



**Bureau of Environmental Health**  
 8930 Stanford Boulevard, Columbia, MD 21045  
 Main: 410-313-2640 | Fax: 410-313-2648  
 TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 4/27/18 **ONSITE SEWAGE DISPOSAL SYSTEM** P 05-62976

APPROVAL DATE: 5/10/2018 **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 2022 Terrapin Creek Sykesville, MD 21784

SUBDIVISION: Terrapin Creek LOT: 18 TAX ID: 1403596041

CONTRACTOR: WTC EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 3033 Salem Bottom Rd. Westminster, MD 21157 PHONE: 410-458-7024

PROPERTY OWNER: LDG. Inc. EMAIL: \_\_\_\_\_

OWNER ADDRESS: 8601 Georgia Ave. PHONE: 301-585-7000

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: \_\_\_\_\_

PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>140'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>7'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5'</u>
LOCATION:	<b>PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.</b>	
NOTES:		

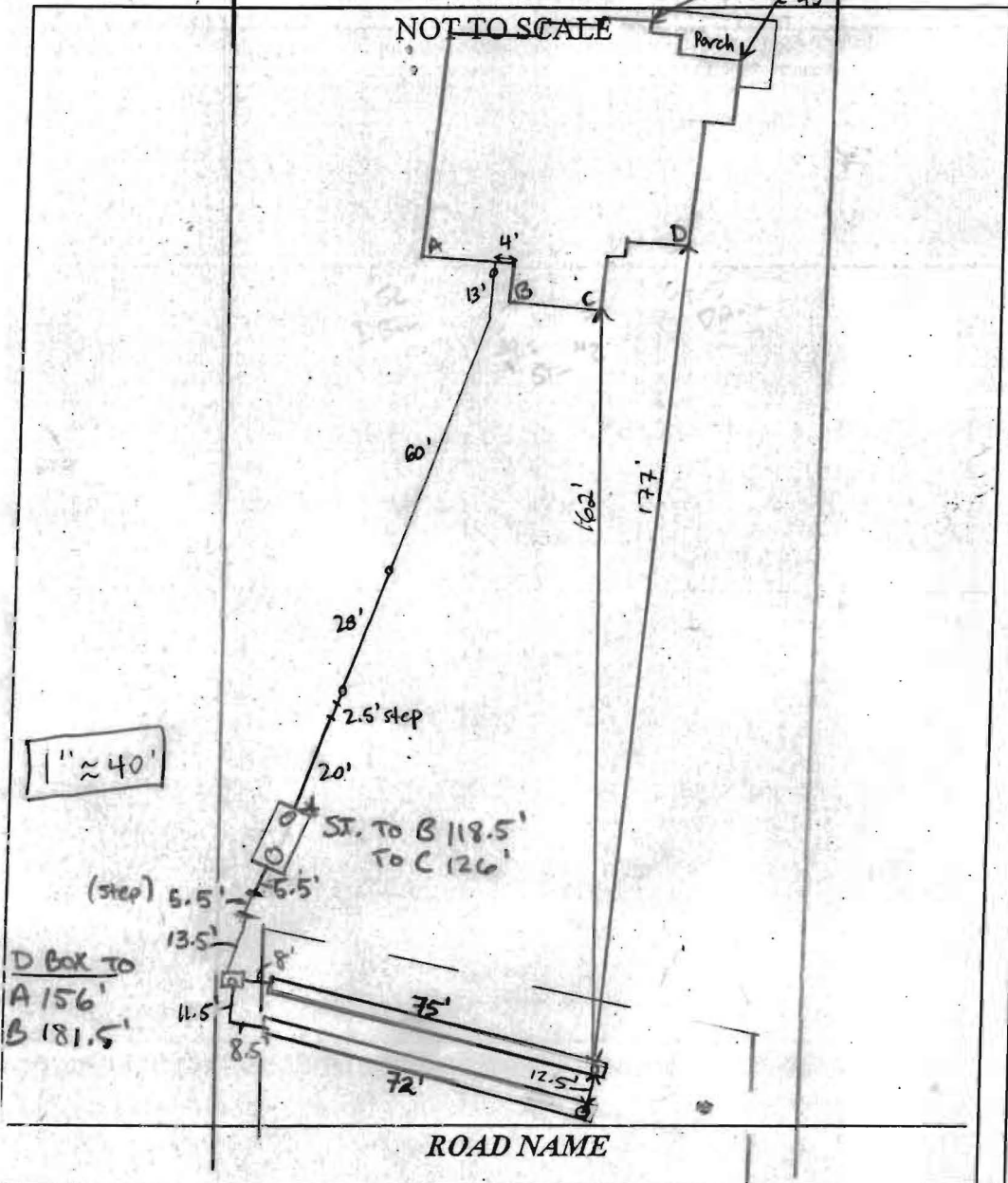
ISSUED BY: Robert Freemon ISSUE DATE: 10/19/18 EXPIRATION DATE: 10/19/2019

