



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: 9-25-17

ONSITE SEWAGE DISPOSAL SYSTEM

P 8d534

APPROVAL DATE: 9-27-17

PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 2018 Terrapin Creek Road

SUBDIVISION: Terrapin Creek

LOT: 20

TAX ID: _____

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: _____

PUMP SIZE _____

PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS: _____

APPLICATION RATE: _____

TRENCHES:	LINEAR FEET REQUIRED: <u>94</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:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: _____

ISSUE DATE: 9-25-17

EXPIRATION DATE: 9-25-18

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 DOWNGRAIENT 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

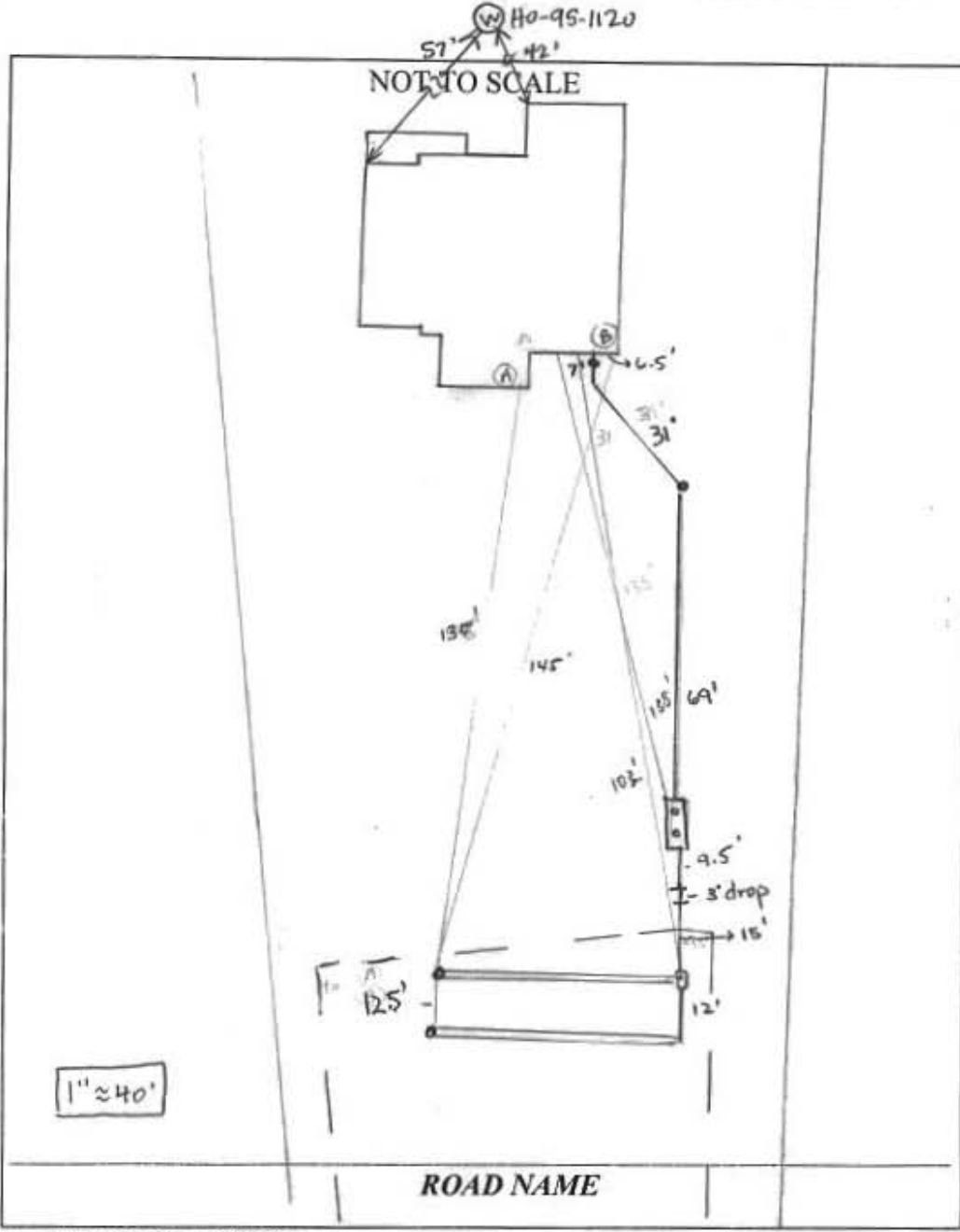
E _____

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.



