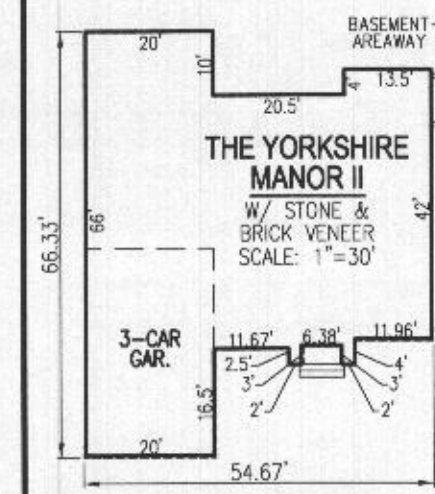
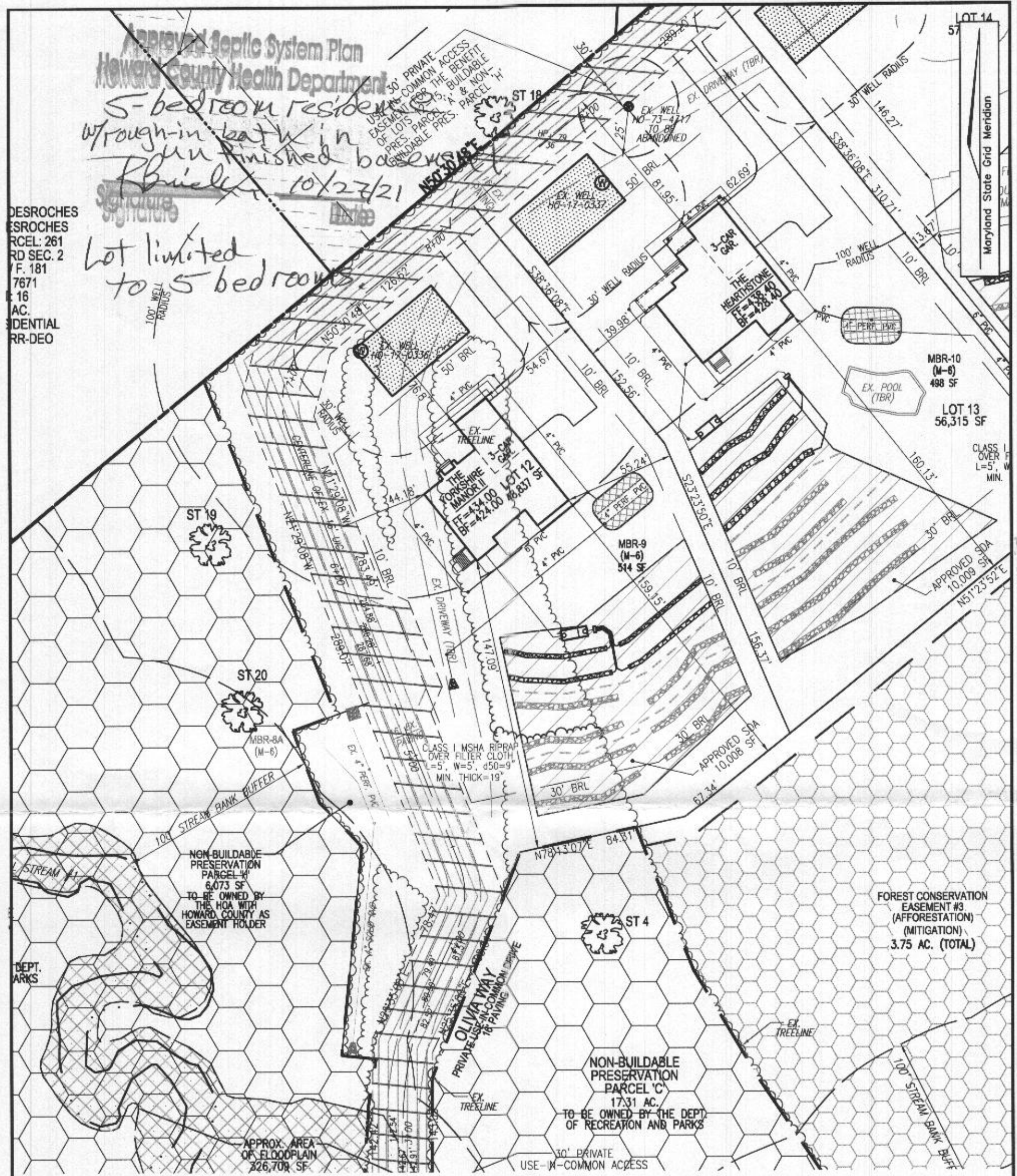


Approved Septic System Plan  
 Howard County Health Department

5-bedroom residence  
 w/rough-in bath in  
 finished basement  
 10/27/21

Lot limited  
 to 5 bedrooms

DESROCHES  
 ESROCHES  
 RCEL: 261  
 RD SEC. 2  
 F. 181  
 7671  
 16  
 AC.  
 IDENTIAL  
 RR-DEO



**SITE PLAN**  
 SCALE: 1"=50'  
 SCALE 1"=50'

**REVISED**  
 Date: 9/20/2021  
 Comments: B19-3295

SCALE 1"=30'

**OWNER**  
 ESTATES AT RIVER HILL, LLC  
 MICHAEL PFAU, MEMBER  
 3675 PARK AVENUE, SUITE 301  
 ELLICOTT CITY, MD 21043  
 (410) 480-0023

**DEVELOPER**  
 TRINITY HOMES MARY LAND, LLC  
 3675 PARK AVENUE, SUITE 301  
 ELLICOTT CITY, MD 21043  
 (410) 480-0023