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW
- NOTE: WATERTIGHT TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM  
 ELECTRICAL PERMIT ISSUED E \_\_\_\_\_
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**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.  
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

H0-95-1118

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	4'	3'
NUMBER OF TRENCHES		2
TOTAL LENGTH		147'
ABSORPTION AREA		441A <sup>2</sup> + S.W.
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL	DNI
MANUFACTURER	BABYLON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	INLET
W. TERTIGHT TEST	N/A
SLOTTED	YES
DATE ON LID	3-20-2018

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

**PRE-CONSTRUCTION:**

5/8/18 Met WTC on site for layout. SDA corner stakes present. Shot contour + laid out 2x70' trenches on contour. Bring fall in sewer line to 2% 10-15' before tank. (S)

INSTALLATION: 5/8/18 House connection made. Pipe laid to area of tank, fall decreased prior to tank. @ 5/9/18 Line installed from Septic tank to D Box. (S)

5/10/2018: TRENCHES INSTALLED. D Box leveled. OK TO BACKFILL (S)

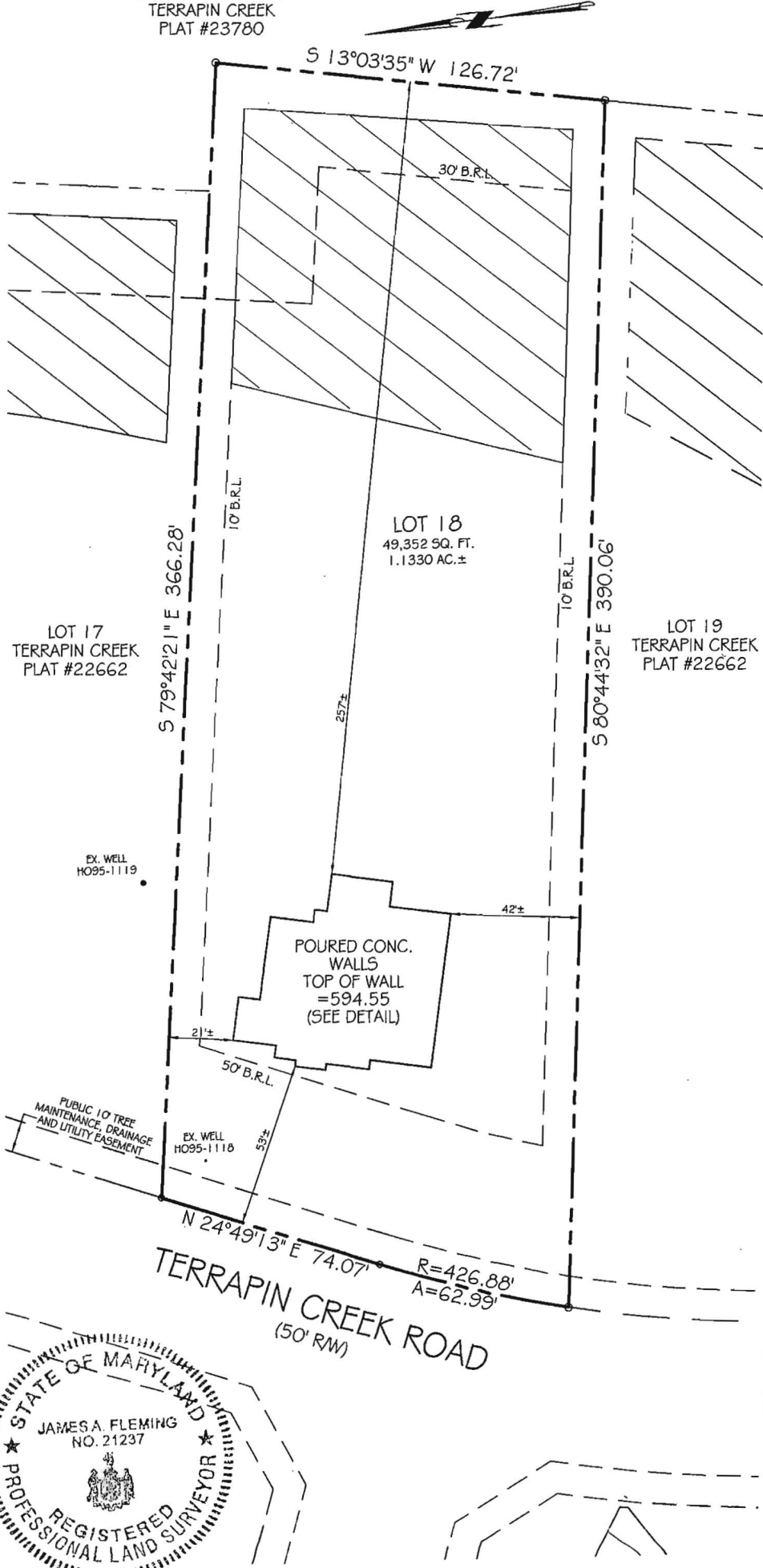
FINAL INSPECTOR

DATE OF APPROVAL

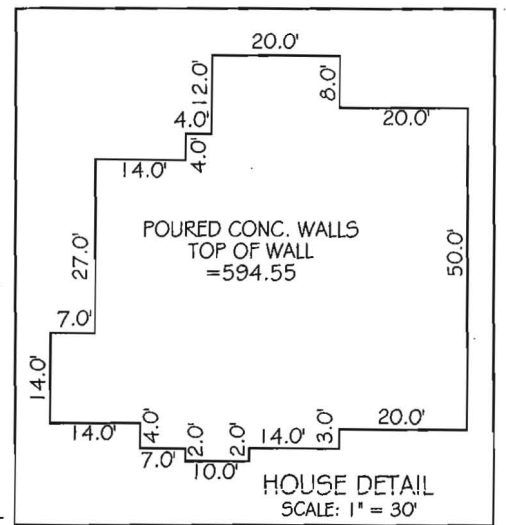
05/10/2018

NON-BUILDABLE  
PRESERVATION PARCEL B-1  
TERRAPIN CREEK  
PLAT #23780

- NOTES:  
1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.  
2) BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.  
3) TOP OF WALL = 594.55'



Wall  
Check  
OK  
R/E  
4/27/18



PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21237, EXPIRATION DATE JANUARY 18, 2019 IN ACCORDANCE WITH COMAR 09.13.06.12.

*James A. Fleming*  
For VanMar Associates, Inc.  
James Alden Fleming, Prof. Land Surveyor