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3.5'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		100'
ABSORPTION AREA		300'
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	top
TANK LID DEPTH	2' to 3'
BAFFLES	yes
BAFFLE FILTER	-
MANHOLE LOC	(2) front/back
6" PORT LOC	yes
WATERTIGHT TEST	no
SLOTTED	yes
DATE ON LID	8/5/17
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:

9/26/17 Met WTC on site for layout. SDA corner stakes present - shot contour + laid out 2x47' trenches. Measured tank location off house - okay to set closer to SDA than shown on plan. Builder on site okay with changes. (SC)

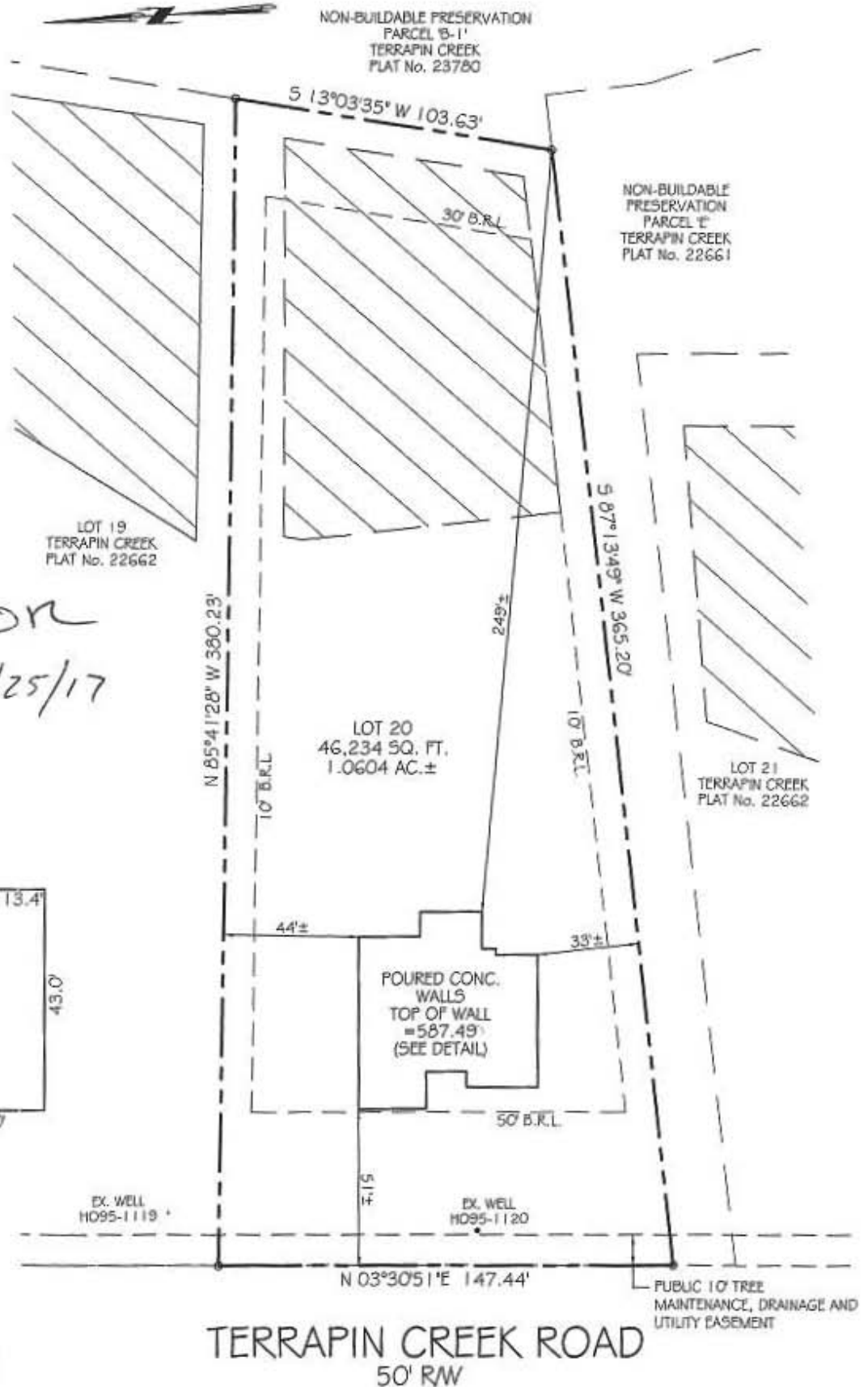
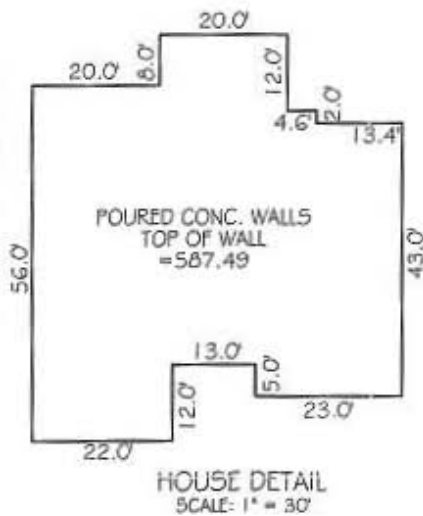
INSTALLATION:

9/27/17 site inspection / final inspection - contractor on site, most of the work completed. Trenches look good, tank level. Stone looks good. Contractor using laser to shoot trench bottoms. Observation ports in place, 6" x 4" baffles in place, D-box w/ port looks good. levelers in place w/ even distribution. OK to backfill. (RP)

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 = 587.49

Wall
Check on
R/W 9/25/17



Ron Thompson

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Monday, July 24, 2017 3:47 PM
To: Ron Thompson
Subject: OSDS Plan_2014 Terrapin Creek_Lot 20

Hi Ron:

I reviewed the OSDS Plan for 2014 Terrapin Creek, Lot 20 and noticed that the application rate on the 2nd replacement system was still incorrect and there is no sidewall credit for the 2nd system.

