



Howard County
Health Department

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

Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 12/7/18

ONSITE SEWAGE DISPOSAL SYSTEM

P

564093

APPROVAL DATE: 01/03/2019

PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 2003 Terrapin Creek Road

SUBDIVISION: Terrapin Creek

LOT: 1

TAX ID:

03-596024

CONTRACTOR: WTC Contractors

EMAIL:

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157

PHONE: 410-458-7024

PROPERTY OWNER: LDG Inc.

EMAIL:

OWNER ADDRESS: 8601 Georgia Avenue, Silver Spring, MD 20110

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:

6

APPLICATION RATE:

0.8

TRENCHES:

LINEAR FEET REQUIRED: 135

INLET DEPTH: 3

TRENCH WIDTH: 3

MAXIMUM BOTTOM DEPTH: 8

MINIMUM SPACE

BETWEEN TRENCHES: 10

EFFECTIVE AREA BEGINNING DEPTH: 3

LOCATION:

PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.

NOTES:

2x 68' TRENCHES

ISSUED BY: Hank Oswald

ISSUE DATE:

12/7/18

EXPIRATION DATE:

12/7/19

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

N/A

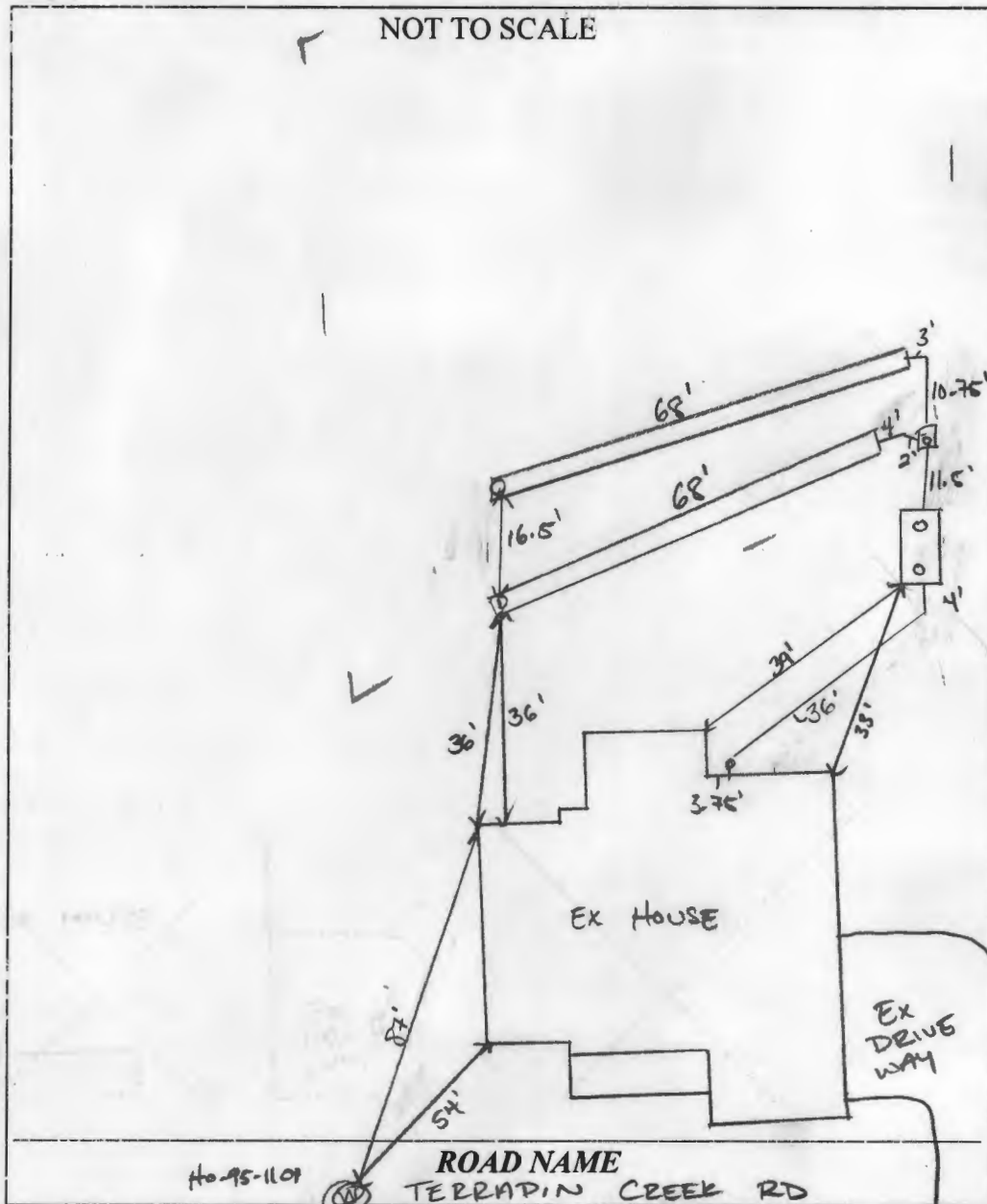
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	8'