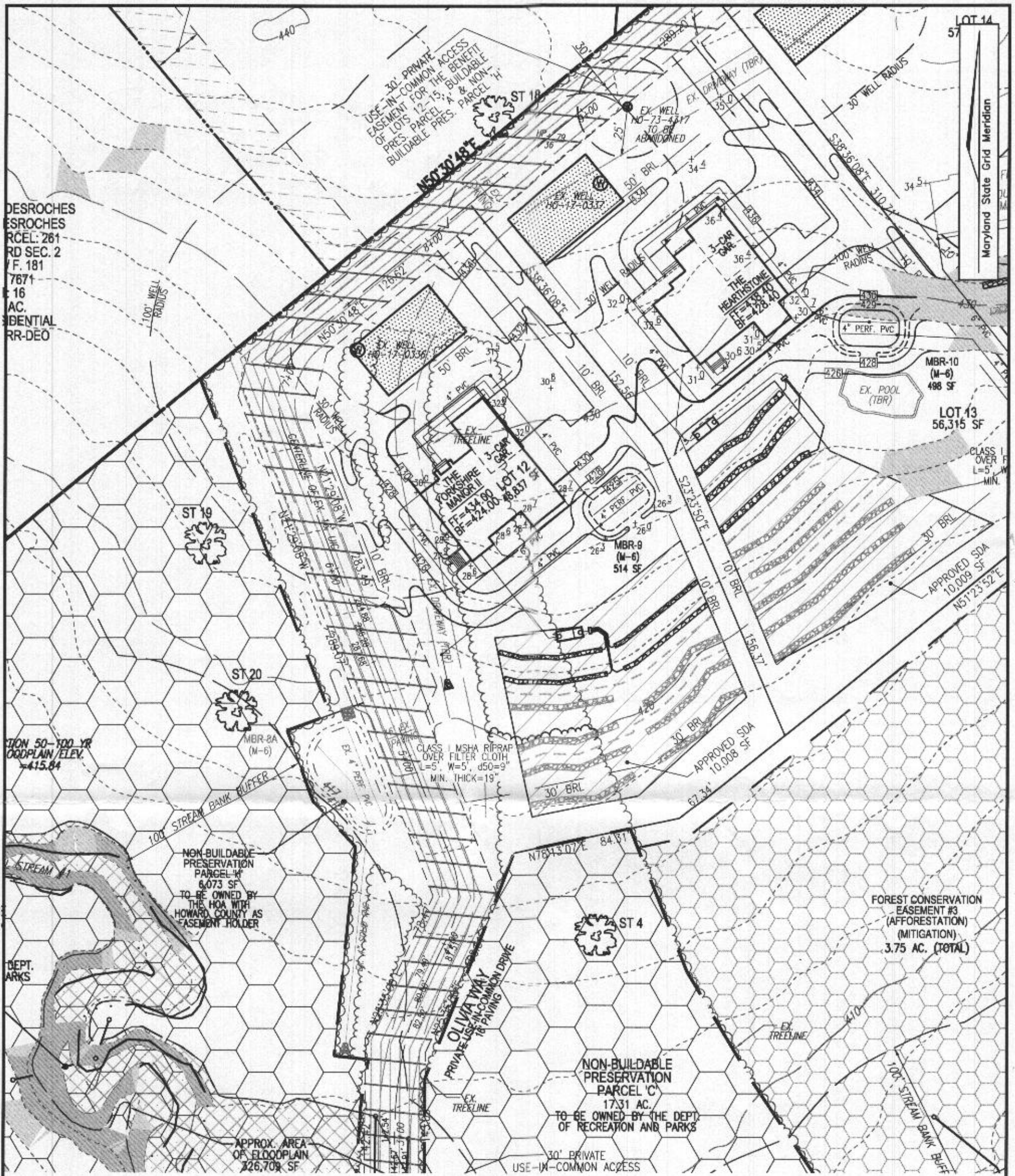
**VOGEL ENGINEERING**  
  
**TIMMONS GROUP**  
 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043  
 P: 410.461.7666 F: 410.461.8961 www.timmons.com

SCALE AS SHOWN  
 DRAWN BY JMR  
 CHECKED BY RHV  
 DATE AUGUST 03, 2021  
 W. O. # 15-39  
 SHEET# 1 OF 4

**PLOT PLAN**  
**THE ESTATES AT RIVER HILL - LOT 12**  
 13600 OLIVIA WAY  
 HIGHLAND, MD 20777

5TH ELECTION DISTRICT  
 TAX MAP: 34 PARCEL: 389  
 DPZ REF'S: ECP:16-064, WP-17-034,  
 WP-17-128, SP-17-007, F-18-064

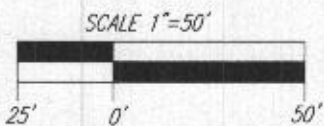
BLOCK: 23  
 ZONED: RR-DEO  
 HOWARD COUNTY, MARYLAND



**GRADING PLAN**

SCALE: 1"=50'

*Approved  
5-bed room residence;  
5-bed room lot limitation  
B19003295  
Pike  
10/27/21*



**OWNER**

ESTATES AT RIVER HILL, LLC  
MICHAEL PFAU, MEMBER  
3675 PARK AVENUE, SUITE 301  
ELLCOTT CITY, MD 21043  
(410) 480-0023

**DEVELOPER**

TRINITY HOMES MARY LAND, LLC  
3675 PARK AVENUE, SUITE 301  
ELLCOTT CITY, MD 21043  
(410) 480-0023

SCALE AS SHOWN  
DRAWN BY JMR  
CHECKED BY RHV  
DATE AUGUST 03, 2021  
W. O. # 15-39  
SHEET# 2 OF 4

5TH ELECTION DISTRICT  
TAX MAP: 34 PARCEL: 389  
DPZ REF'S: ECP-16-064, WP-17-034,  
WP-17-128, SP-17-007, F-18-064

**PLOT PLAN**  
**THE ESTATES AT RIVER HILL - LOT 12**

13600 OLIVIA WAY  
HIGHLAND, MD 20777

BLOCK: 23  
ZONED: RR-DEO  
HOWARD COUNTY, MARYLAND

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil [2' to 4' deep]	loamy sand (60 - 65%) & compost (35 - 40%) or sandy loam (30%), coarse sand (30%) & compost (40%)	n/a	USDA soil types loamy sand or sandy loam; clay content < 5%
Organic content	Min. 10% by dry weight (ASTM D 2974)		
Mulch	shredded hardwood		aged 6 months, minimum; no pine or wood chips
Pea gravel diaphragm	pea gravel: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
Curtain drain	ornamental stone: washed cobbles	stone: 2" to 5"	
Geotextile		n/a	PE Type I nonwoven
Gravel (underdrains and infiltration berms)	AASHTO M-43	NO. 57 OR NO. 6 AGGREGATE (3/8" to 3/4")	
Underdrain piping	F 758, Type PS 28 or AASHTO M-278	4" to 6" rigid schedule 40 PVC or SDR35	Slotted or perforated pipe; 3/8" perf. @ 6" on center, 4 holes per row; minimum of 3" of gravel over pipes; not necessary underneath pipes. Perforated pipe shall be wrapped with 1/4-inch galvanized hardware cloth
Poured in place concrete (if required)	MSHA Mix No. 3; $f_c = 3500$ psi @ 28 days, normal weight, air-entrained; reinforcing to meet ASTM-615-60	n/a	on-site testing of poured-in-place concrete required: 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) <i>not using previously approved State or local standards</i> requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 350.R/89; vertical loading [H-10 or H-20]; allowable horizontal loading (based on soil pressures); and analysis of potential cracking
Sand	AASHTO-M-6 or ASTM-C-33	0.02" to 0.04"	Sand substitutions such as Diabase and Graystone (AASHTO) #10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

**OPERATION AND MAINTENANCE SCHEDULE FOR (M-6) MICROBIORETENTION AREAS**




1. ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOL. II, TABLE A.4.1 AND 2.
2. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRES.
3. MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS.
4. SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