3-5-2018  
Date

WALL CHECK DRAWING  
LOT 18  
TERRAPIN CREEK

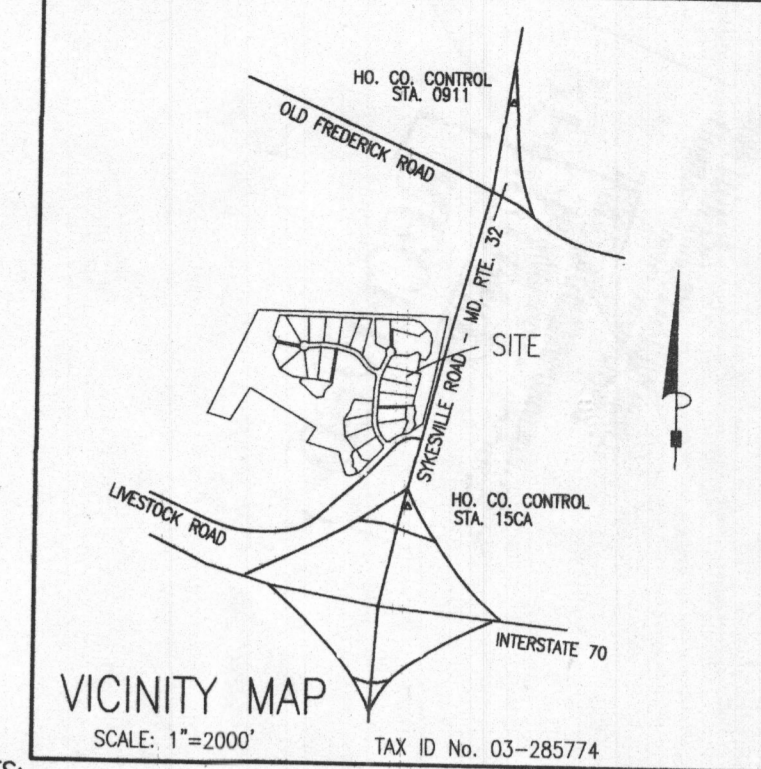
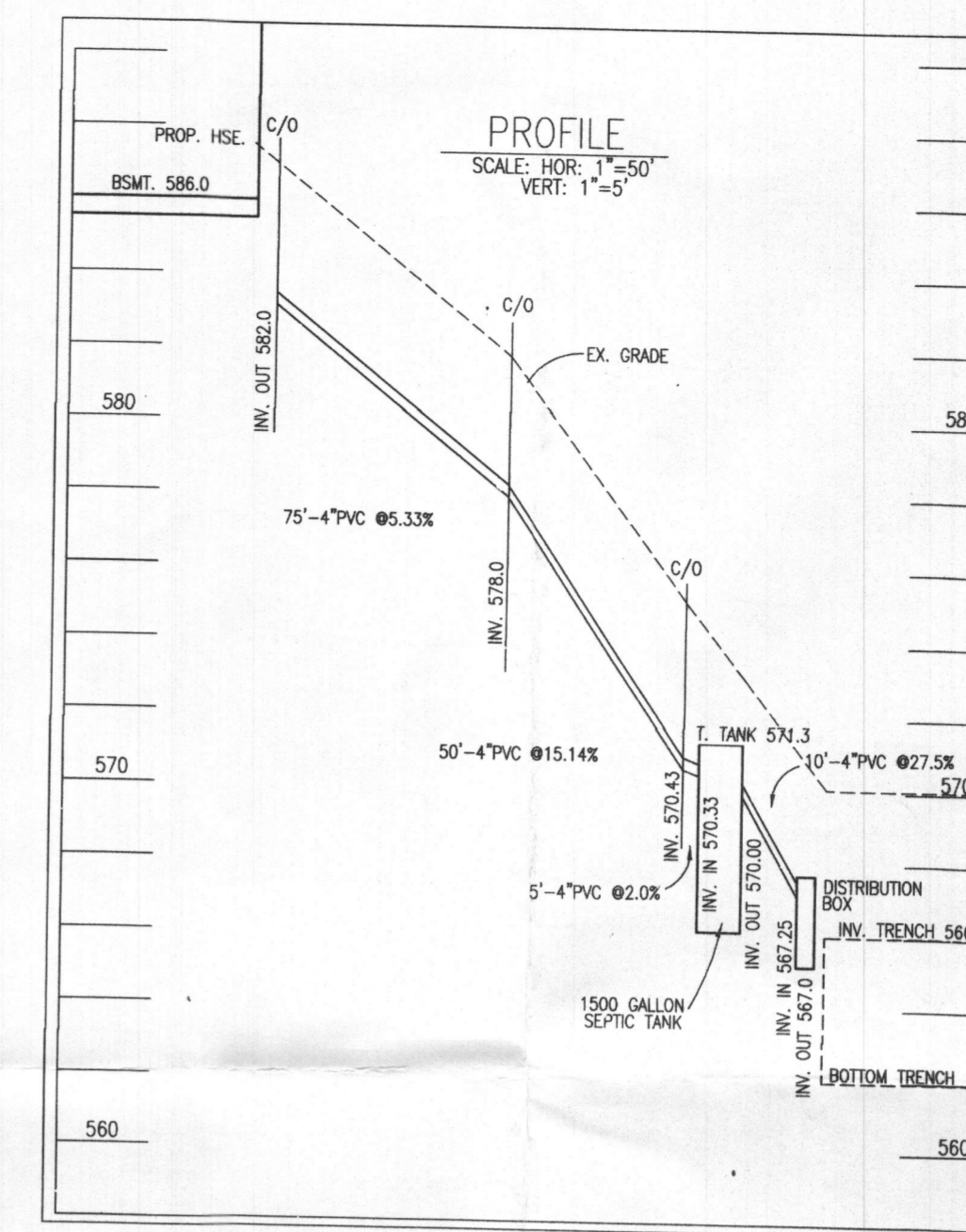