NUMBER OF TRENCHES 2
 TOTAL LENGTH 136 ft
 ABSORPTION AREA 408 ft² + SIDE WALL
 DISTRIBUTION BOX LEVEL YES
 DISTRIBUTION BOX BAFFLE YES
 DISTRIBUTION BOX PORT YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL DNI
 MANUFACTURER BABYLON
 CAPACITY 1500 GAL
 SEAM LOC TOP
 TANK LID DEPTH 2.5'
 BAFFLES YES
 BAFFLE FILTER NO
 MANHOLE LOC FRONT/BACK
 6" PORT LOC INLET
 WATERTIGHT TEST N/A
 SLOTTED YES
 DATE ON LID OK

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:

12/14/2018 LAYOUT PER PLAN. SLIGHT FILL ON SDA. OK TO CONTINUE.
 TANK STAKED (4)

INSTALLATION: 12/20/2018 SHC INSTALLED, TANKS SET AND CONNECTED.

D Box INSTALLED. SPEED LEVELS SET. D Box CONNECTED TO TRENCHES.
 LOWER TRENCH COMPLETED. CONTRACTOR REPORTED SHIFTING

TRENCHES 4' SO D Box COULD COME STRAIGHT OFF TANK. CONTRACTOR
 BECAME BELIGERENT AND NON-NEGOTIABLE. (PM) UPPER TRENCH COMPLETE. (X)

12/27/18 Spoke w/ contractor on conversation above. No impact on existing
 and future repair systems on SDA. OK to finish (X)

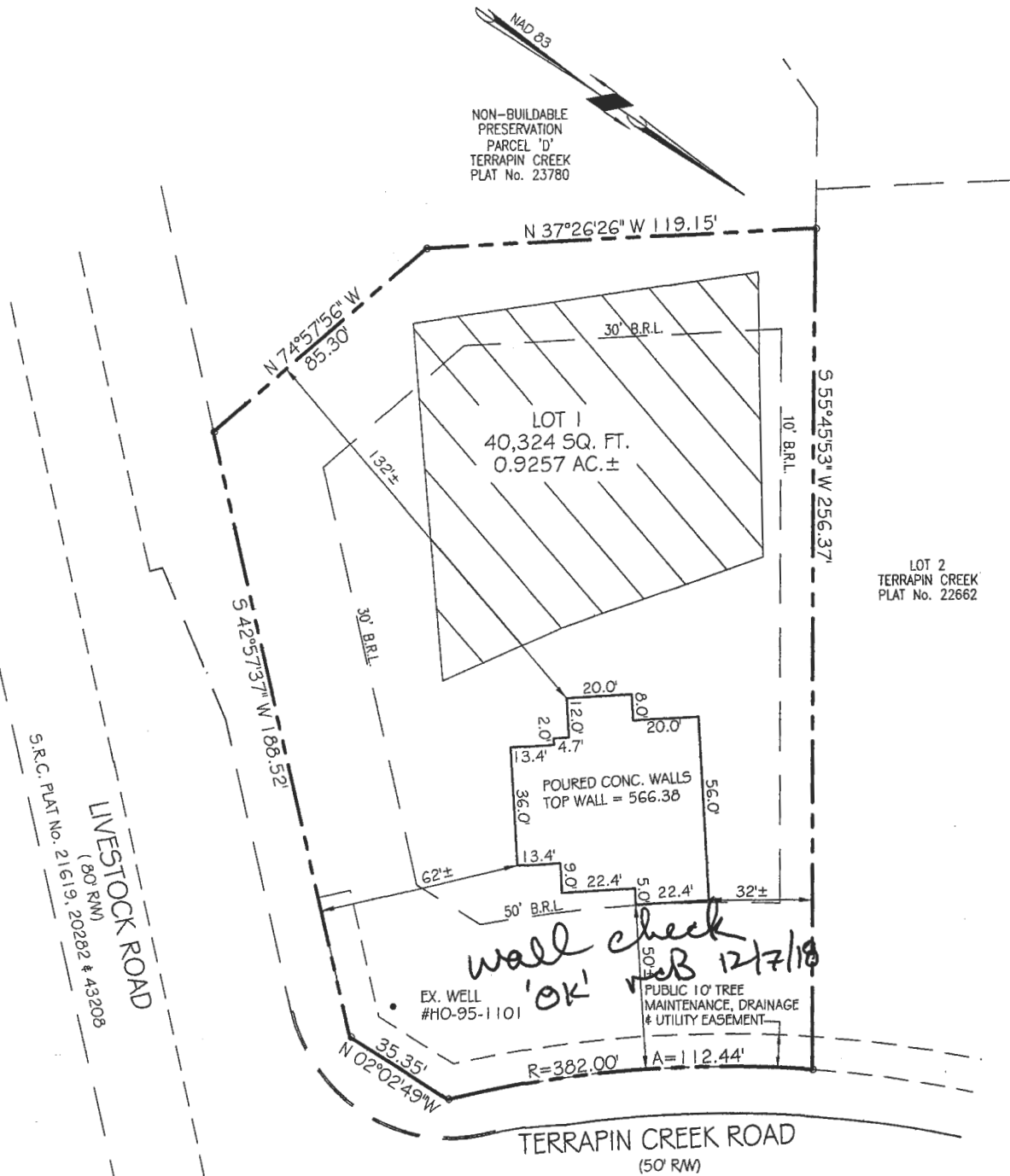
FINAL INSPECTOR

DATE OF APPROVAL

01/03/2019

NOTES:

- 1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.
- 2) BUILDING TIES ARE $\pm 0.5'$ UNLESS OTHERWISE NOTED.
- 3) TOP OF WALL = 566.38



LETTER OF TRANSMITTAL

☐ AGENCY ☐ CLIENT ☐ FILE ☐ BILLING ☐ CORESPONDANCE ☐ OTHER

VanMar Associates, Inc.

Engineers ~ Surveyors ~ Planners
310 South Main Street, P.O.Box 328, Mt. Airy, MD 21771
301-829-2890 301-831-5015 301-695-0600
410-549-2751 (FAX) 301-831-5603

TO:

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, Maryland 21045

Attn: Hank Oswald

DATE: July 31, 2018

Project: Terrapin Creek, Lot 1

VanMar: B45428

ENCLOSED:

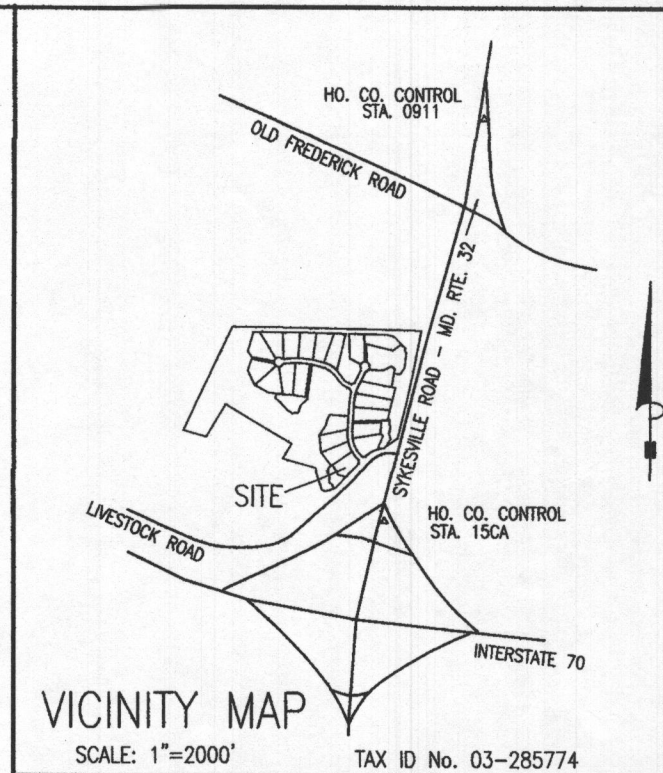
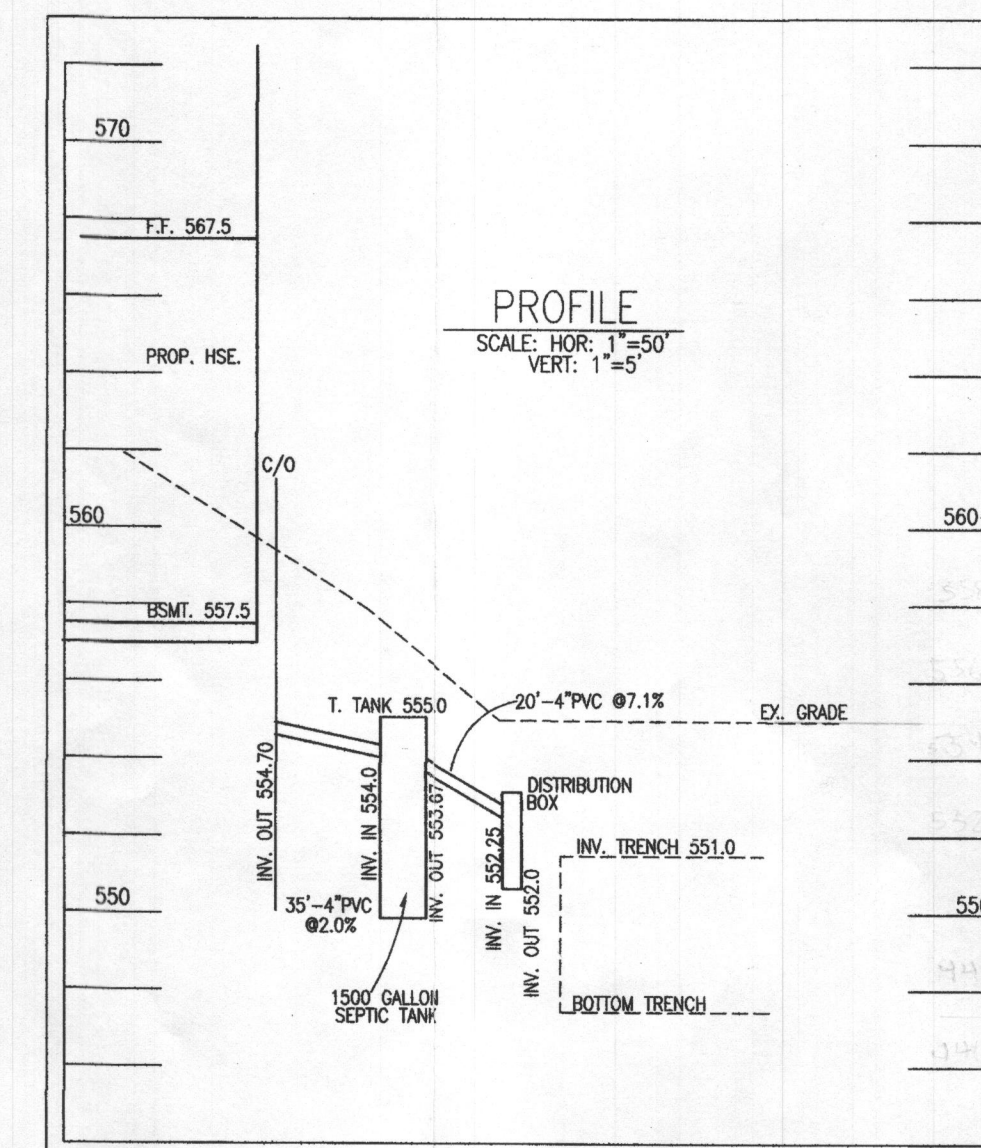
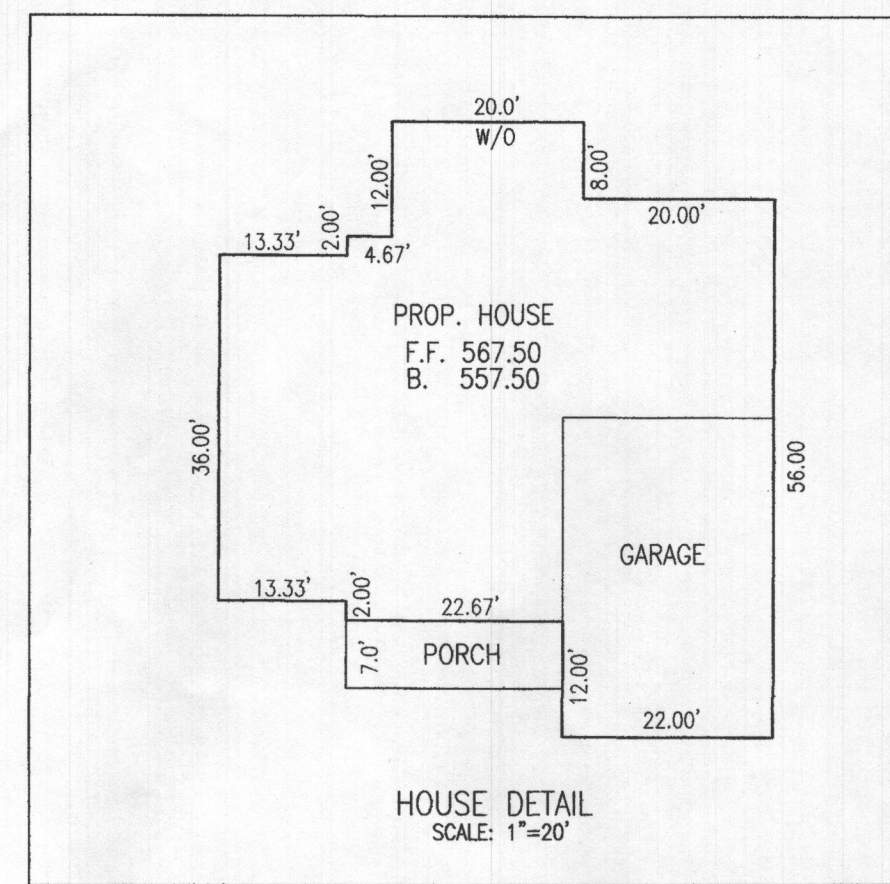
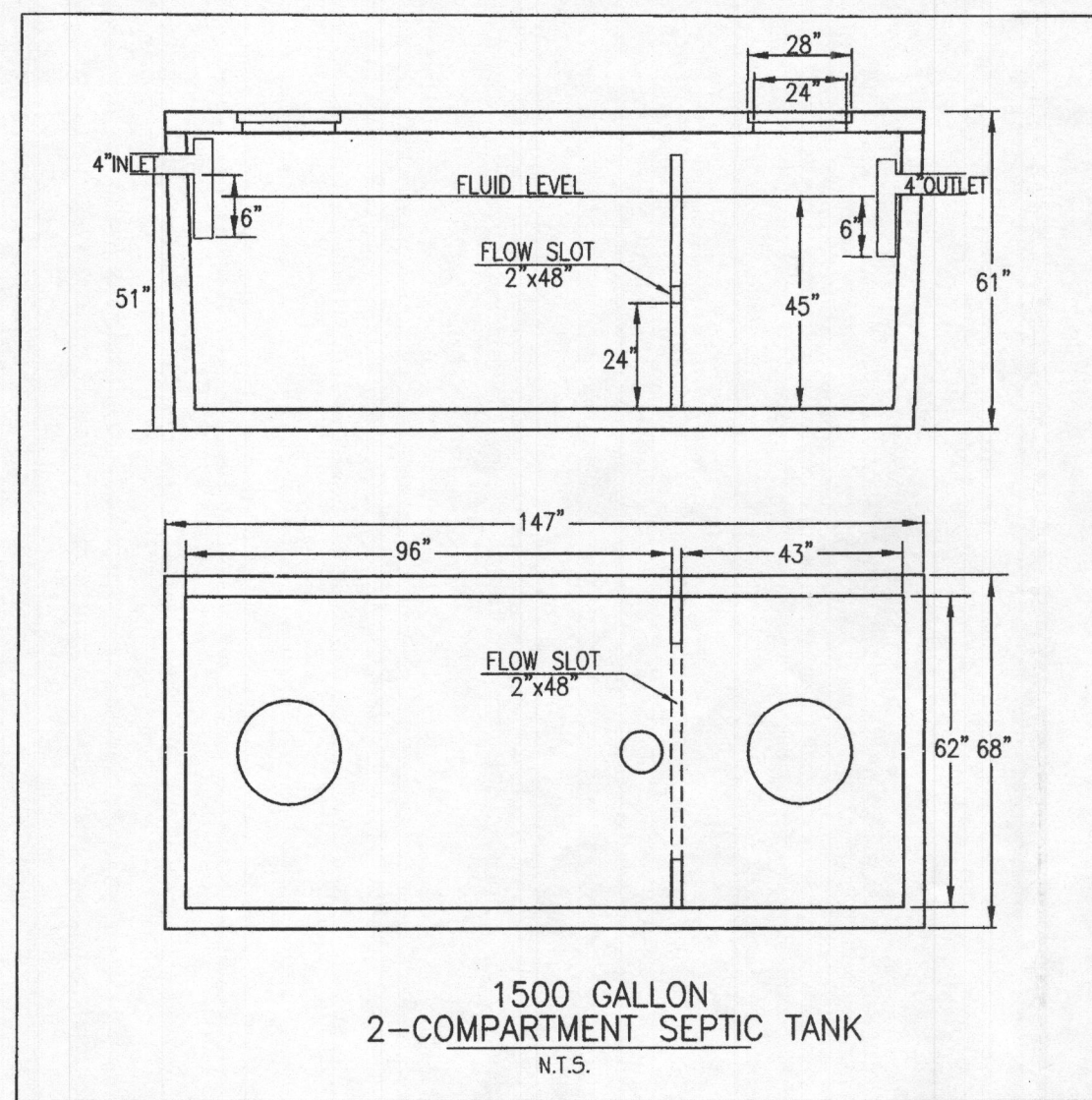
COPIES	DATE	DESCRIPTION
1	7/27/2018	Email Comments from Hank Oswald, dated July 27, 2018
3	7/31/2018	On Site Sewage Disposal System Design Plan, Lot 1, Terrapin Creek