**MICROBIORETENTION NOTES:**

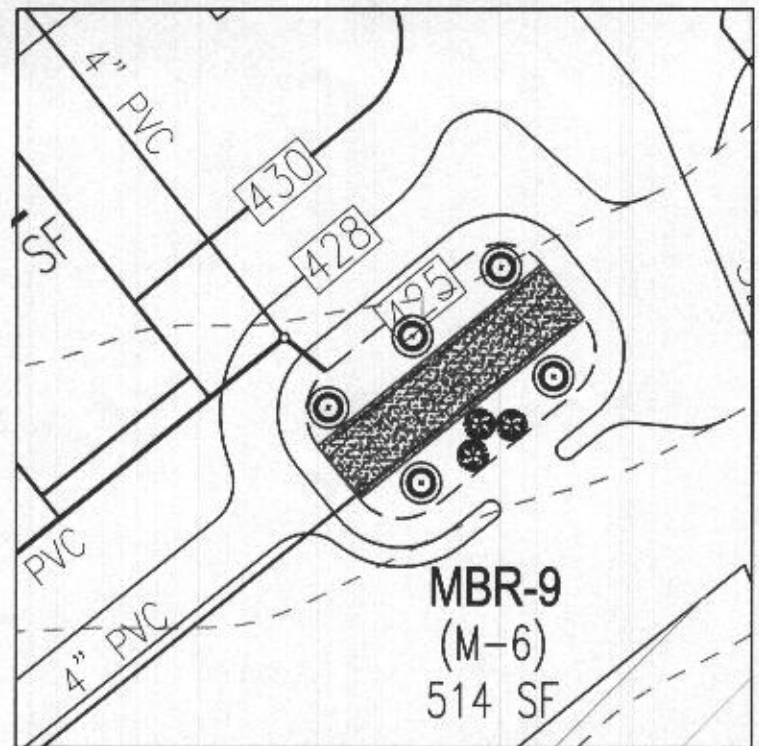
1. ONLY THE SIDES OF MICROBIORETENTION ARE TO BE WRAPPED IN FILTER FABRIC. FILTER FABRIC BETWEEN LAYER OR AT THE BOTTOM OF THE MICROBIORETENTION WILL CAUSE THE MBR TO FAIL, AND THEREFORE SHALL NOT BE INSTALLED.
2. WRAP THE PERFORATED MBR UNDERDRAIN PIPE WITH 1/4" MESH (4x4) OR SMALLER GALVANIZED HARDWARE CLOTH.
3. PROVIDE 5' MINIMUM SPACING BETWEEN UNDER DRAIN AND PERFORATED PIPE THROUGH STONE RESERVOIR OR SPACE PIPE EQUALLY ACROSS BOTTOM FOR SMALL BIOS. (SEE PLANS)

**"MICRO-BIORETENTION" PLANTING SCHEDULE NOTES:**

1. ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH HOWARD COUNTY PLANTING SPECIFICATIONS.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
3. FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES.
4. CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. IF PLAN DIFFERS FROM LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.
5. MICROBIORETENTION AREAS ARE TO BE PLANTED BASED ON A MINIMUM DENSITY OF 1000 STEMS PER PLANTED ACRE (.0229 STEMS PER SQUARE FOOT). ABOVE PLANTING RATIOS ARE TO BE APPLIED TO THE AREAS PROVIDED IN THE ESDv SUMMARY.
6. FILTER AREA SHALL BE 50% COVERED BY PLANTINGS AT FULL GROWTH

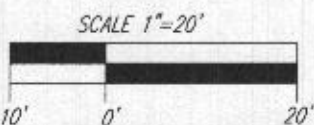
KEY	QTY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
	5	LINDERA BENZOIN SPICEBUSH	3 GALLON	CONT
	3	ILEX GLABRA INKBERRY	3 GALLON	CONT
	200 SF	LOBELIA CARDINALIS CARDINAL FLOWER	2" POT	1" O.C.

1. SF x 0.0229 STEMS PER SQUARE FOOT = PLANTS REQUIRED
2. PLANTINGS REQUIRED: 7
3. (50 SF) CARDINAL FLOWER = 1 PLANTING UNIT



**MBR-9 PLANTING DETAIL (514 SF)**

SCALE: 1"=20'



**OWNER**

ESTATES AT RIVER HILL, LLC  
MICHAEL PFAU, MEMBER  
3675 PARK AVENUE, SUITE 301  
ELLCOTT CITY, MD 21043  
(410) 480-0023