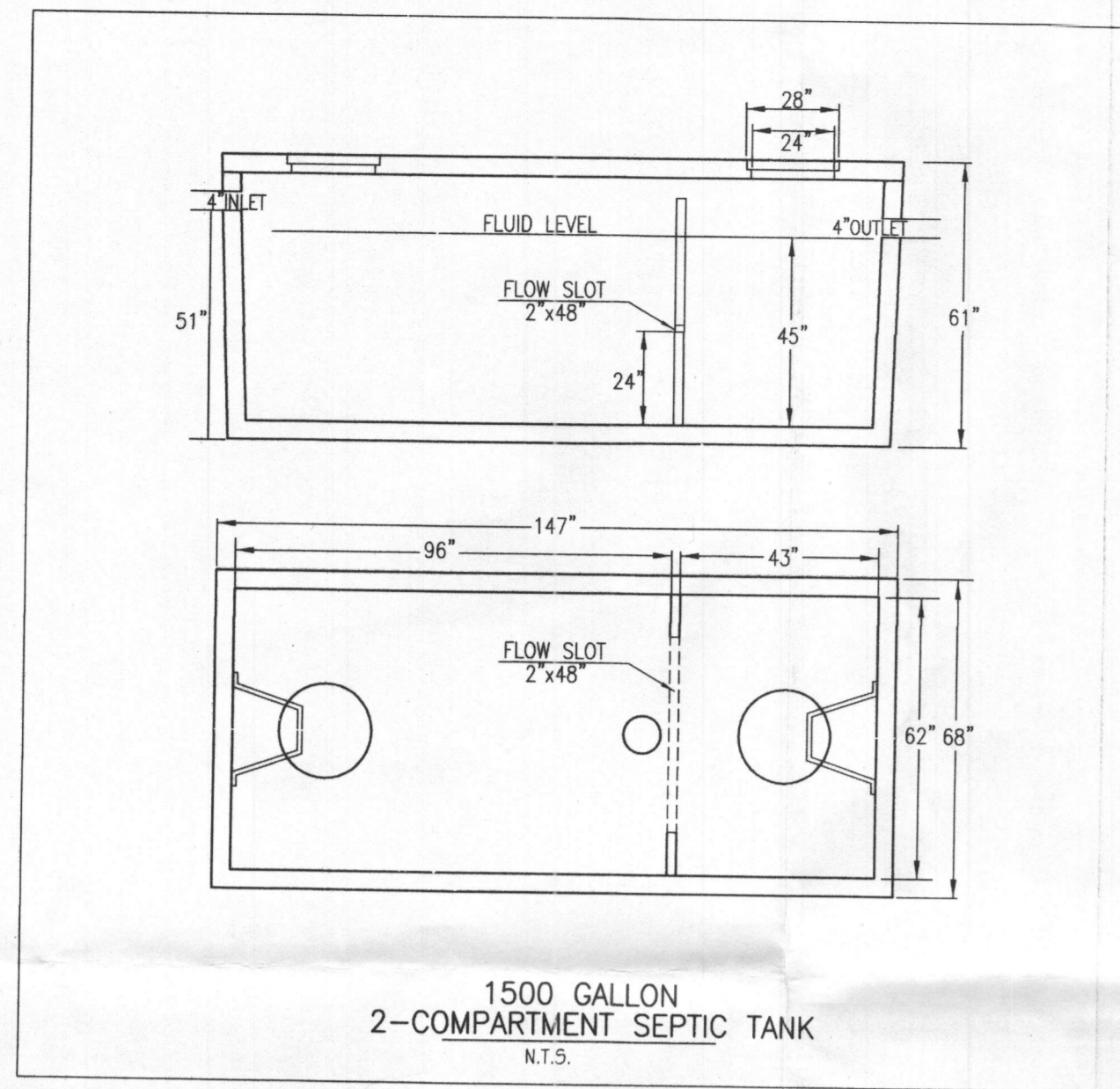
PLAT No. 22662  
2022 TERRAPIN CREEK  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' MARCH, 2018