Please revise the plan accordingly. Let me know if you have any questions.

Thank you,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, July 11, 2017 3:02 PM
To: ron@vanmar.com
Subject: OSDS Plan_2014 Terrapin Creek Road
Attachments: Terrapin Creek_Lot 20.pdf

Hi Ron:

The OSDS Plan for Terrapin Creek, Lot 20 has been reviewed with the following comment:

- 1.) Change 2nd replacement system specs to match worksheet (attached)

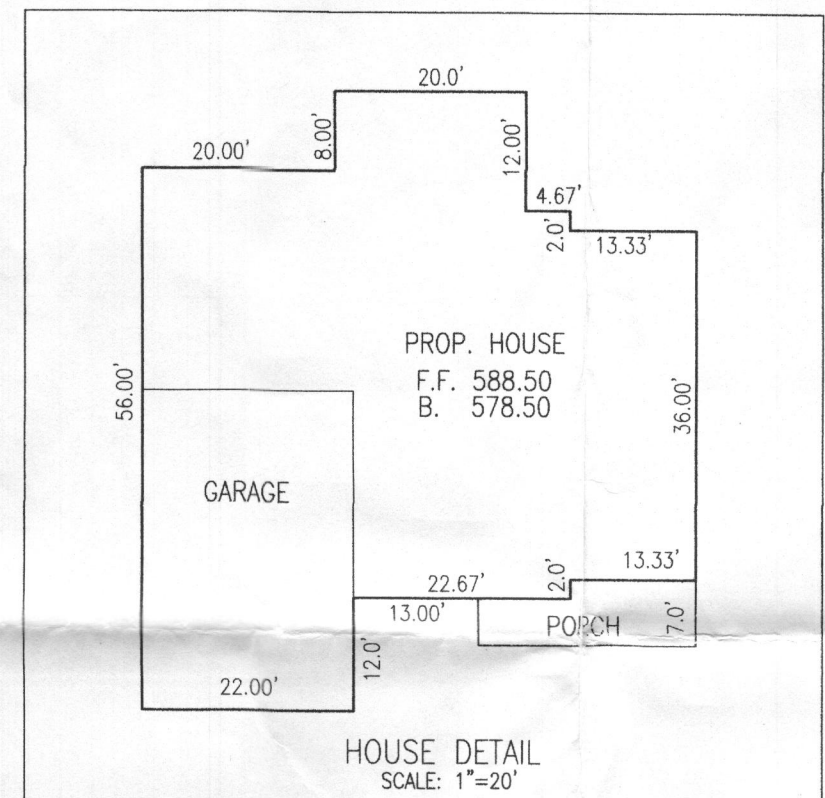
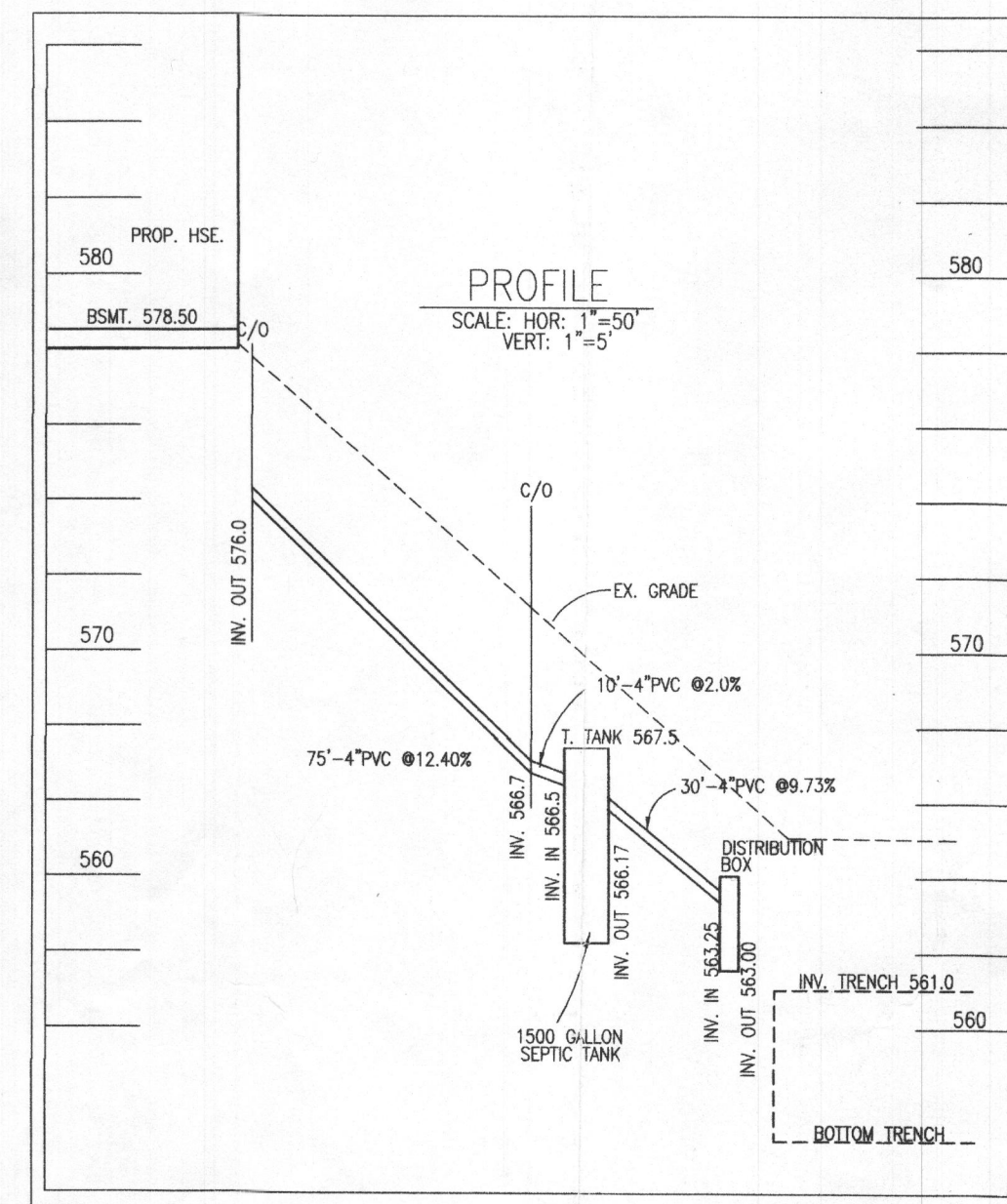
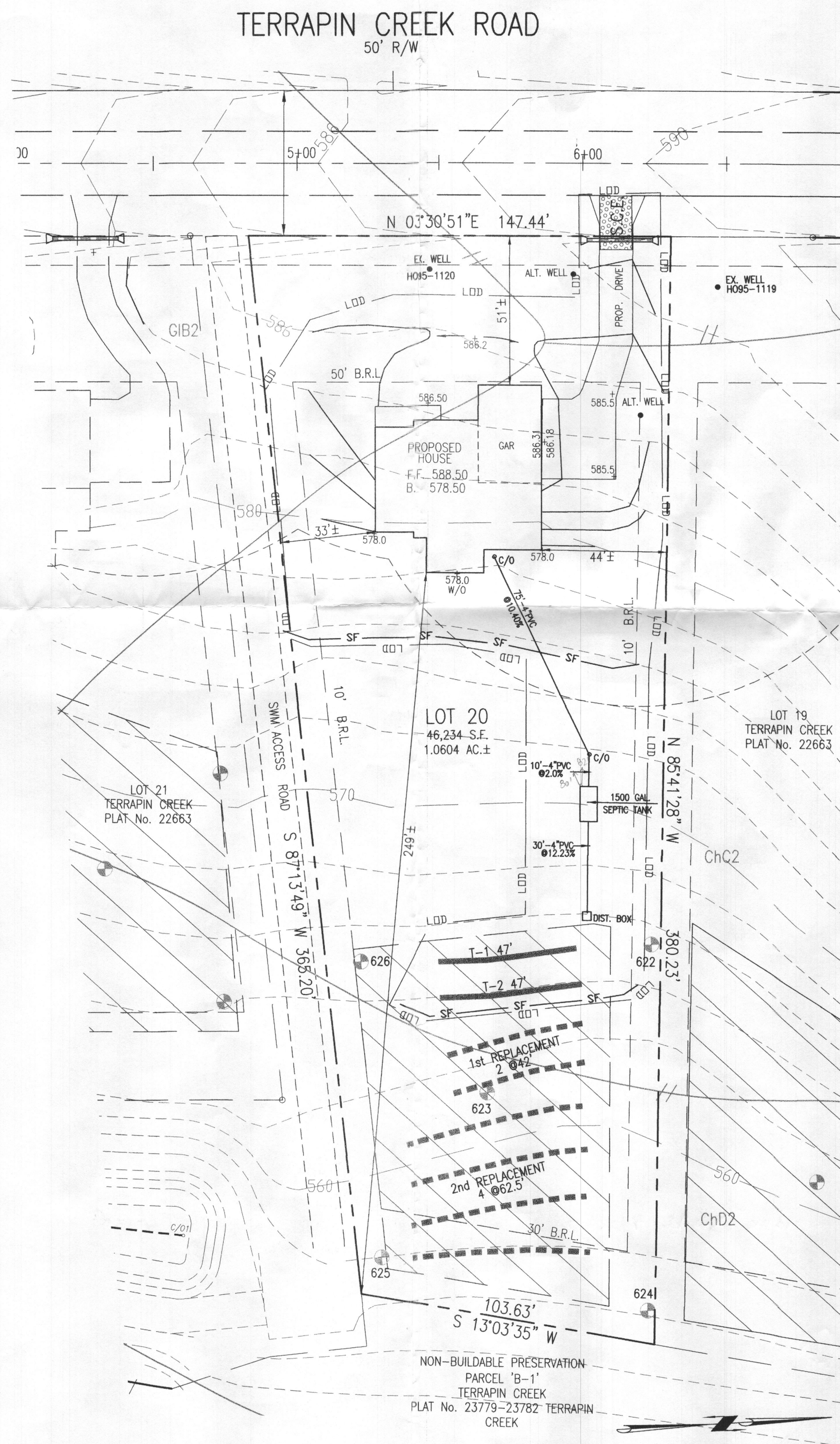
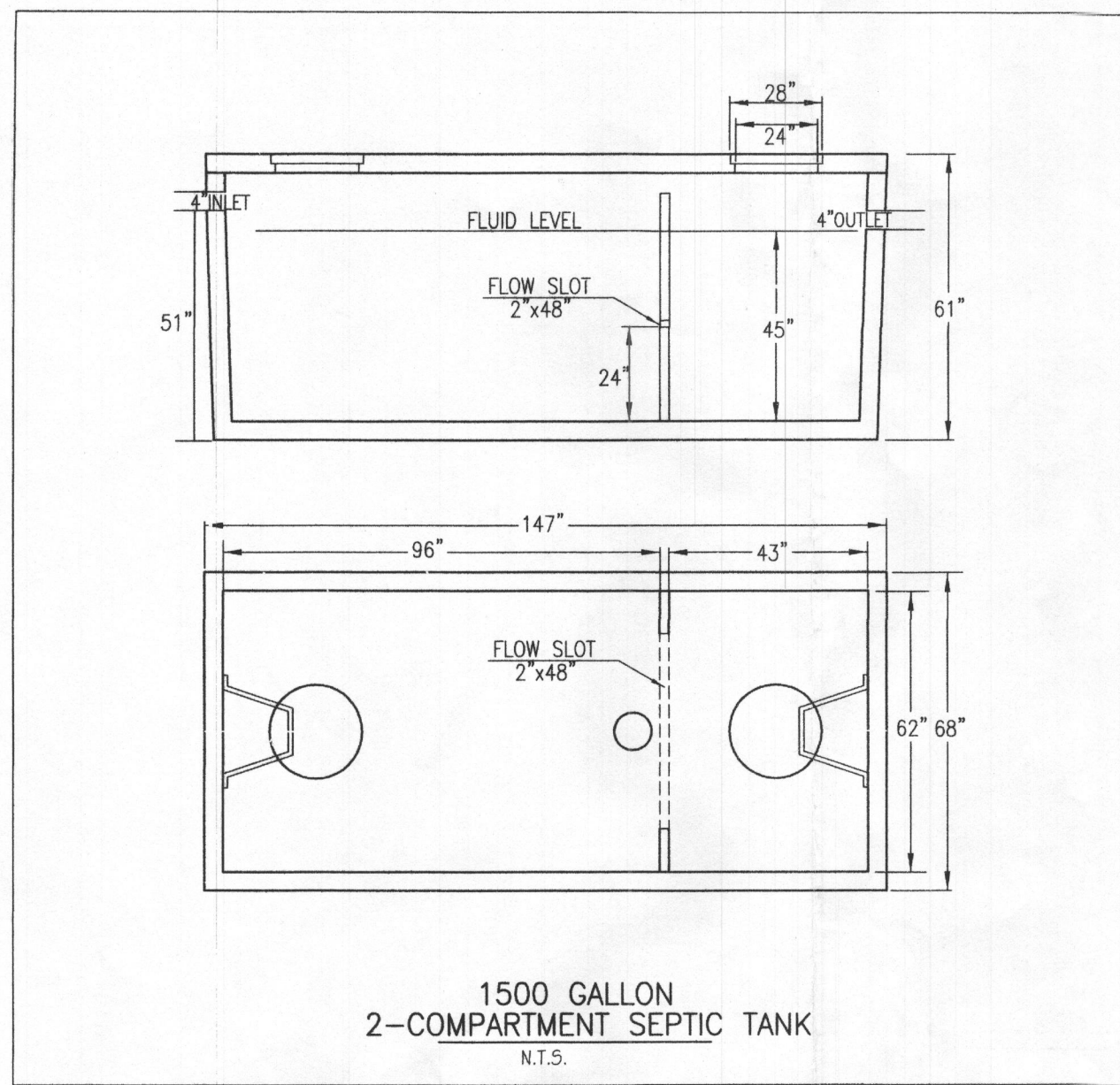
Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S.
Bureau of Environmental Health
Well & Septic Program