**DEVELOPER**

TRINITY HOMES MARYLAND, LLC  
3675 PARK AVENUE, SUITE 301  
ELLCOTT CITY, MD 21043  
(410) 480-0023

**PLOT PLAN**

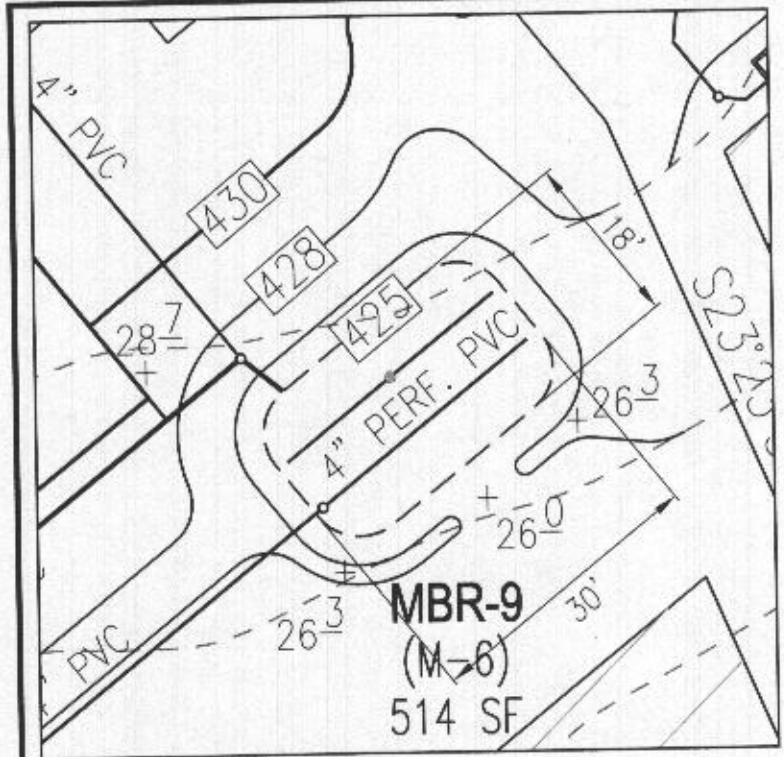
**THE ESTATES AT RIVER HILL - LOT 12**

13600 OLIVIA WAY  
HIGHLAND, MD 20777

SCALE AS SHOWN  
DRAWN BY JMR  
CHECKED BY RHV  
DATE AUGUST 03, 2021  
W. O. # 15-39  
SHEET# 3 OF 4

5TH ELECTION DISTRICT  
TAX MAP: 34 PARCEL: 389  
DPZ REF'S: ECP-16-064, WP-17-034,  
WP-17-128, SP-17-007, F-18-064

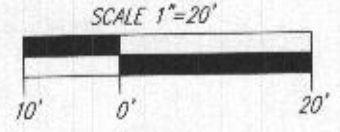
BLOCK: 23  
ZONED: RR-DEO  
HOWARD COUNTY, MARYLAND



SPILL WAY ELEVATION = 426.00

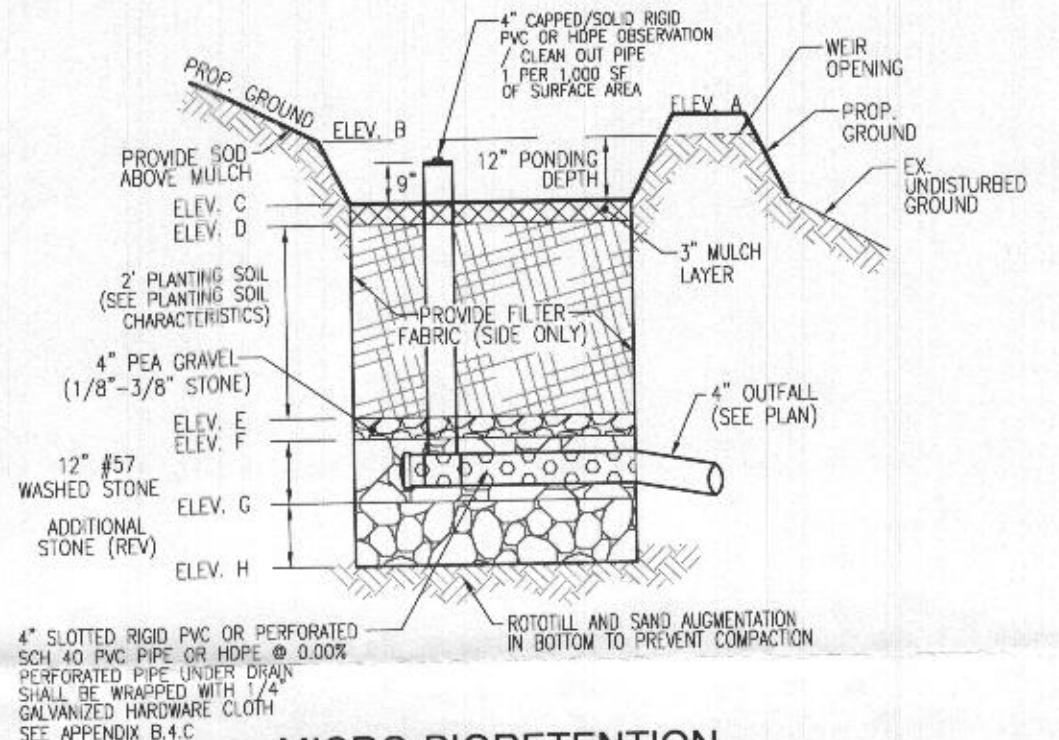
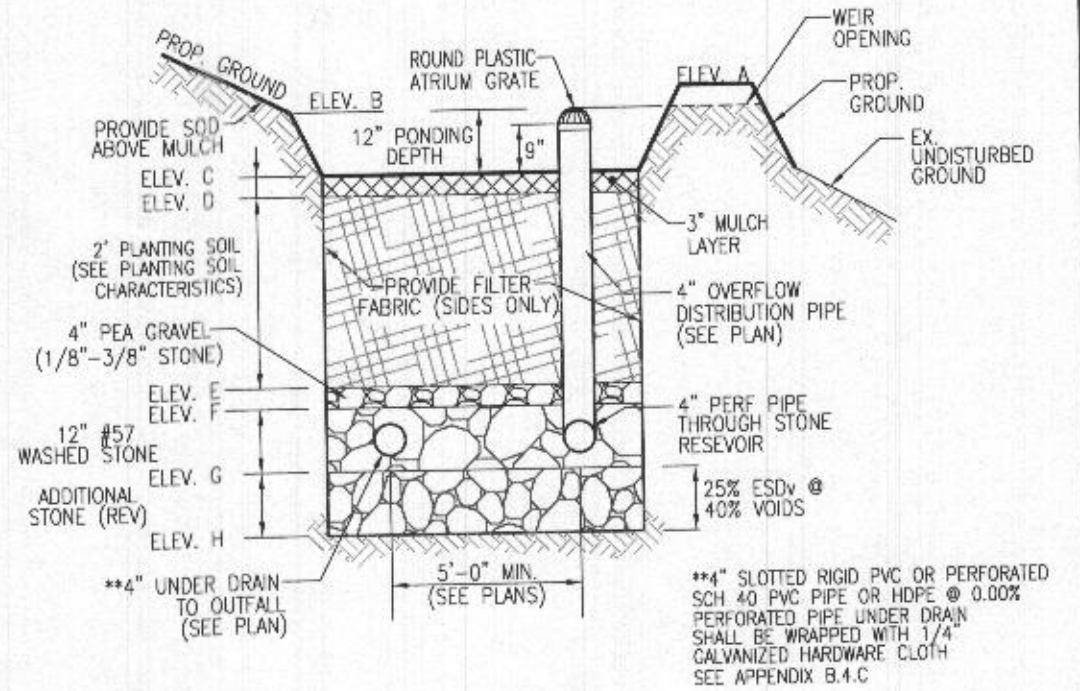
**MBR-9 DESIGN DETAIL (514 SF)**

SCALE: 1"=20'



**MBR-9**

D.A.=9,320 SF IMP=4,826 I=52  
 $R_v=0.05+(0.009)(52)=.52$   
 $ESD_v=(9,320)(1.58)(0.52)/12=638$  CF  
 AREA ABOVE MULCH=(638 CF)(0.75)=479 SF  
**PROVIDED 514 SF**



**MICRO-BIORETENTION**  
 W/ WEIR OUTFALL  
 NOT TO SCALE

MICRO-BIORETENTION FACILITY ELEVATIONS (M-6)													
LOT #	FACILITY	A	B	C	D	E	F	G	H	WEIR ELEV.	UNDERDRAIN INV. OUT	OUTFALL INV.	FACILITY SIZE
LOT 12	MBR-9	426.30	426.00	425.00	424.75	422.75	422.42	421.42	420.59	426.00	421.75	421.00	514 SF