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

REFERENCE	JOB NO.
PLAT NO. 22662	B4-5428

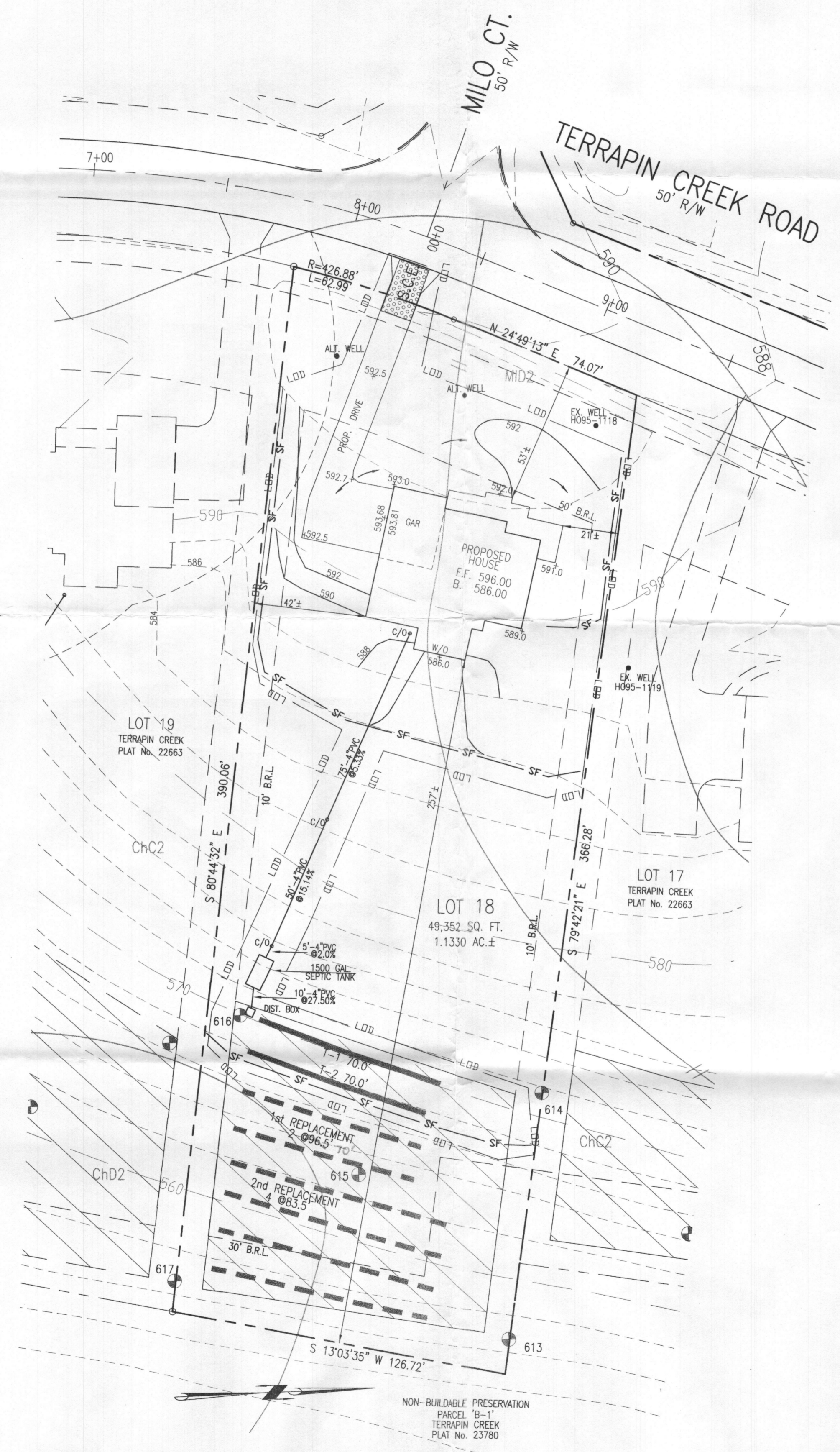
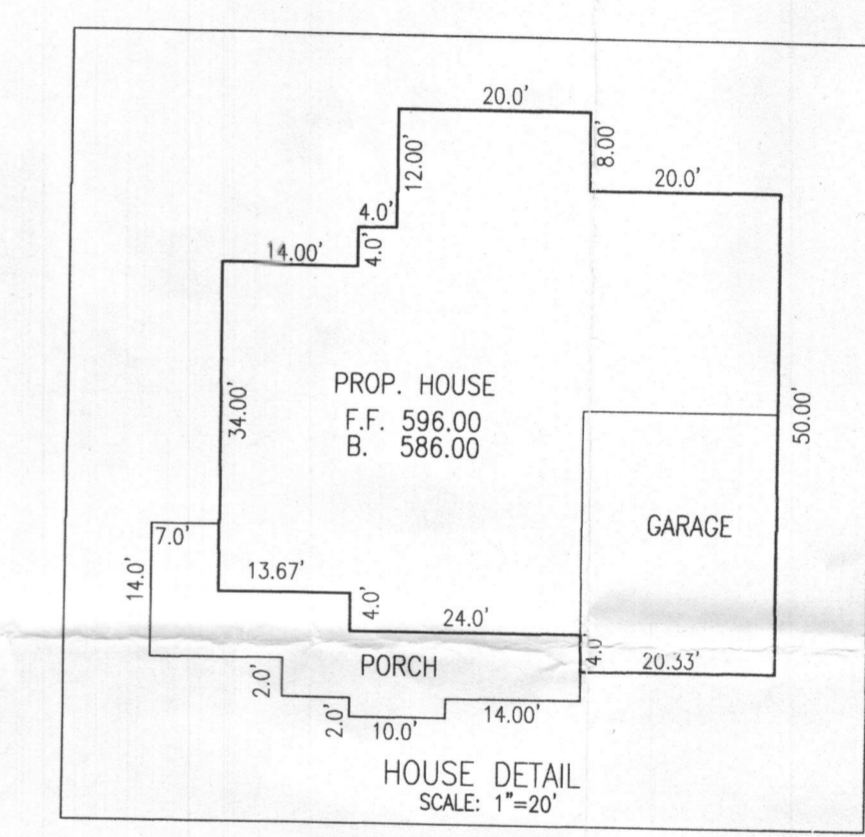


**VANMAR ASSOCIATES, INC.**  
Engineers Surveyors Planners  
310 South Main Street Mount Airy, Maryland 21771  
(301) 829-2890 (301) 831-5015 (410) 549-2751  
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- GENERAL NOTES:**
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
  - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
  - ZONING DISTRICT: RC-DEO
  - LIMIT OF DISTURBANCE (LOD) = 20,500 SQ.FT.
  - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
  - STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY EXISTING TERRAPIN CREEK STORM WATER MANAGEMENT FACILITIES PROVIDED FOR AND CONSTRUCTED BY THE DEVELOPER UNDER PLAN F-07-086.

