



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: 3/21/2019 **ONSITE SEWAGE DISPOSAL SYSTEM** P 564799
 APPROVAL DATE: 03/28/2019 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 14522 OLD FREDERICK ROAD, COOKSVILLE, MD 21273
 SUBDIVISION: QUARTZ HILL III LOT: 3 TAX ID: 04-596402
 CONTRACTOR: _____ EMAIL: _____
 CONTRACTOR ADDRESS: _____ PHONE: _____
 PROPERTY OWNER: CATONSVILLE HOMES, LLC EMAIL: fpotepan@catonsvillehomes.com
 OWNER ADDRESS: 11175 STRATFIELD CT, MARRIOTSVILLE, MD 21104 PHONE: (410)442-2211
 SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: TBD
 PUMP MODEL: N.A. PUMP SIZE N.A. PUMP TANK CAPACITY: N.A.

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

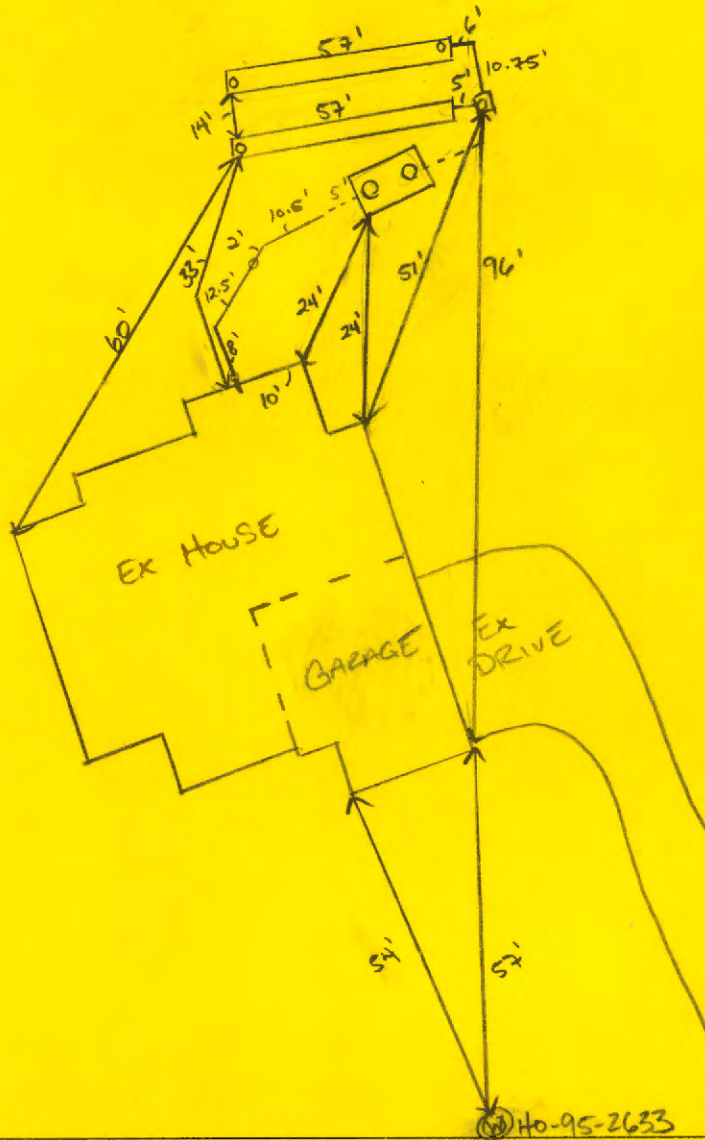
TRENCHES:	LINEAR FEET REQUIRED: <u>105</u>	INLET DEPTH: <u>4.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: R BRICKER ISSUE DATE: 3/21/2019 EXPIRATION DATE: 3/21/2020

- 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



ROAD NAME
OLD FREDERICK ROAD

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		114 ft
ABSORPTION AREA		342 ft ²
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	DN 1
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	INLET
WATERTIGHT TEST	---
SLOTTED	YES
DATE ON LID	APPROVED 2/15/2019

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:

03/22/2019 TANK LOCATION + D BOX PLACEMENT MARKED. TRENCHES FLAGGED ON CONTOUR. OK TO START. (10)

INSTALLATION:

03/25/2019 SHC INSTALLED AND 4" SCH 40 PVC INSTALLED TO TANK LOCATION. TANK TO ARRIVE AFTER INSP. OK TO COVER DUE TO RAIN FORECAST IN AFTERNOON. REINS? TANK, D BOX AND TRENCHES (10)
 03/28/2019 (AM) CONSTRUCTION ON UPPER TRENCH (10) (PM) D BOX LEVELLED W/ SPEED LEVELS. HAD A QUESTION ABOUT ^{POSSIBLE} PIN PRICK LEAK IN D BOX. NO FURTHER WATER LEVEL RECESSION OBSERVED AFTER LEVELING D BOX. UPPER TRENCH COMPLETE. OK TO BACKFILL. (10)

FINAL INSPECTOR

DATE OF APPROVAL

03/28/2019



- NOTES:
- 1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.
 - 2) BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.
 - 3) TOP OF WALL = 593.24

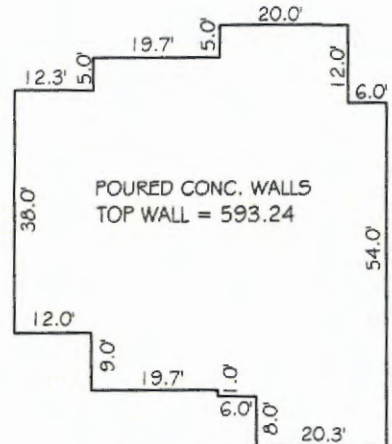
wall check OK
3/21/19
TJB

PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE 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. 21512, EXPIRATION DATE AUGUST 4, 2019 IN ACCORDANCE WITH COMAR 09.13.06.12

Jeffery W. Elkins 11/30/2018

For VanMar Associates, Inc.
 Jeffery W. Elkins, Prof. Land Surveyor



HOUSE DETAIL
 SCALE: 1" = 30'

OLD FREDERICK ROAD
 MD SHA PLAT NO. 56161

**WALL CHECK DRAWING
 LOT 3
 QUARTZ HILL**

PLAT No. 22814
 14522 OLD FREDERICK ROAD
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' NOVEMBER, 2018