**OWNER**  
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 MICHAEL PFAU, MEMBER  
 3675 PARK AVENUE, SUITE 301  
 ELLICOTT CITY, MD 21043  
 (410) 480-0023

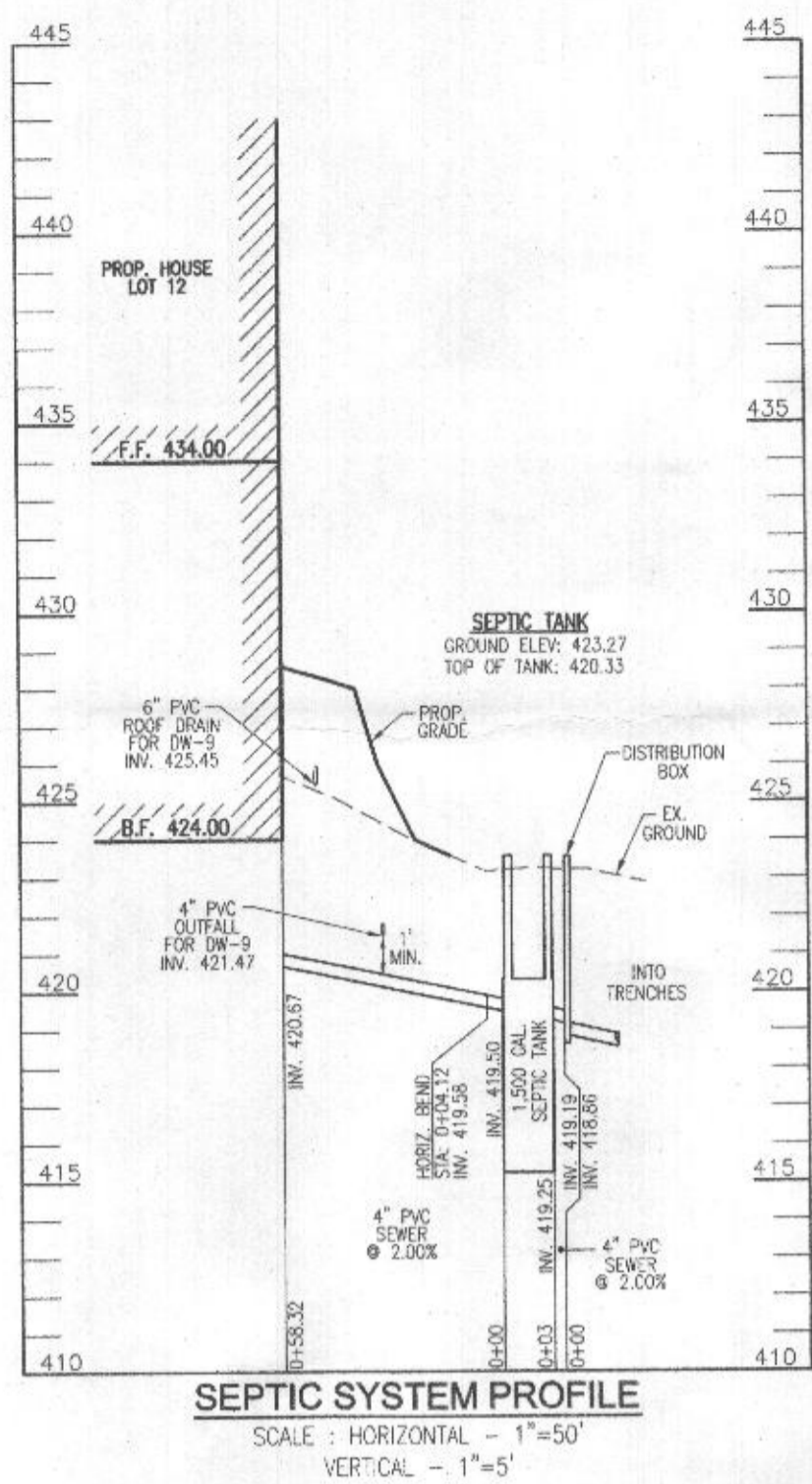
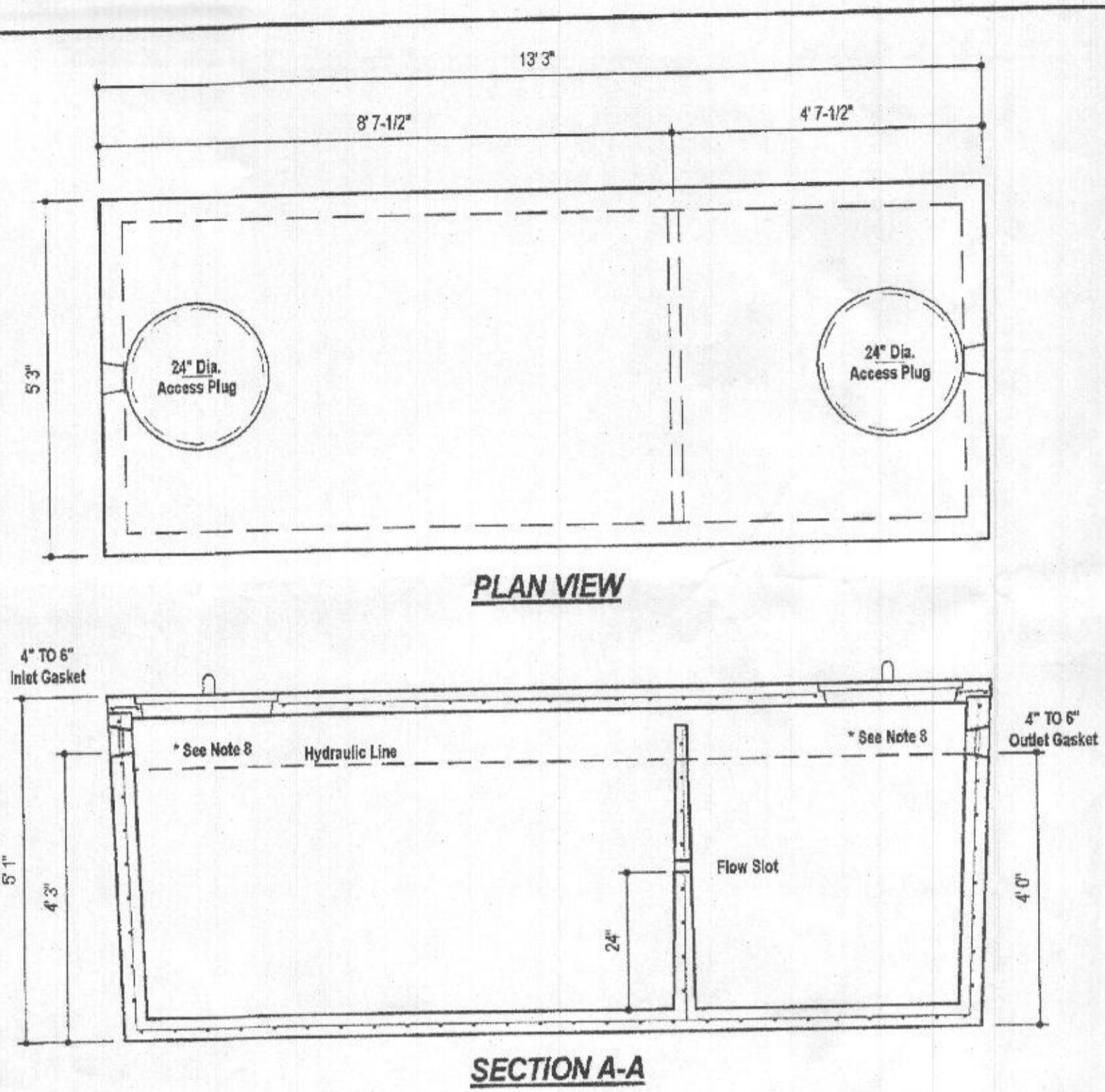
**DEVELOPER**  
 TRINITY HOMES MARY LAND, LLC  
 3675 PARK AVENUE, SUITE 301  
 ELLICOTT CITY, MD 21043  
 (410) 480-0023