REMARKS: Hi Hank, plan revised to reflect your comments dated July 27, 2018. Submitted for approval
Thank You and have a great day!

COPIES TO (ADDRESS): Catonsville Homes, Inc., 11175 Stratford Court, Marriottsville, Maryland 21104

SUBMITTED BY: Mag-M

G:enr.5428. Ho.Co.H.D. Lot 1 rev.7.31.2018



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) = 18,500 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 NUMBER OF BEDROOMS = 6
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
1125 sq.ft. / 3 ft. WIDE TRENCH = 375 LF TRENCH
375 LF TRENCH X 0.36 REDUCTION CREDIT = 135 LF TRENCH
TRENCH 1 (T1) EX. GRD=555.0 -INV. TRENCH=551.0 -B. TRENCH=547.0
TRENCH 1 (T2) EX. GRD=553.0 -INV. TRENCH=549.0 -B. TRENCH=545.0

1st REPLACEMENT
APPLICATION RATE = 1.2 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 1.2 GPD/sq.ft. = 750 sq.ft.
750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH
250 LF TRENCH X 0.36 REDUCTION CREDIT = 90 LF TRENCH
TRENCH 1 EX. GRD=551.0 -INV. TRENCH=547.0 -B. TRENCH=543.0

2nd REPLACEMENT
APPLICATION RATE = 0.8 GPD / sq.ft.
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900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
1125 sq.ft. / 3 ft. WIDE TRENCH = 375 LF TRENCH
375 LF TRENCH X 0.42 REDUCTION CREDIT = 158 LF TRENCH
TRENCH 1 EX. GRD=549.0 -INV. TRENCH=545.0 -B. TRENCH=541.0
TRENCH 2 EX. GRD=547.0 -INV. TRENCH=543.0 -B. TRENCH=539.0

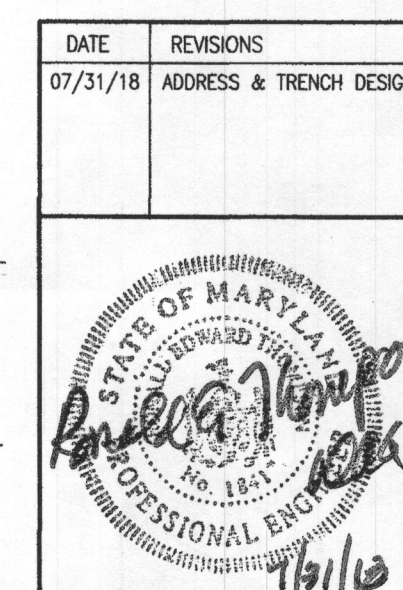
SITE PLAN NOTES:

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- 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-95-1101) 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

Signature: *Hank Oswald* Date: *8/16/18*

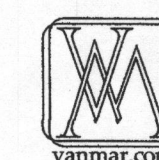
OWNER:
LDG INC.
LEE PLAZA, SUITE 200
8601 GEORGIA AVENUE
SILVER SPRING, MD. 20910
301-585-7000
DEVELOPER:
CATONVILLE HOMES
11175 STRATFIELD CT.
MARRIOTTVILLE, MD. 21104
410-442-2211