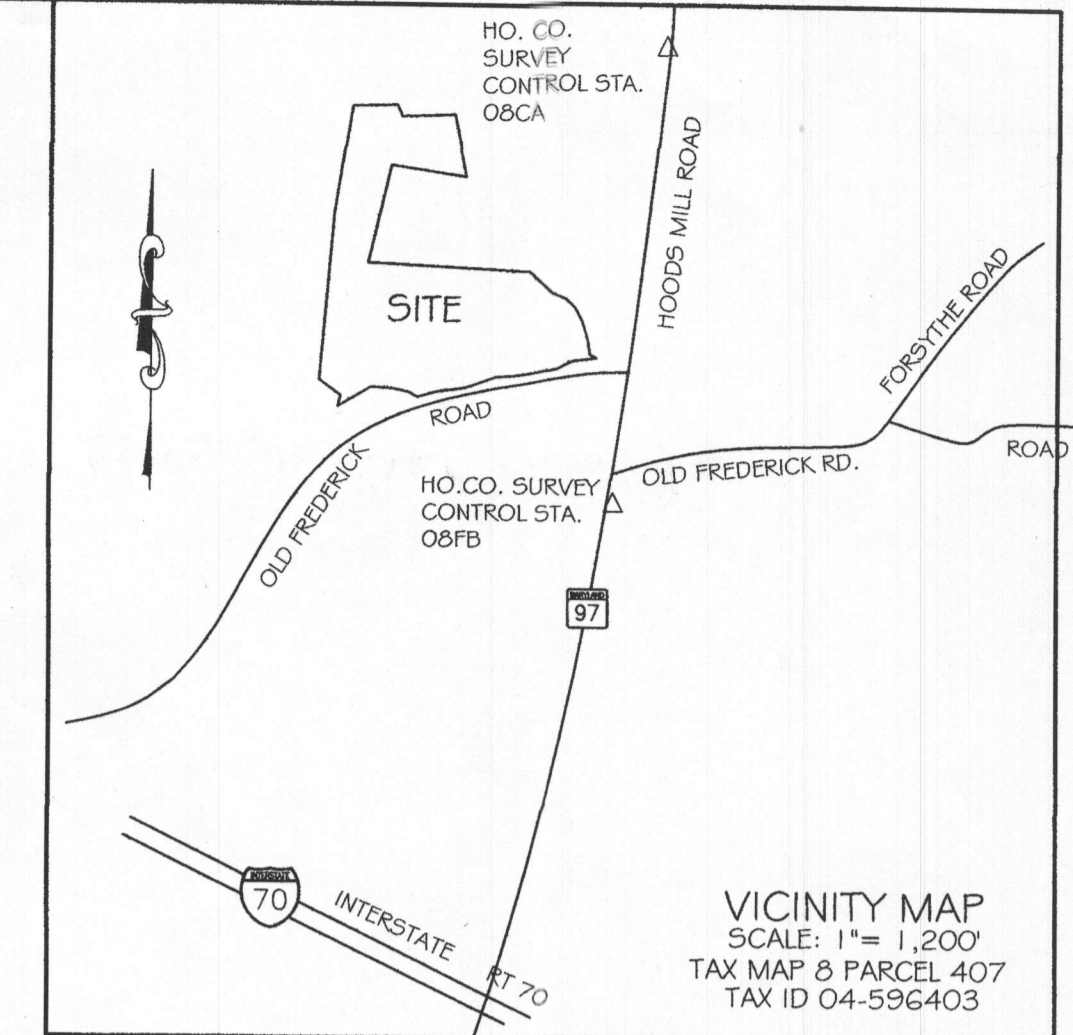
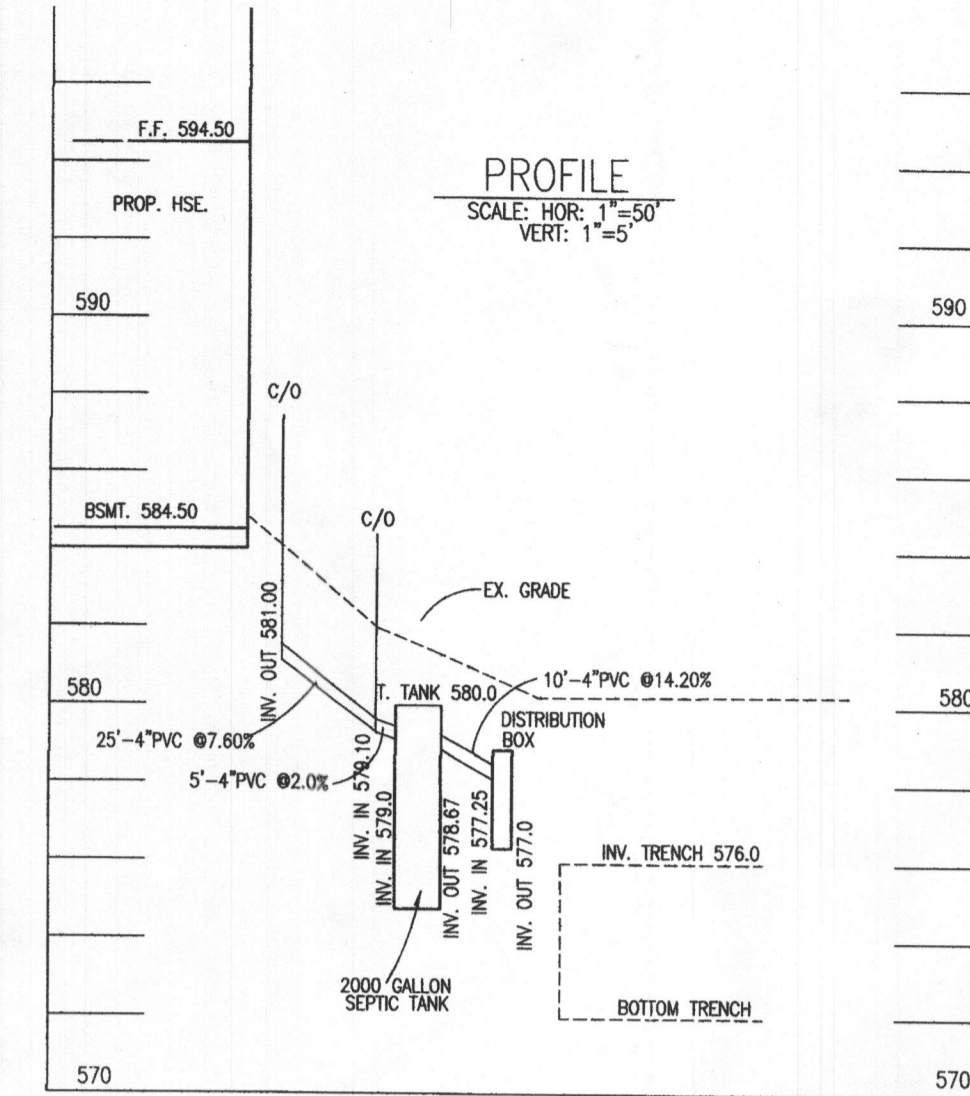