**PLOT PLAN**  
**THE ESTATES AT RIVER HILL - LOT 12**  
 13600 OLIVIA WAY  
 HIGHLAND, MD 20777

SCALE AS SHOWN  
 DRAWN BY JMR  
 CHECKED BY RHV  
 DATE AUGUST 03, 2021  
 W. O. # 15-39  
 SHEET# 4 OF 4

5TH ELECTION DISTRICT  
 TAX MAP: 34 PARCEL: 389  
 DPZ REF'S: ECP:16-064, WP-17-034,  
 WP-17-128, SP-17-007, F-18-064

BLOCK: 23  
 ZONED: RR-DEO  
 HOWARD COUNTY, MARYLAND



Approved Septic System Plan  
 Howard County Health Department  
 1500-gallon Septic Tank  
 to Gravity Distribution  
 for 5-bedroom residence  
 F. Buick 10/27/21  
 Signature Date

**DESIGN DATA & GENERAL NOTES**

- [1] Concrete strength  $f_c=4,000$  p.s.i. @ 28 days. Density = 150 pcf.
- [2] Cement - Portland Type III per ASTM C 150-92.
- [3] Admixtures & plasticizers per ASTM C 260-98 & C 494-92.
- [4] Reinforcing per ASTM A186, Min. 1-1/2" cover.
- [5] Top slab sealed with butyl rope mastic.
- [6] 4" wall, base, & top thickness.
- [7] Max 3-1/2" of cover.
- [8] Depending on use of tank, inlet & outlet baffles may be required by code.

WEIGHT = 16,750 lbs.

**MBI**  
 Mayer Bros., Inc.  
 6284 Race Road  
 Ellicott City, Maryland 21075  
 Tel. 410.796.1434  
 Fax. 410.796.1438  
 www.mayerbroscast.com

<b>1,500 GALLON TANK (Non-Traffic) 2-Compartment</b>		
Stock Item		
Dwg. No. 1500-2C	No Scale	Aug. 11, 2008


**OWNER**  
 ESTATES AT RIVER HILL, LLC  
 MICHAEL P. PFAU, MEMBER  
 3675 PARK AVE., SUITE 301  
 ELLICOTT CITY, MD 21043  
 (410) 480-0023

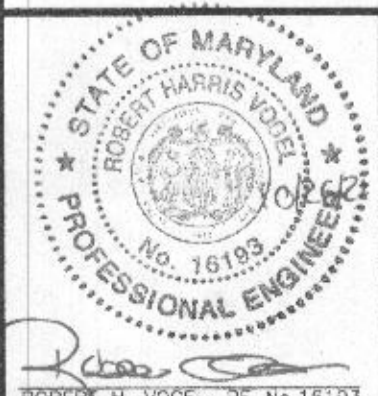
**DEVELOPER**  
 TRINITY HOMES MARYLAND, LLC  
 3875 PARK AVE., SUITE 301  
 ELLICOTT CITY, MD 21043  
 (410) 480-0023

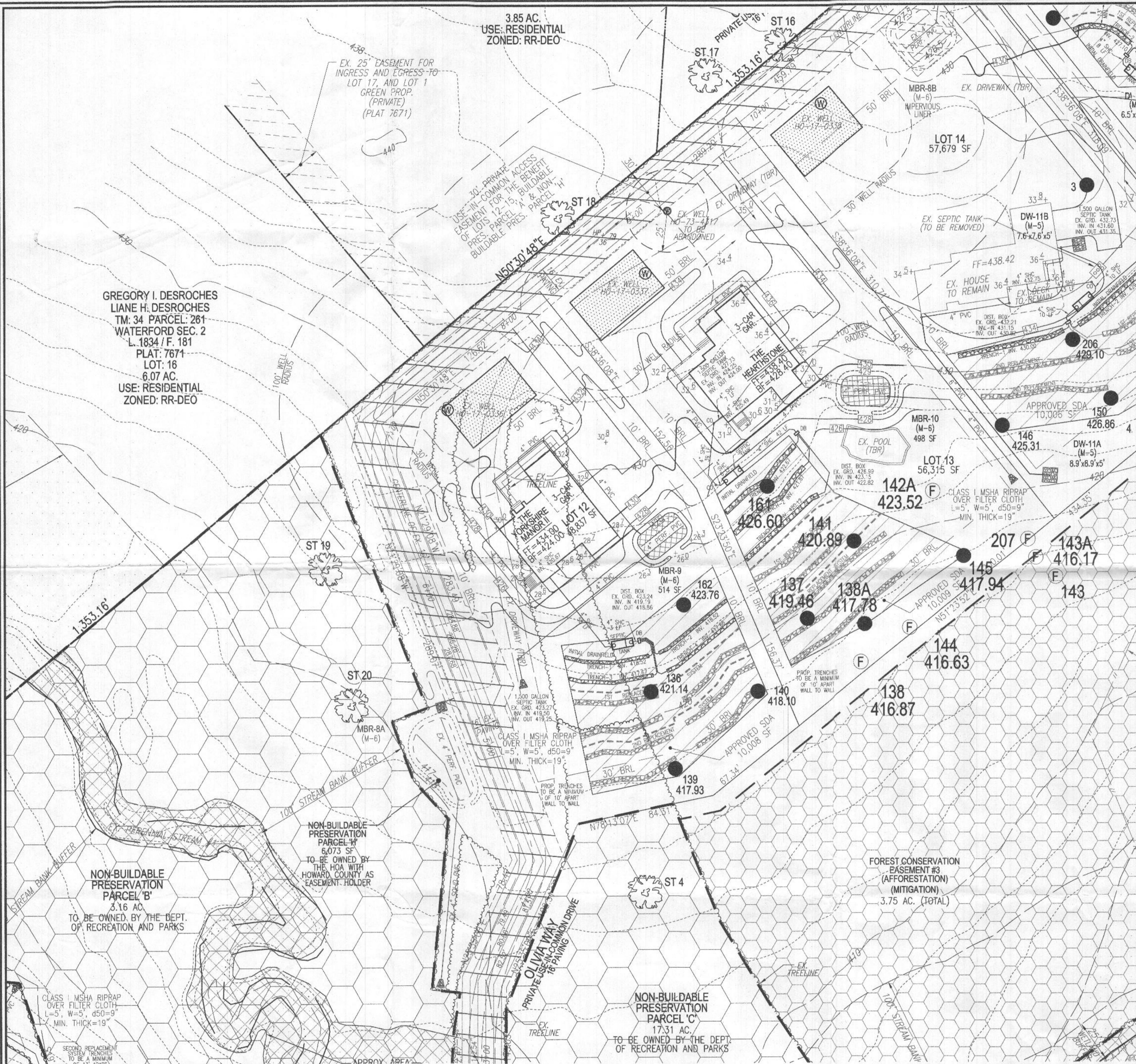
**ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**