Hank Oswald, L.E.H.S.
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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) = 19,500 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.
- DRIVEWAY CULVERT DESIGNED BY DEVELOPER UNDER PLAN F-07-086.

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS = 4
APPLICATION RATE = 1.2 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
600 GPD / 1.2 GPD/sq.ft. = 500 sq.ft.
500 sq.ft. / 3 ft. WIDE TRENCH = 167 LF TRENCH
167 LF TRENCH X 0.56 REDUCTION CREDIT = 94 LF TRENCH
TRENCH 1 (T1) EX. GRD=565.0 -INV. TRENCH=561.0 -B. TRENCH=558.0
TRENCH 2 (T1) EX. GRD=564.0 -INV. TRENCH=560.0 -B. TRENCH=557.0

1st REPLACEMENT
INITIAL NUMBER OF BEDROOMS = 4
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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
167 LF TRENCH X 0.50 REDUCTION CREDIT = 84 LF TRENCH
TRENCH 1 EX. GRD=560.5 -INV. TRENCH=556.5 -B. TRENCH=553.5
TRENCH 2 EX. GRD=559.5 -INV. TRENCH=555.5 -B. TRENCH=552.5
TRENCH 3 EX. GRD=558.8 -INV. TRENCH=554.8 -B. TRENCH=551.8
TRENCH 4 EX. GRD=558.0 -INV. TRENCH=554.0 -B. TRENCH=551.0

2nd REPLACEMENT

INITIAL NUMBER OF BEDROOMS = 4
APPLICATION RATE = 1.2 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.
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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-95-1120) 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
Mark Oswald 7/25/17
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: 9-18-17.