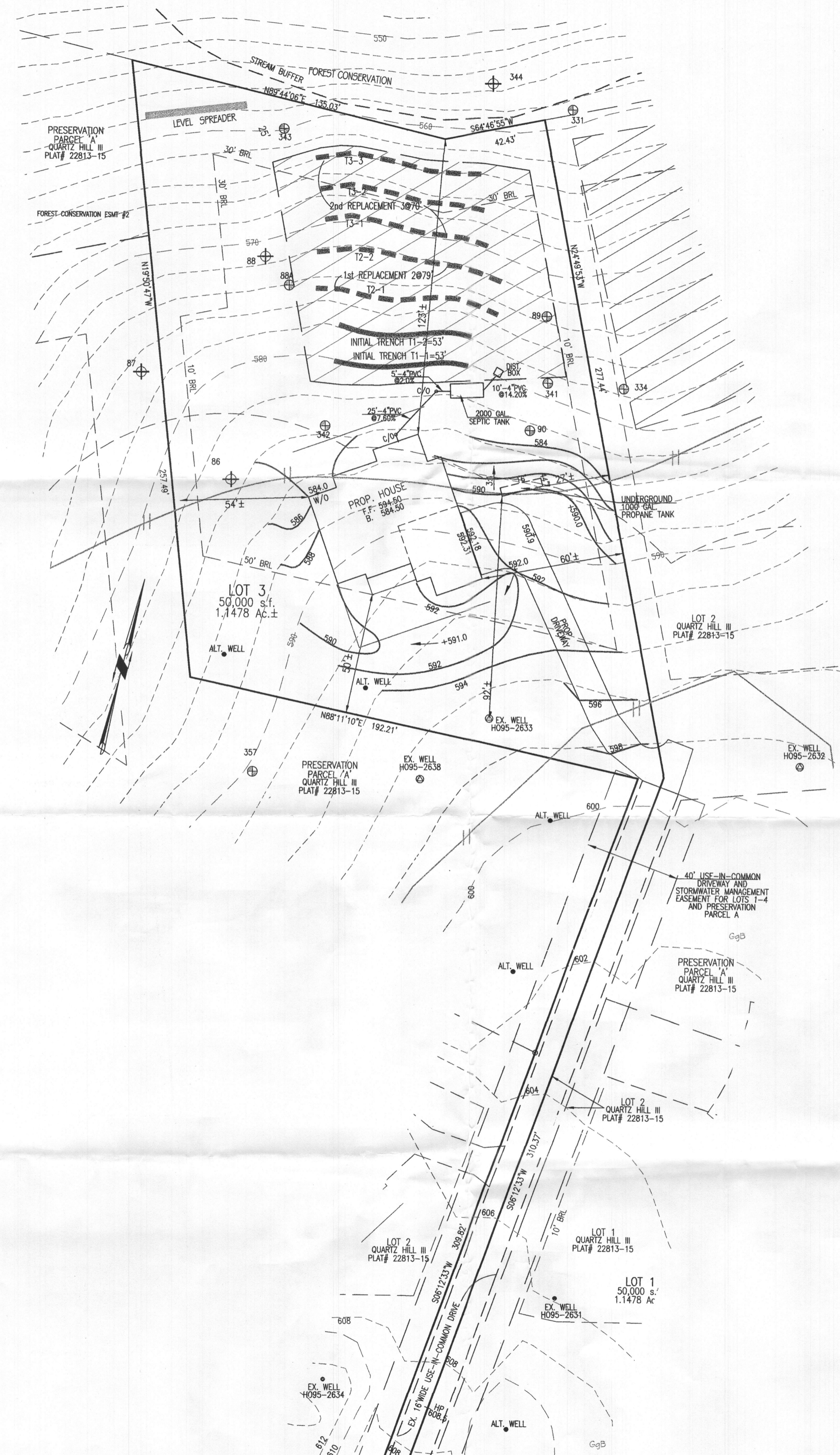
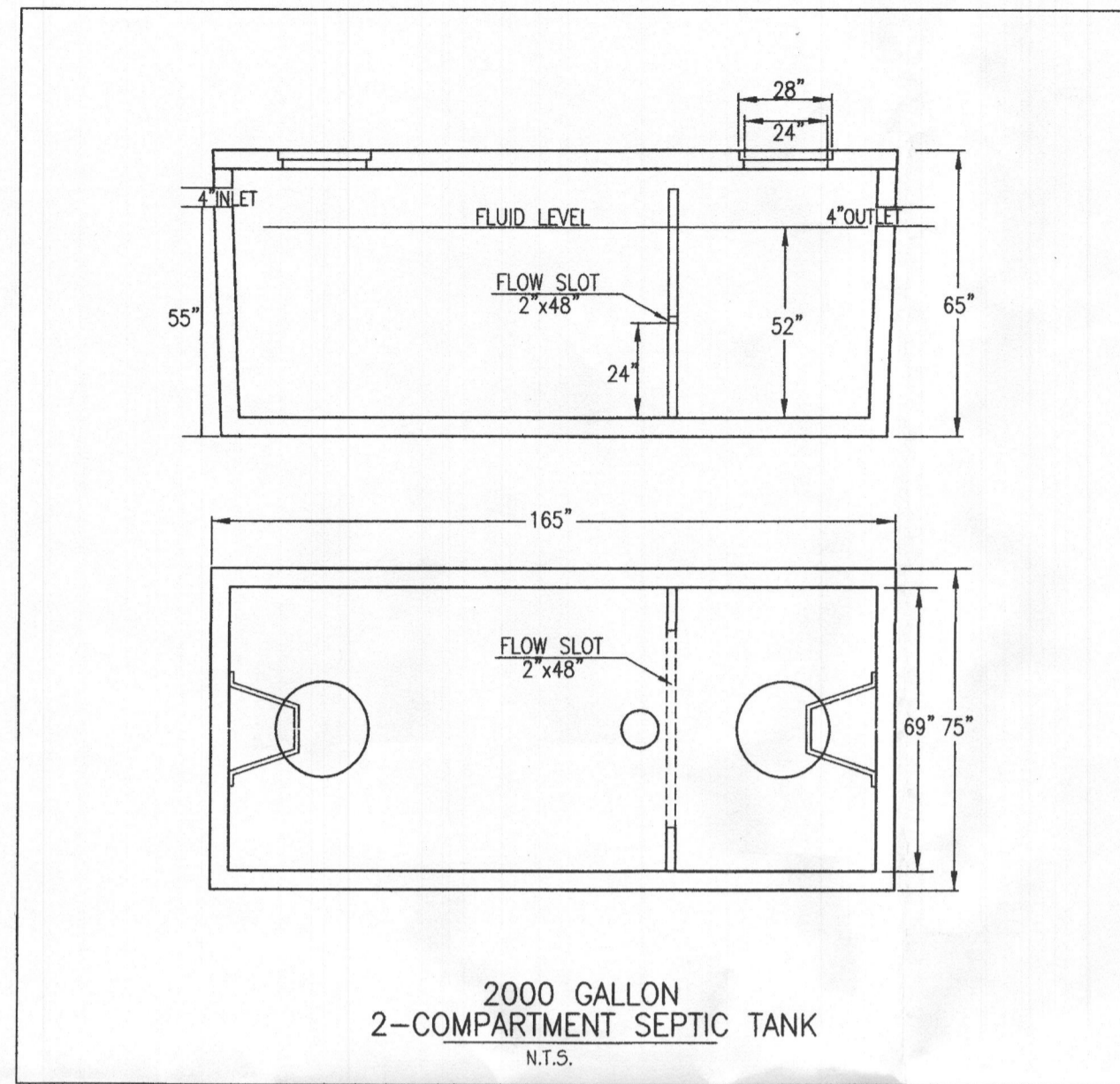
I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