**THE ESTATES AT RIVER HILL - LOT 12**  
 13600 OLIVIA WAY  
 HIGHLAND, MD 20777

PARCEL: 389 TAX MAP: 3A ORD: 23 5TH ELECTION DISTRICT ZONED: RR-DEO L 18487 / F. 262 HOWARD COUNTY, MARYLAND

**VOGEL ENGINEERING**  
  
**TIMMONS GROUP**  
 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043  
 P: 410.461.7666 F: 410.461.8961 www.timmons.com

 ROBERT H. VOGEL, PE No. 16183	DESIGN BY: _____ RHV	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. 16183, EXPIRATION DATE: 09-27-2022.
	DRAWN BY: _____ JMR	
	CHECKED BY: _____ RHV	
	DATE: _____ OCTOBER 2021	
	SCALE: _____ AS SHOWN	
W.O. NO.: _____ 15-39	<b>2</b> SHEET OF <b>2</b>	



PLAN VIEW  
SCALE: 1"=30'

WELL LOCATION CERTIFICATION:  
THE EXISTING WELL SHOWN FOR LOT 12 (TAG #H0-17-0336)  
HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL 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. RECONSTRUCTION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

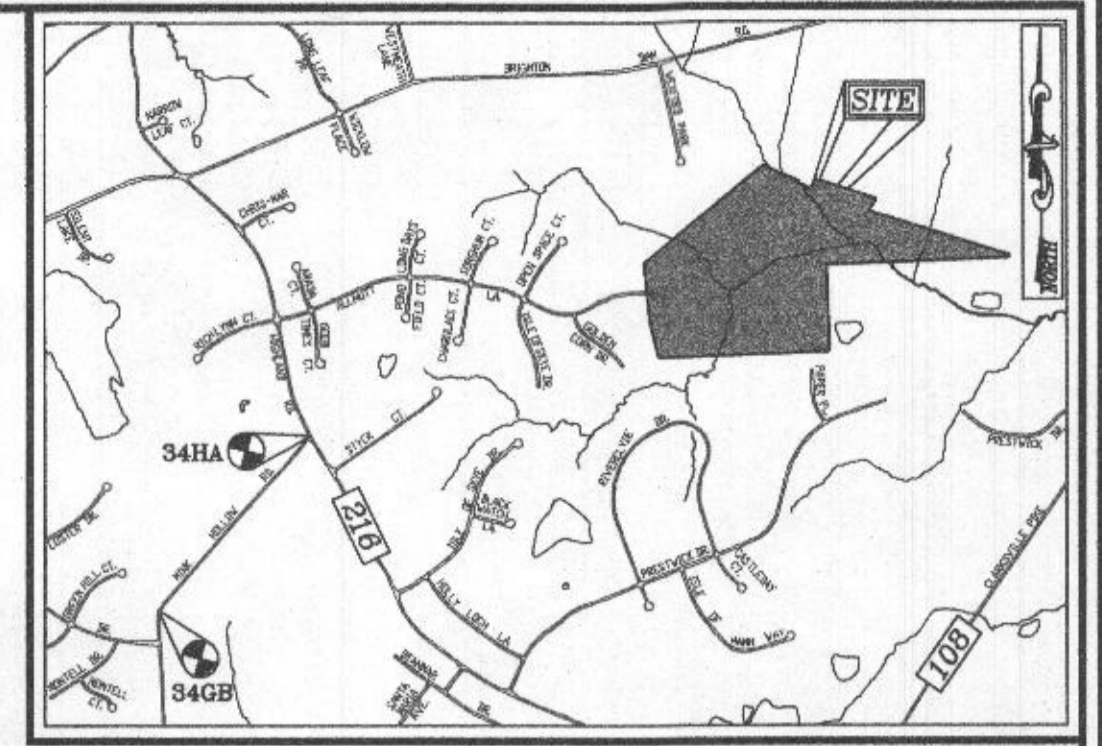
INITIAL SYSTEM TRENCH INFO.			
TRENCH	TRENCH LENGTH	INTRODUCTION OF TRENCH	EXISTING GROUND
1	418.53	414.12	422.52
2	50	418.53	414.12
3	50	417.67	413.17
4	50	417.66	413.16

SYSTEM CALCULATIONS:

INITIAL SYSTEM:  
5 BEDROOMS AT 750gpd / 0.8 ABSORPTION RATE = 938 SQ. FT.  
938 SQ. FT. / 2 (TRENCH WIDTH) x .44 (SIDEWALL REDUCTION) = 208 LINEAR FEET  
208 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.  
(4 TRENCHES OF 52 FEET IN LENGTH)

FIRST REPLACEMENT SYSTEM:  
5 BEDROOMS AT 750gpd / 0.8 ABSORPTION RATE = 938 SQ. FT.  
938 SQ. FT. / 3 (TRENCH WIDTH) x .50 (SIDEWALL REDUCTION) = 156 LINEAR FEET  
156 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM.  
(3 TRENCHES OF 52 FEET IN LENGTH)

SECOND REPLACEMENT SYSTEM:  
5 BEDROOMS AT 750gpd / 0.8 ABSORPTION RATE = 938 SQ. FT.  
938 SQ. FT. / 3 (TRENCH WIDTH) x .71 (SIDEWALL REDUCTION) = 222 LINEAR FEET  
222 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.  
(4 TRENCHES OF 56 FEET IN LENGTH)