DATE	REVISIONS
7/11/17	HO CO HEALTH DEPT.
7/25/17	HO CO HEALTH DEPT.



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

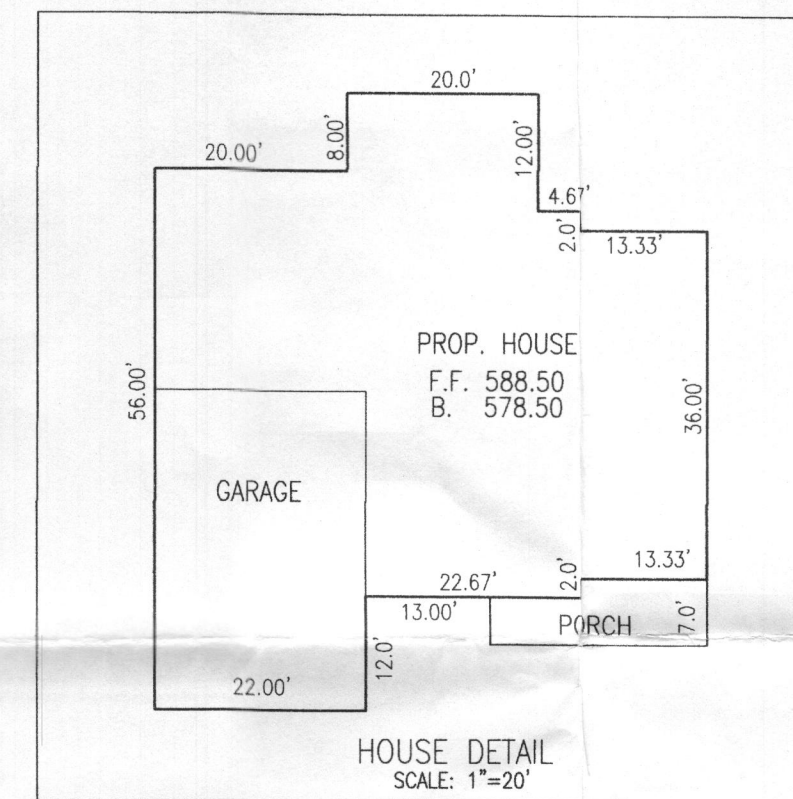
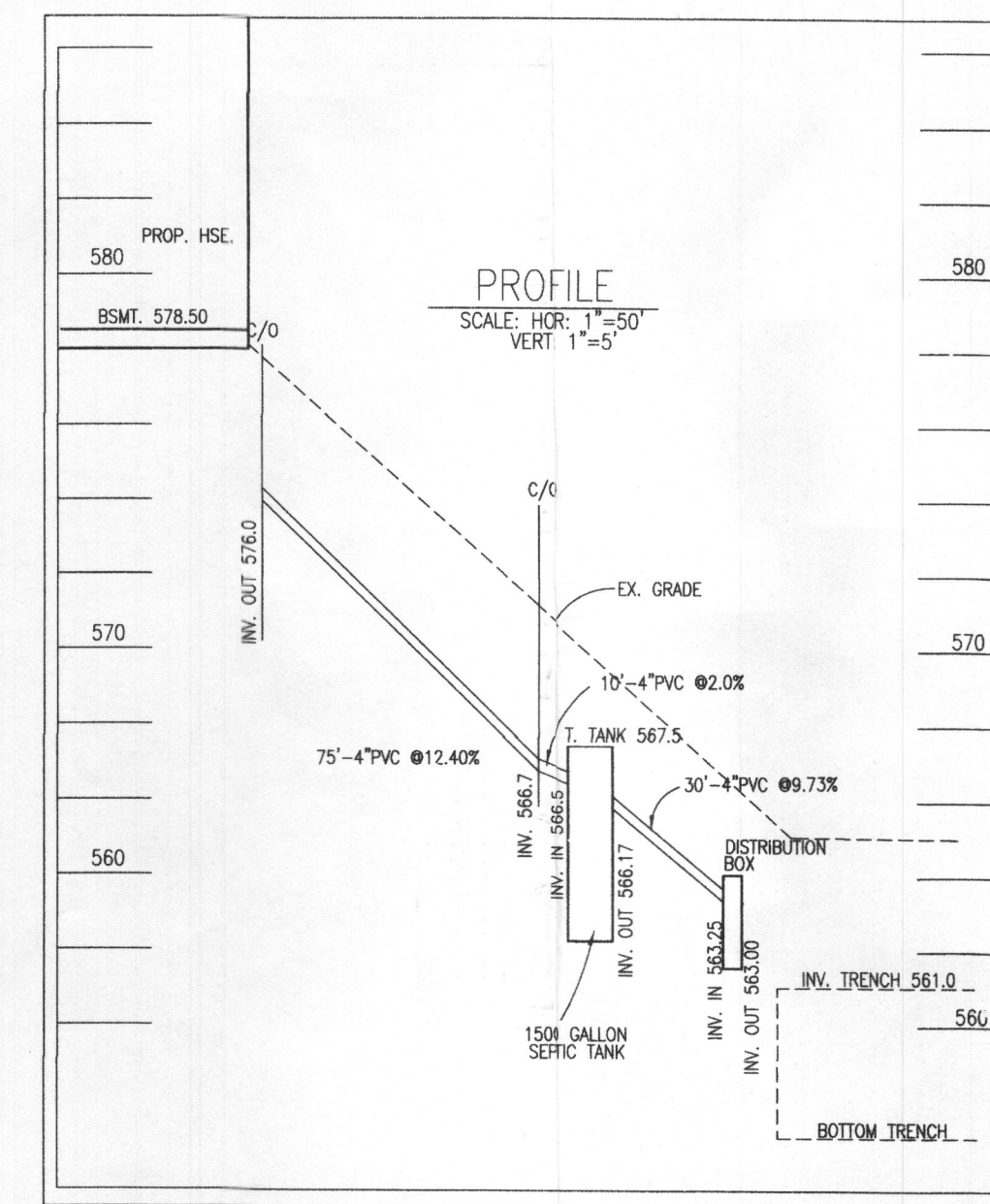
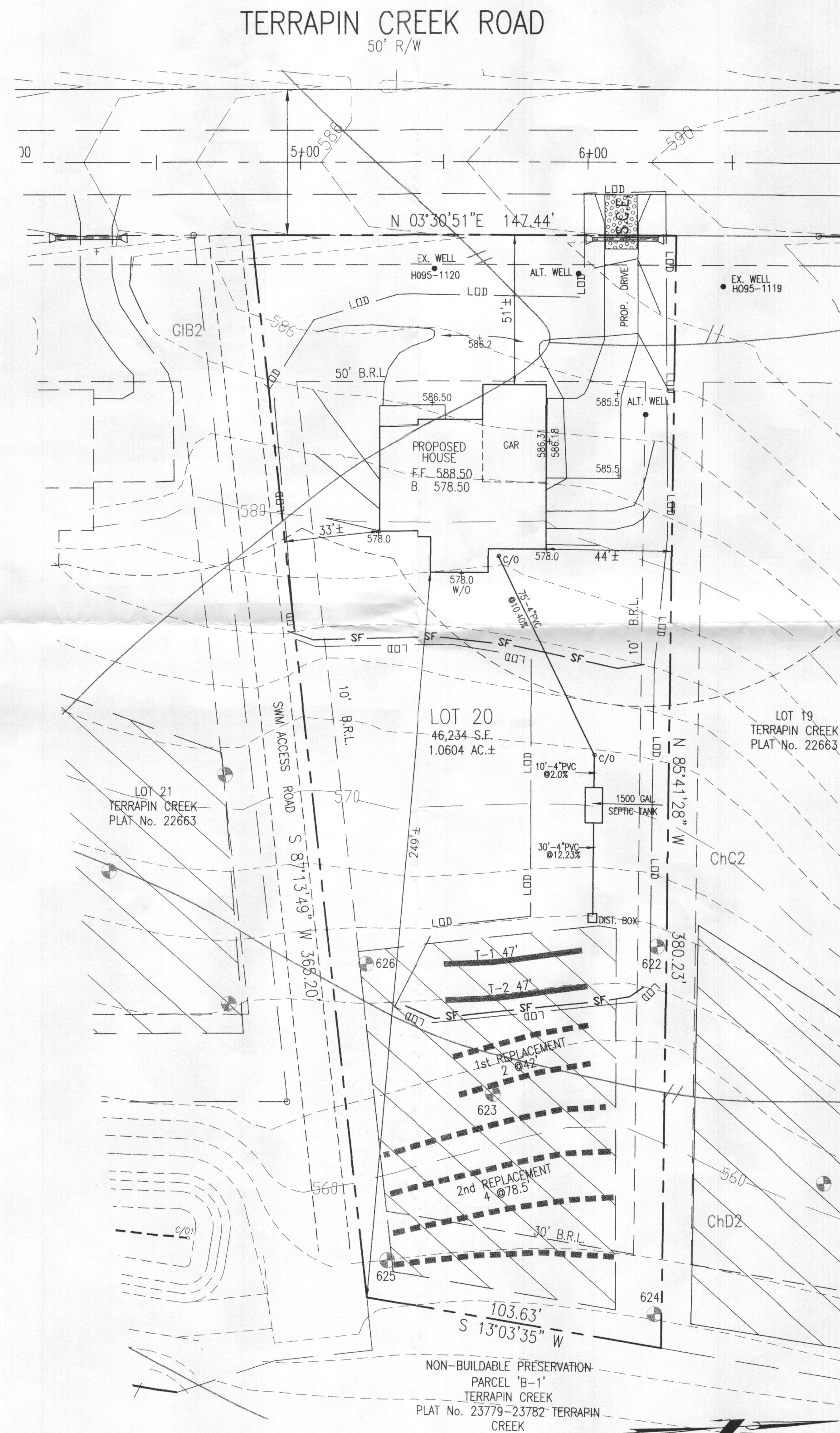
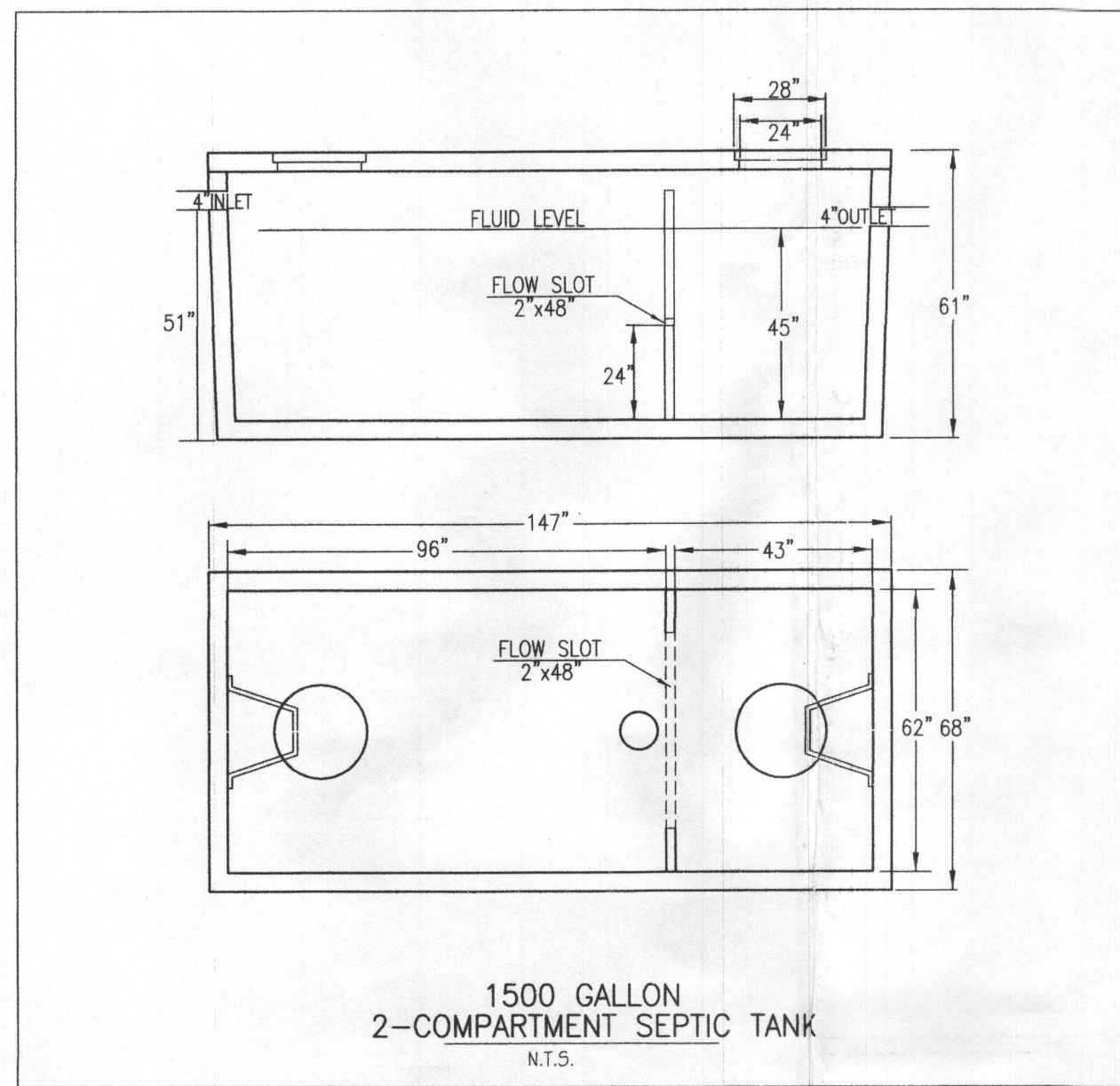
DEVELOPER:
CATONVILLE HOMES
11175 STRATFIELD CT.
MARRIOTTVILLE, MD. 21104
410-442-2211

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

LOT 20
TERRAPIN CREEK
PLAT 22661 - 22664
TAX ID No. 03-285774
2014 TERRAPIN CREEK ROAD
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' JUNE, 2017



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 828-2890 (301) 831-5015 (410) 549-2751
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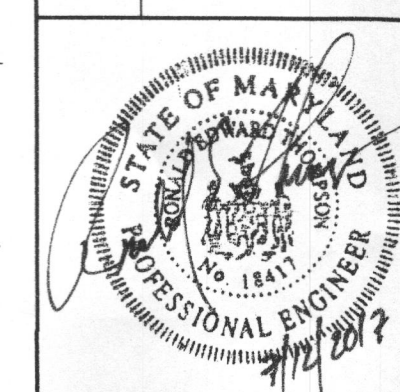
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DATE 7/11/17
REVISIONS HO CO HEALTH DEPT.



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8601 GEORGIA AVENUE
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DEVELOPER:
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