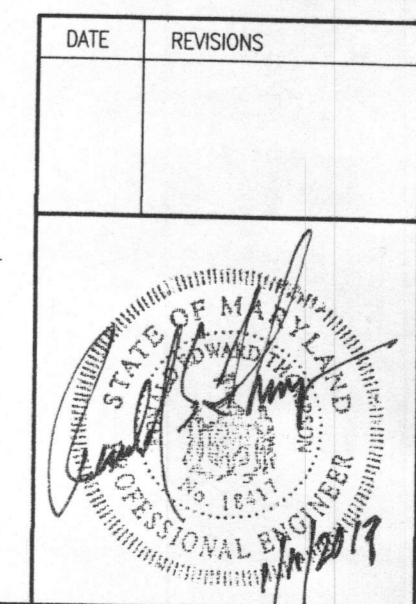
- SEPTIC SYSTEM TRENCH DESIGN**
- INITIAL SYSTEM OF BEDROOMS = 4**  
 APPLICATION RATE = 0.8 GPD / sq.ft.  
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
 600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.  
 750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH  
 250 LF TRENCH X 0.56 REDUCTION CREDIT = 140 LF TRENCH  
 TRENCH 1 (T1) EX. GRD=570.0 -INV. TRENCH=566.0 -B. TRENCH=563.0  
 TRENCH 2 (T1) EX. GRD=568.0 -INV. TRENCH=564.0 -B. TRENCH=561.0
- 1st REPLACEMENT**  
 INITIAL NUMBER OF BEDROOMS = 4  
 APPLICATION RATE = 0.8 GPD / sq.ft.  
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
 600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.  
 750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH  
 250 LF TRENCH X 0.56 REDUCTION CREDIT = 140 LF TRENCH  
 TRENCH 1 EX. GRD=566.5 -INV. TRENCH=562.5 -B. TRENCH=559.5  
 TRENCH 2 EX. GRD=563.5 -INV. TRENCH=559.5 -B. TRENCH=556.5
- 2nd REPLACEMENT**  
 INITIAL NUMBER OF BEDROOMS = 4  
 APPLICATION RATE = 0.6 GPD / sq.ft.  
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
 600 GPD / 0.6 GPD/sq.ft. = 1000 sq.ft.  
 1000 sq.ft. / 3 ft. WIDE TRENCH = 333.3 LF TRENCH  
 TRENCH 1 EX. GRD=562.0 -INV. TRENCH=558.0 -B. TRENCH=556.0  
 TRENCH 2 EX. GRD=560.5 -INV. TRENCH=556.5 -B. TRENCH=554.5  
 TRENCH 3 EX. GRD=559.0 -INV. TRENCH=555.0 -B. TRENCH=553.0  
 TRENCH 3 EX. GRD=557.5 -INV. TRENCH=553.5 -B. TRENCH=551.5



- SITE PLAN 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.
  - MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
  - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
  - THE WELL (TAG #HO-95-1118) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
  - ALL 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.

Approved Septic System Plan  
 Howard County Health Department  
 Hank Oswald 1/26/18  
 Signature Date

**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. 18417, Expiration Date: 9-18-19.



**OWNER:**  
LDG INC.  
LEE PLAZA, SUITE 200  
8601 GEORGIA AVENUE  
SILVER SPRING, MD 20910  
301-585-7000

**DEVELOPER:**  
CATONVILLE HOMES  
1175 STRATFIELD CT.  
MARRIOTTVILLE, MD 21104  
410-442-2211

**ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**

**LOT 18**  
**TERRAPIN CREEK**  
PLAT 22661 - 22664  
TAX ID No. 03-285774  
2022 TERRAPIN CREEK ROAD  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' JANUARY, 2018

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