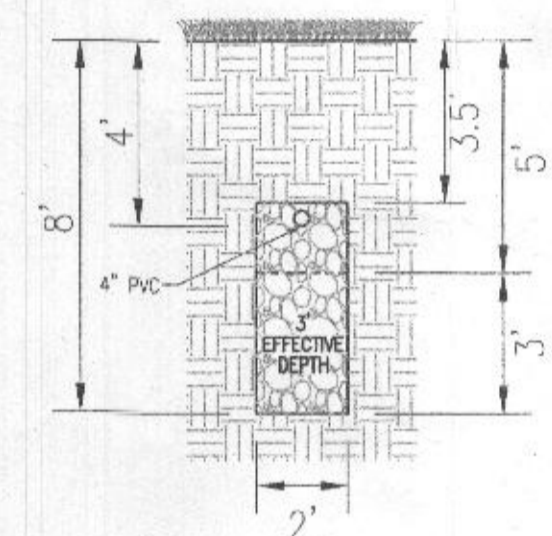
VICINITY MAP

SCALE: 1"=2000'  
ADC MAP: PAGE: 31 / GRID: 32, B3, & C2

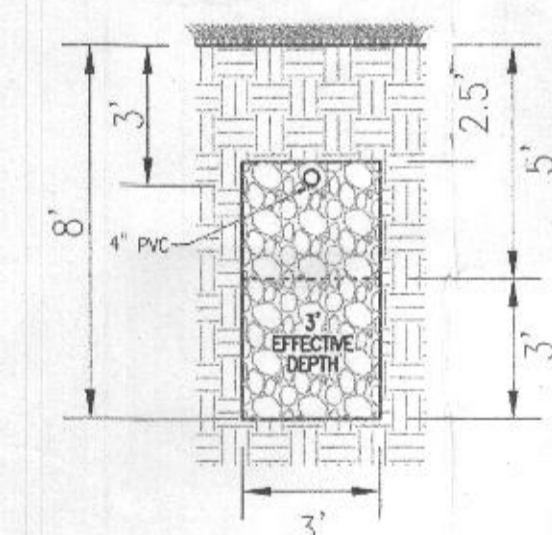
**BENCHMARKS**  
HOWARD COUNTY BENCHMARK 34GB (CONC. MON.)  
N. 553966.73 E. 1317752.53 ELEV. 505.18  
LOCATION: MINK HOLLOW RD. 0.45 MI. SW OF HIGHLAND RD.  
HOWARD COUNTY BENCHMARK 34HA (CONC. MON.)  
N. 555780.15 E. 1319255.57 ELEV. 535.23  
LOCATION: CORNER OF HIGHLAND RD. & MINK HOLLOW RD.

LEGEND:

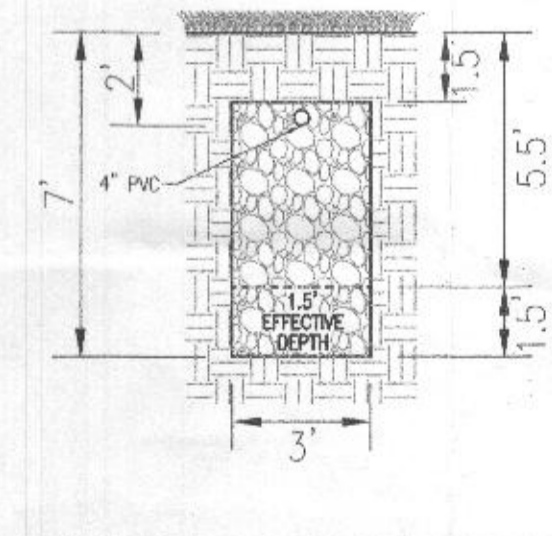
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- ADJACENT PROPERTY LINE
- EXISTING EDGE OF PAVING
- EXISTING STREAM BUFFER
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING SPECIMEN TREES
- EXISTING WOOD FENCE
- EX. PUBLIC 100-YEAR FLOOD PLAIN
- PROP. PRIVATE USE-IN-COMMON ACCESS EASEMENT
- PROP. PRIVATE SHM, DRAINAGE & UTILITY EASEMENT
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- APPROVED SEWAGE DISPOSAL AREA (SDA)
- APPROVED WELL AREA
- EXISTING WELL (TO BE ABANDONED)
- EXISTING WELL
- PASSED PERC. TEST
- FAILED PERC. TEST



INITIAL SYSTEM TRENCH DETAIL  
NOT TO SCALE



1ST REPLACEMENT SYSTEM TRENCH DETAIL  
NOT TO SCALE



2ND REPLACEMENT SYSTEM TRENCH DETAIL  
NOT TO SCALE

Approved Septic System Plan  
Howard County Health Department  
500-gallon Septic Tank  
to Gravity Distribution  
for 5-bedroom residence  
*Signature* 10/22/21  
Date  
5-bedroom lot limitation

GENERAL NOTES:

- 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.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM HOWARD COUNTY GIS AND SUPPLEMENTED WITH FIELD RUN TOPOGRAPHICAL SURVEYS PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED MARCH AND MAY OF 2016.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ABANDON EXISTING SEPTIC TANK, REMOVE EXISTING DISTRIBUTION BOX AND SEAL PIPES LEADING TO TRENCHES THAT ARE TO BE ABANDONED.

**OWNER**  
ESTATES AT RIVER HILL, LLC  
MICHAEL (P&A) MEMBER  
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ELLCOTT CITY, MD 21043  
(410) 480-0023

**DEVELOPER**  
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ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

THE ESTATES AT RIVER HILL - LOT 12  
13600 OLIVIA WAY  
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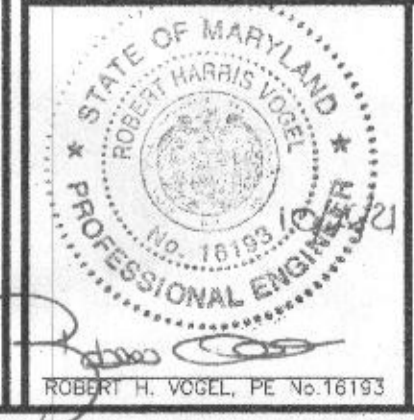
PARCELS 369  
TAX MAP: 14 GRID: 23  
5TH ELECTION DISTRICT

ZONED: RR-DEO  
L. 18487 / E. 262  
HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING

TIMMONS GROUP

3300 NORTH RIDGE ROAD, SUITE 110, ELLCOTT CITY, MD 21043  
P: 410.461.7666 F: 410.461.8951 www.timmons.com



DESIGN BY: RHV  
DRAWN BY: JMR  
CHECKED BY: RHV  
DATE: OCTOBER 2021  
SCALE: AS SHOWN  
W.O. NO.: 15-39

PROFESSIONAL CERTIFICATE  
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. 16193 EXPIRATION DATE 09-27-2022