REFERENCE	JOB NO.
PLAT NO. 22814	B6-5595



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 549-2751
 © Copyright, Latest Date Shown

C:\Autodesk\Jobs\B6-5595 Quartz Hill\dwg\Lot 3c.dwg, 11/30/2018 5:44:09 PM, 1:1

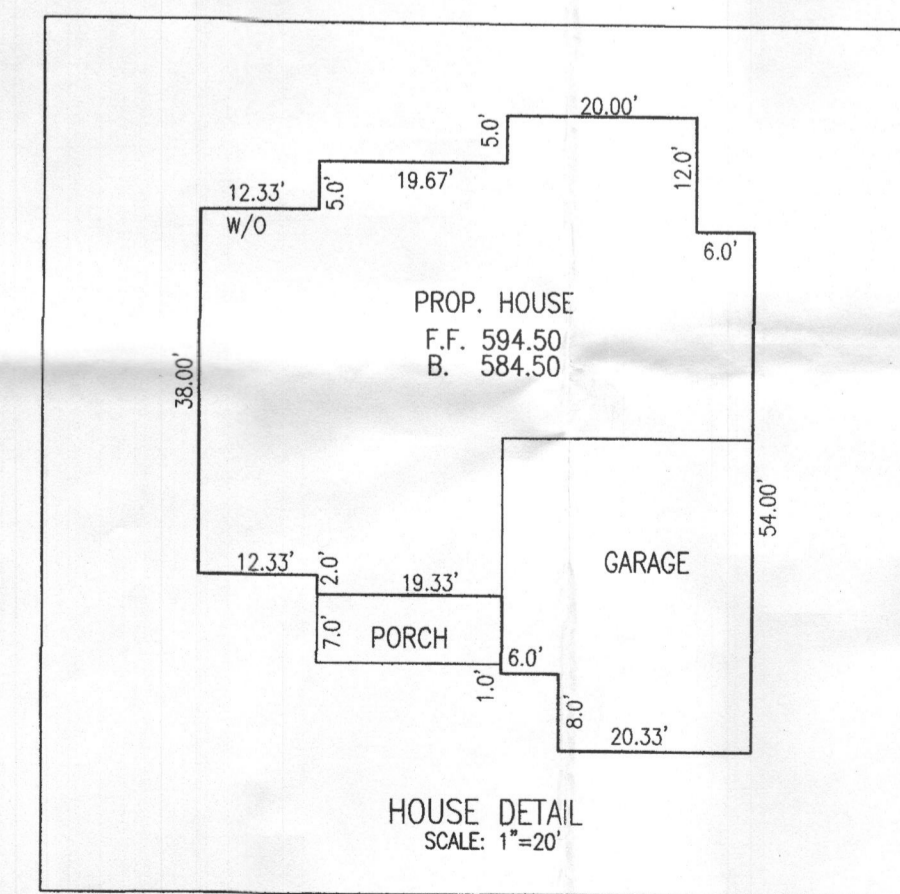


- GENERAL NOTES:**
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD88.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - ZONING DISTRICT: RC-DEO
 - LIMIT OF DISTURBANCE (LOD) = 23,900 SQ.FT.
 - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
 - STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY N-2 NON-ROOFTOP DISCONNECTION AND N-3 SHEETFLOW TO BUFFER.

- SEPTIC SYSTEM TRENCH DESIGN**
- INITIAL NUMBER OF BEDROOMS = 6**
 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 0.42 REDUCTION CREDIT = 105 LF TRENCH
 TRENCH T-1 EX. GRD=580.0 -INV. TRENCH=576.0 -B. TRENCH=572.0
 TRENCH T-2 EX. GRD=578.0 -INV. TRENCH=574.0 -B. TRENCH=570.0
- 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 0.63 REDUCTION CREDIT = 158 LF TRENCH
 TRENCH 2-1 EX. GRD=575.0 -INV. TRENCH=571.0 -B. TRENCH=569.0
 TRENCH 2-2 EX. GRD=572.0 -INV. TRENCH=568.0 -B. TRENCH=566.0

- 2nd 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 0.83 REDUCTION CREDIT = 208 LF TRENCH
 TRENCH 3-1 EX. GRD=570.0 -INV. TRENCH=566.0 -B. TRENCH=564.0
 TRENCH 3-2 EX. GRD=567.0 -INV. TRENCH=563.0 -B. TRENCH=561.0
 TRENCH 3-3 EX. GRD=564.0 -INV. TRENCH=560.0 -B. TRENCH=558.0

- 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-95-2633) 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.



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. 19417, Expiration Date: 3-18-19.

Approved Septic System Plan
 Howard County Health Department
 Conventional system
 for 6-bedroom SFD
 gravity distribution
 R. Butler 11/1/18
 Signature Date
 B18003156