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

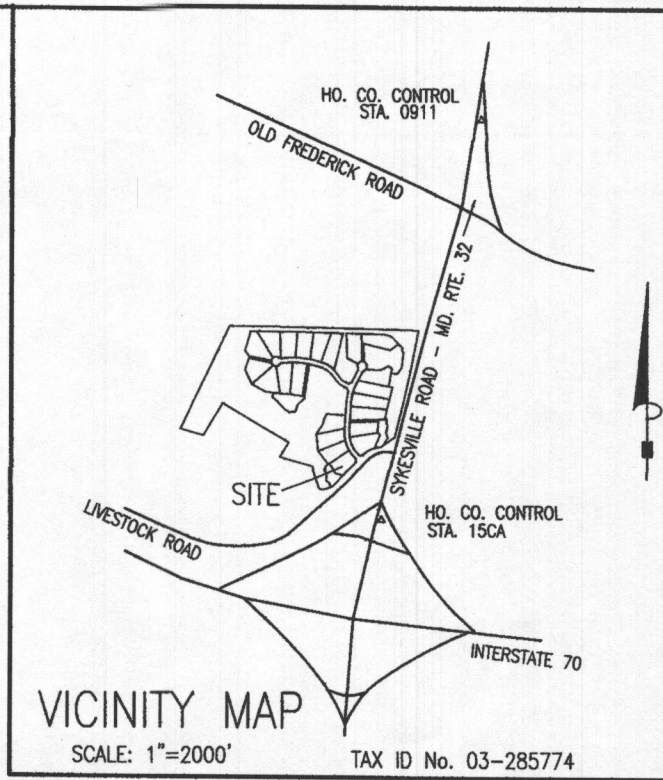
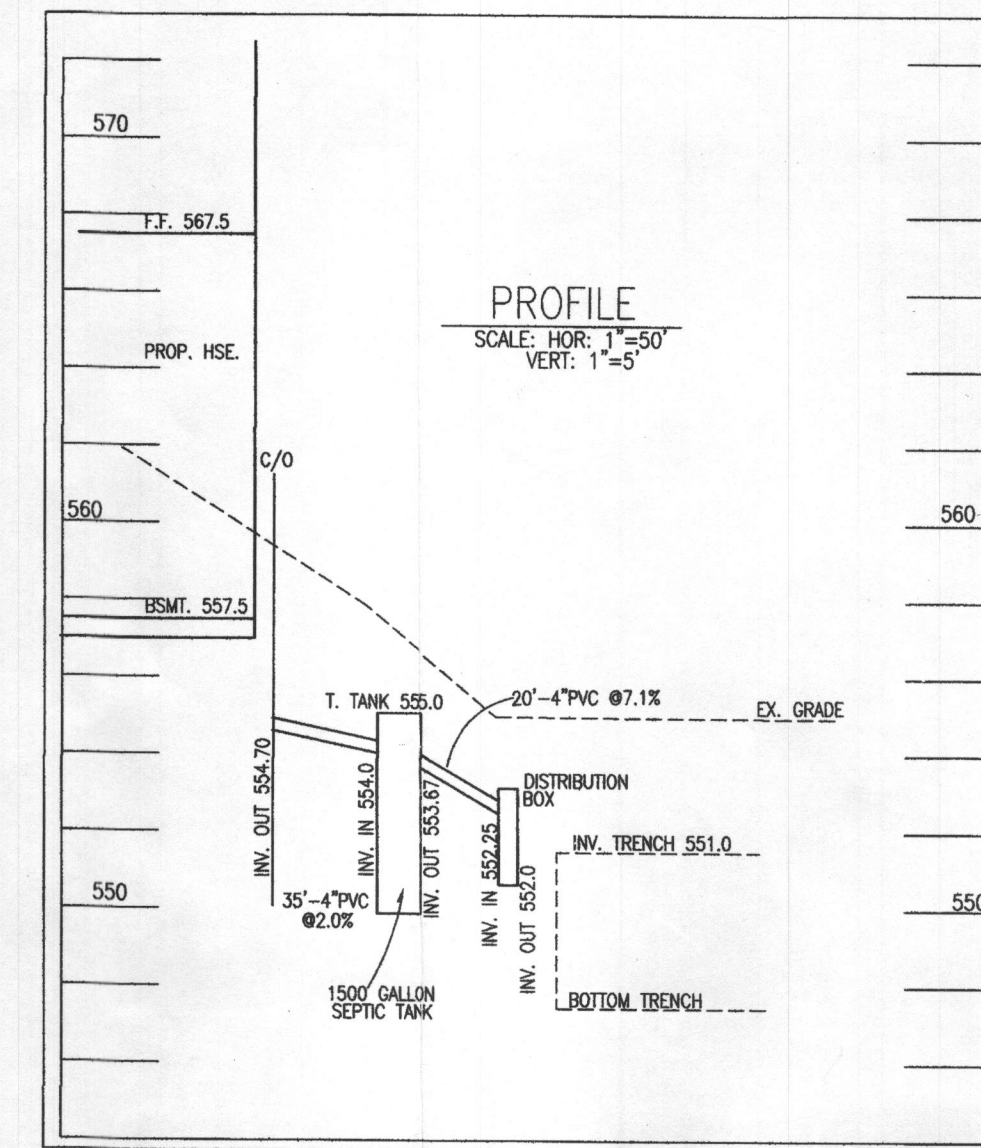
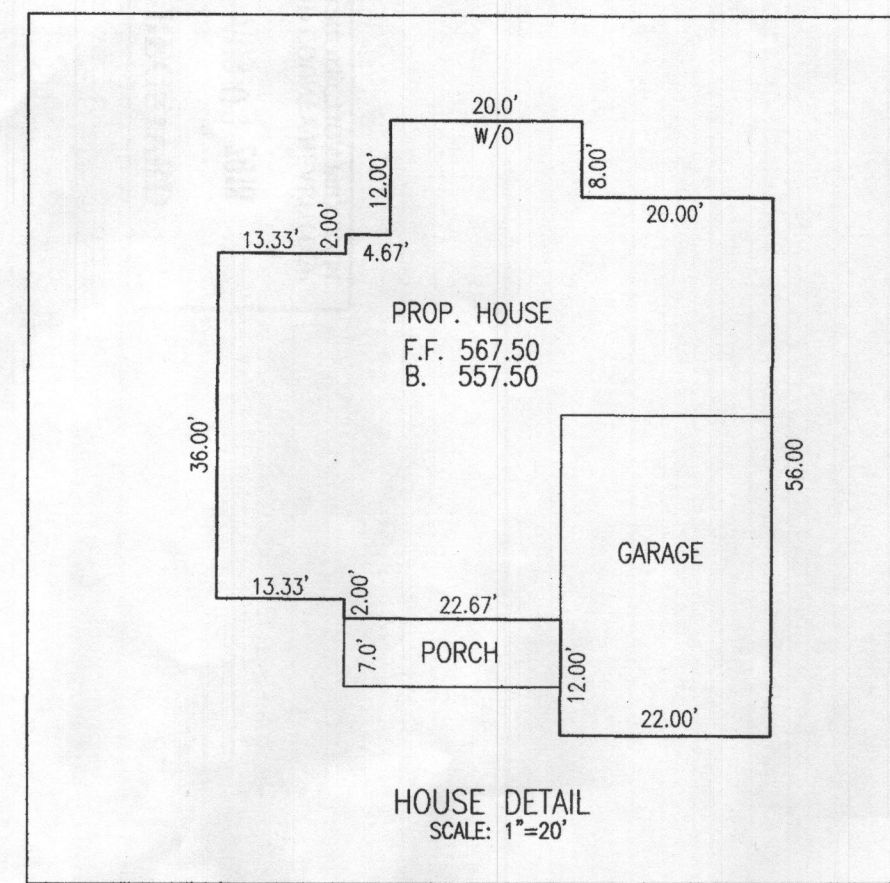
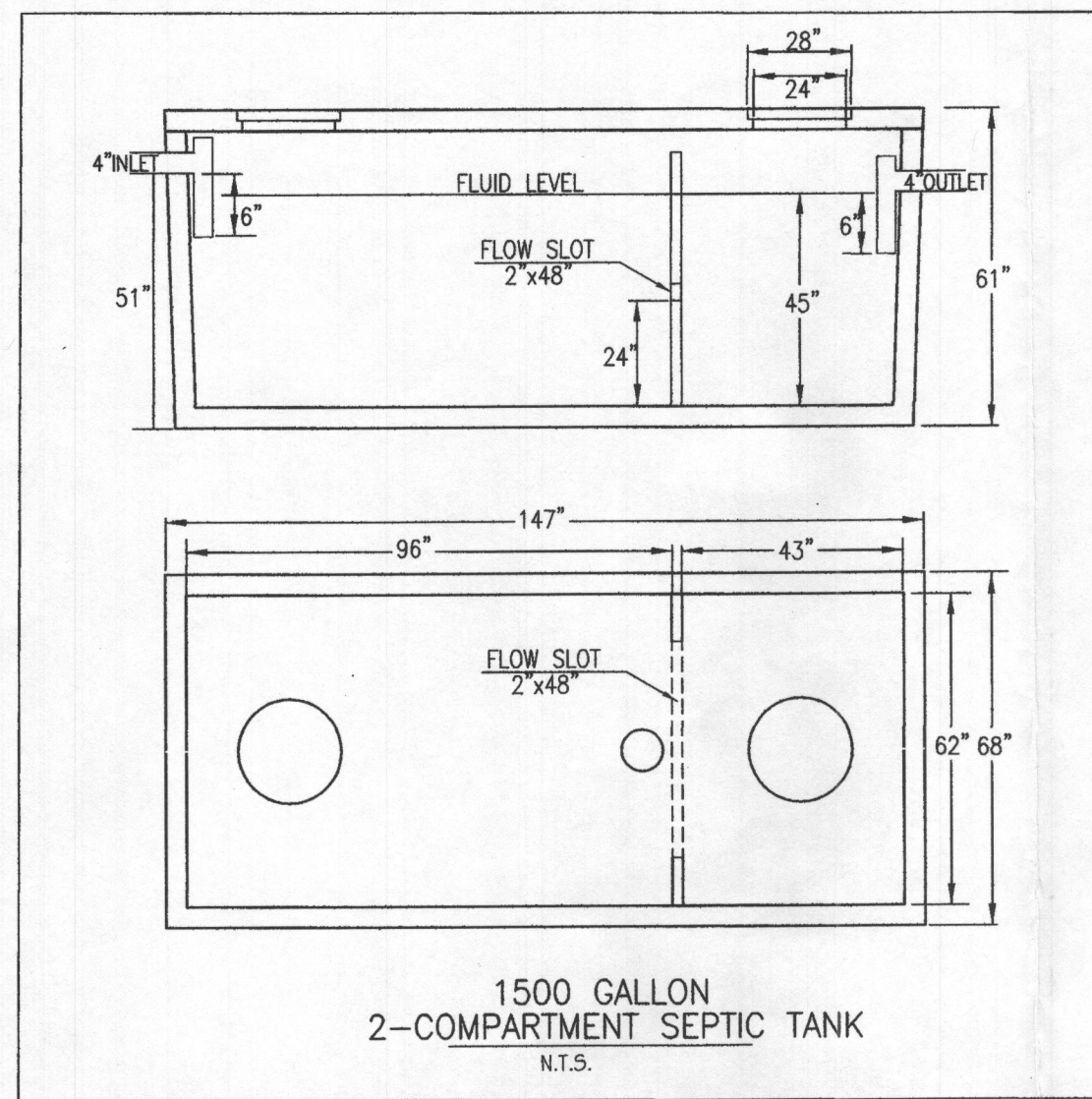
LOT 1 TERRAPIN CREEK

PLAT 22861 - 22864
TAX ID No. 03-285774
2003 TERRAPIN CREEK ROAD MILO COURT
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' JULY, 2018



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 691-2880 (301) 631-5015 (410) 546-2751
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SHEET 1 OF 1



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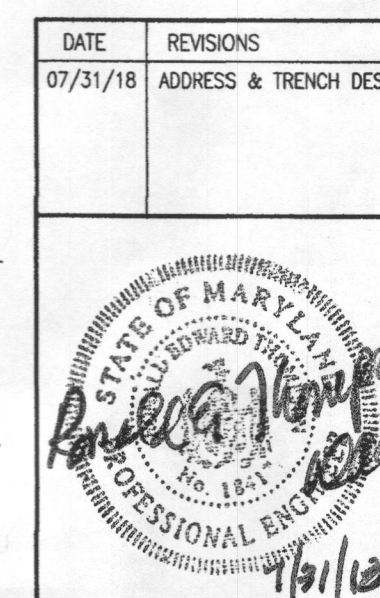
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Signature: [Signature] Date: [Signature]

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