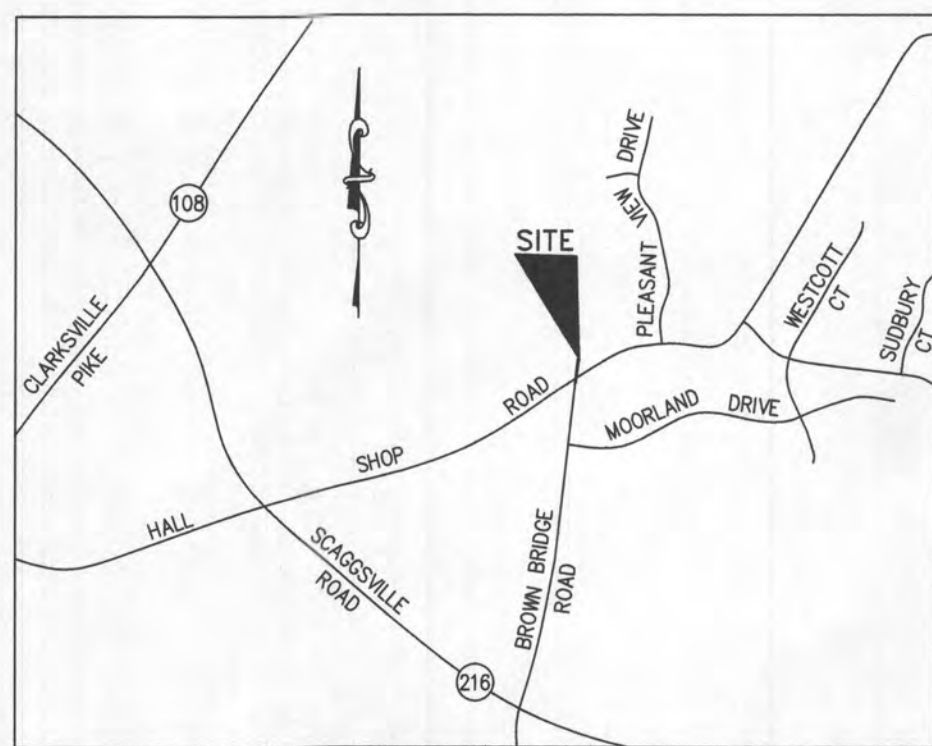
JOB NO.: 3560

DATE: FEB. 10, 2021

SHEET: 1 OF 2







VICINITY MAP
SCALE: 1" = 2000'
ADC MAP PAGE 31, D-6

- NOTES:
- 1- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 2- THE ON SITE TOPOGRAPHY SHOWN ON THIS PLAT IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOC. PERFORMED ON OCTOBER 1, 2019.
 - 3- ALL EXISTING WELLS WITHIN 100 FOOT OF THIS SITE AS SHOWN HEREON ARE FIELD LOCATED.
 - 4- ALL EXISTING SEPTIC FIELDS WITHIN 100 FOOT OF THIS SITE AS SHOWN HEREON ARE SCALED FROM AVAILABLE EXISTING PLANS.
 - 5- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
 - 6- ANY PIPE UNDERNEATH A DRIVEWAY MUST BE CONSTRUCTED OF SCH 40 PVC OR EQUIVALENT AND THE CONVEYANCE PIPE MUST BE SLEEVED.
 - 7- PRIOR TO THE HEALTH DEPARTMENT SIGNATURE OF THE BUILDING PERMIT, THE WELL MUST BE DRILLED AND THE COMPLETION REPORT APPROVED BY THE HEALTH DEPARTMENT.
 - 8- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - 9- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR SAND MOUNDS (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.
 - 10- THIS PERCOLATION CERTIFICATION PLAN IS SUBMITTED FOR APPROVAL OF AN INITIAL ONSITE SEWAGE DISPOSAL SYSTEM (OSDS) AND ONE REPAIR OSDS. AS COUNTY CODE REQUIRES 2 REPAIR OSDS, THIS PLAN PROPOSES THAT A BAT UNIT IS INCLUDED IN THE OSDS IN LIEU OF THE 2ND REPAIR OSDS THEREBY FULFILLING THE REQUIREMENT FOR THE WAIVER TO BE GRANTED. APPROVAL OF THIS PERCOLATION CERTIFICATION PLAN EFFECTIVELY GRANTS THE WAIVER.
 - 11- THE SAND MOUNDS PROPOSED ON THIS PLAN ARE DESIGNED TO USE SAND COMPLIANT WITH CODE OF MARYLAND ANNOTATED REGULATION (COMAR) 26.04.02.05.U(4)(v)(i). THIS STOCKPILE OF SAND DELIVERED TO THE SITE MUST BE SAMPLED AND THE ANALYSES MUST INDICATE THAT THE DELIVERED SAND HAS AN EFFECTIVE SIZE BETWEEN 0.25 mm AND 0.5 mm, AND A UNIFORMITY COEFFICIENT OF 3.5 OR LESS. SAND THAT DOES NOT MEET THESE PHYSICAL REQUIREMENTS SHALL BE REMOVED FROM THE SITE IMMEDIATELY.

DEVELOPER
CARUSO HOMES
2120 BALDWIN AVENUE,
Ste 200
CROFTON, MD 21144
(301) 281-0277

OWNER
THOMAS FRANKLIN PUE
158 DOYLE STREET
MORGANTOWN, WV 26505
(304) 292-9876

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT: 1/32/21
DATE: 1/32/21

SOIL DESCRIPTION CHART		
UNIT SYMBOL	UNIT NAME	HYDROLOGIC SOIL GROUP
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A
GnB	GLENNVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B

EQUATIONS FOR CALCULATING SAND MOUND DIMENSIONS

DESIGN FLOW FOR 5 BEDROOM HOUSE = 5 X 150 gpd = 750 gpd

ABSORPTION BED (A X B) = $\frac{750}{1.2 \text{ GPD / FT.}}$ = 625 SQ.FT. (MIN), 650 SQ. FT. (USED)

BED LENGTH (B) = 75.0 FT. (42' TO 104' DEPENDENT ON SITE)

BED WIDTH (A) = $\frac{650}{75}$ = 8.67 FT.

LINEAR LOADING RATE = $\frac{\text{DESIGN FLOW}}{\text{BED LENGTH}}$ = $\frac{750}{75}$ = 10 (MUST BE 10 OR LESS)

UPSLOPE SAND FILL DEPTH (D) = 48 IN. - Z = 12 IN. (12 IN. MIN.)

DOWNSLOPE SAND FILL DEPTH (E) = (12 (8.67 X 7.0% SLOPE) + 12 IN. = 19.3 IN.

CAP + TOPSOIL AT BED CENTER (H) = 18 IN.

CAP + TOPSOIL AT BED EDGE (G) = 12 IN.

TOTAL BED DEPTH (F) = 10 IN.

SIDESLOPE SETBACK (K) = $(12 + 20.4 + 28 \text{ IN.}) \times 3$ = 132.6 IN. (11.05')

UPSLOPE SETBACK (J) = $(22 \text{ IN.} + 12) \times 3 \times 0.83$ (UPSLOPE CORR. FACTOR) = 84.7 IN. (7.05')

DOWNSLOPE SETBACK (I) = $(22 \text{ IN.} + 19.3) \times 3 \times 1.27$ (DOWNSLOPE CORR. FACTOR) = 157.4 IN. (13.11')

TOTAL WIDTH OF MOUND (W) = 8.67 + 7.05 + 13.11 = 28.83'

TOTAL LENGTH OF MOUND (L) = 75 + 11.05 + 11.05 = 97.1'

BASAL AREA REQUIRED = $750 / 1.2$ = 625 SQ. FT.

BASAL AREA PROVIDED = $(8.67 + 13.11) \times 75$ = 1,633 SQ. FT.

LEGEND

- POWER POLE
- GUY WIRE ANCHOR
- SIGN
- MAIL BOX
- WOOD POST
- IRRIGATION VALVE
- GAS VALVE
- GAS LINE MARKER
- POISON GAS MANHOLE
- DECIDUOUS TREE
- DECORATIVE BUSH

- SEWAGE DISPOSAL AREA
- SEWAGE INFILTRATION AREA
- WELL RESERVE BOX

SOIL TYPE BOARDER

- FAILED PERCOLATION TEST
- FAILED INFILTRMETER TEST
- PASSED INFILTRMETER TEST
- EXISTING WELL

PARCEL 257
SELLERS ELLEN
L.15523, F.225
12408 HALL SHOP ROAD

PARCEL 165
CHESAPEAKE CONFERENCE ASSOCIATION
OF SEVEN-DAY ADVENTISTS
L.10142, F.1
12350 HALL SHOP ROAD

PARCEL 274
PUE THOMAS FRANKLIN
L.11905, F.107
7.7400 AC.
12370 HALL SHOP ROAD

PARCEL 285
LOMBARDOZZI STEVE
L.5731, F.241
12404 HALL SHOP ROAD

PARCEL 205
PFAU MICHAEL
L.18938, F.170
12402 STELLA DRIVE

GRAPHIC SCALE 1"=40'

REVISIONS



DATE: MARCH 17, 2020
JOB NUMBER: 3560
FILE NUMBER: 3560-SEPTIC
PLOTTED: MARCH 18, 2020
DRAWN BY: WR
SCALE: 1" = 40'

PLAN PREPARED BY:

NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200

PERCOLATION CERTIFICATION PLAN

PARCEL 274
TAX MAP 40, GRID 6
LIBER 11905, FOLIO 107
12370 HALL SHOP ROAD, HIGHLAND, MARYLAND 20777
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

MISS UTILITY

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.