

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: 02/19/2020 **ONSITE SEWAGE DISPOSAL SYSTEM** P 567317
 APPROVAL DATE: 02/28/2020 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 14562 OLD FREDERICK ROAD, COOKSVILLE, MD 21723
 SUBDIVISION: QUARTZ HILL III LOT: 7 TAX ID: 04-596406
 CONTRACTOR: WTC Contractors EMAIL: _____
 CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-458-7024
 PROPERTY OWNER: CATONSVILLE HOMES LLC EMAIL: pwalter@catonsvillehomes.com
 OWNER ADDRESS: 11175 STRATFIELD CT, MARRIOTTSVILLE, MD 21104 PHONE: (410)442-2215
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: TBD
 PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>119</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</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: R BRICKER ISSUE DATE: 2/19/20 EXPIRATION DATE: 2/19/20

- 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.**

270180270180

NOT TO SCALE

SEE ATTACHED
AS BUILT

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3	2.5	8
NUMBER OF TRENCHES 2		
TOTAL LENGTH 130F		
ABSORPTION AREA 360 SF + SIDE W/LL		
DISTRIBUTION BOX LEVEL SPEED		
DISTRIBUTION BOX BAFFLE YES		
DISTRIBUTION BOX PORT YES		

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL

MANUFACTURER BABYLOON

CAPACITY 1500 GAL

SEAM LOC TOP

TANK LID DEPTH 21.5'

BAFFLES YES

BAFFLE FILTER NO

MANHOLE LOC FRONT/BACK

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED YES

DATE ON LID 12/17/2019

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 _____

02/26/2020 SDA STAKED. LAID OUT 2X 60' TRENCHES. PAINT AND STAKED. TANK TO BE SET BY COR. SDA. OK TO START (P)

INSTALLATION: 02/27/2020 SDC AND TANK INSTALLED AND SET. (P)
02/28/2020 UPPER AND LOWER TRENCH COMPLETE. TANK BAFFLES CONFIRMED. D BOX LEVELED WITH SPEED LEVELS. (P)
VERBAL CONFIRM 2.5' INLET. (P)

FINAL INSPECTOR

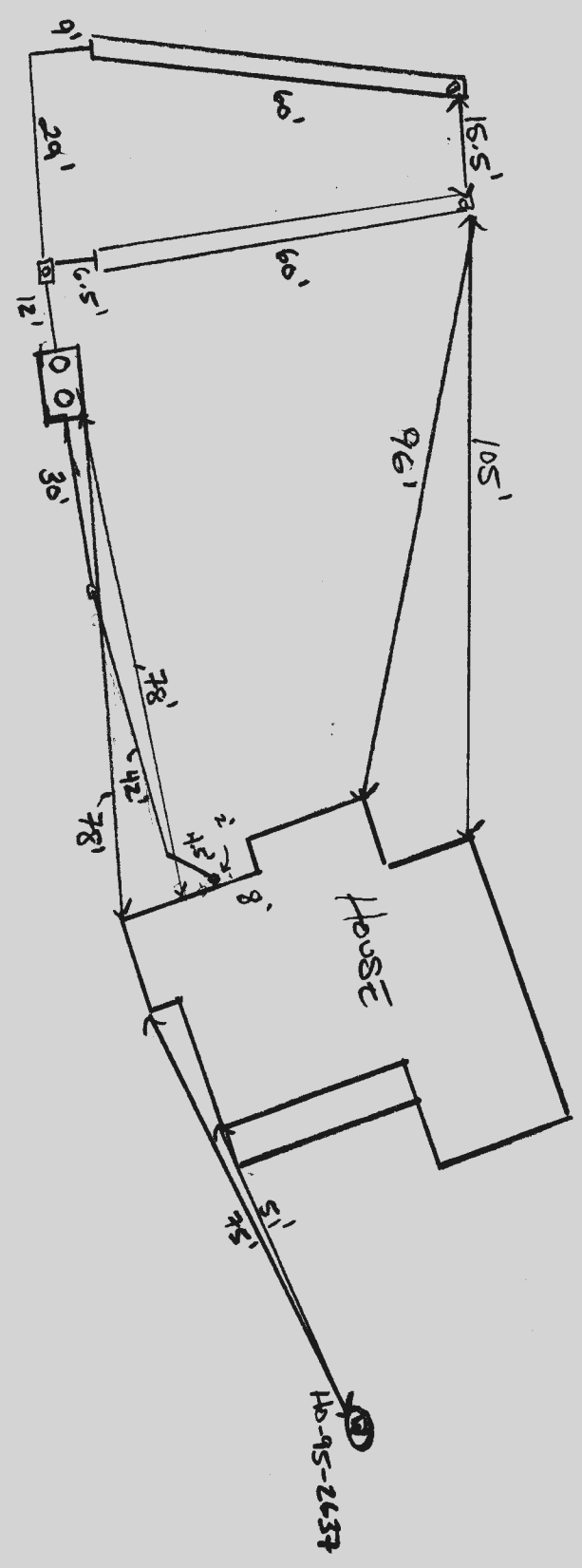
DATE OF APPROVAL

02/28/2020

14562 OLD FREDERICK ROAD

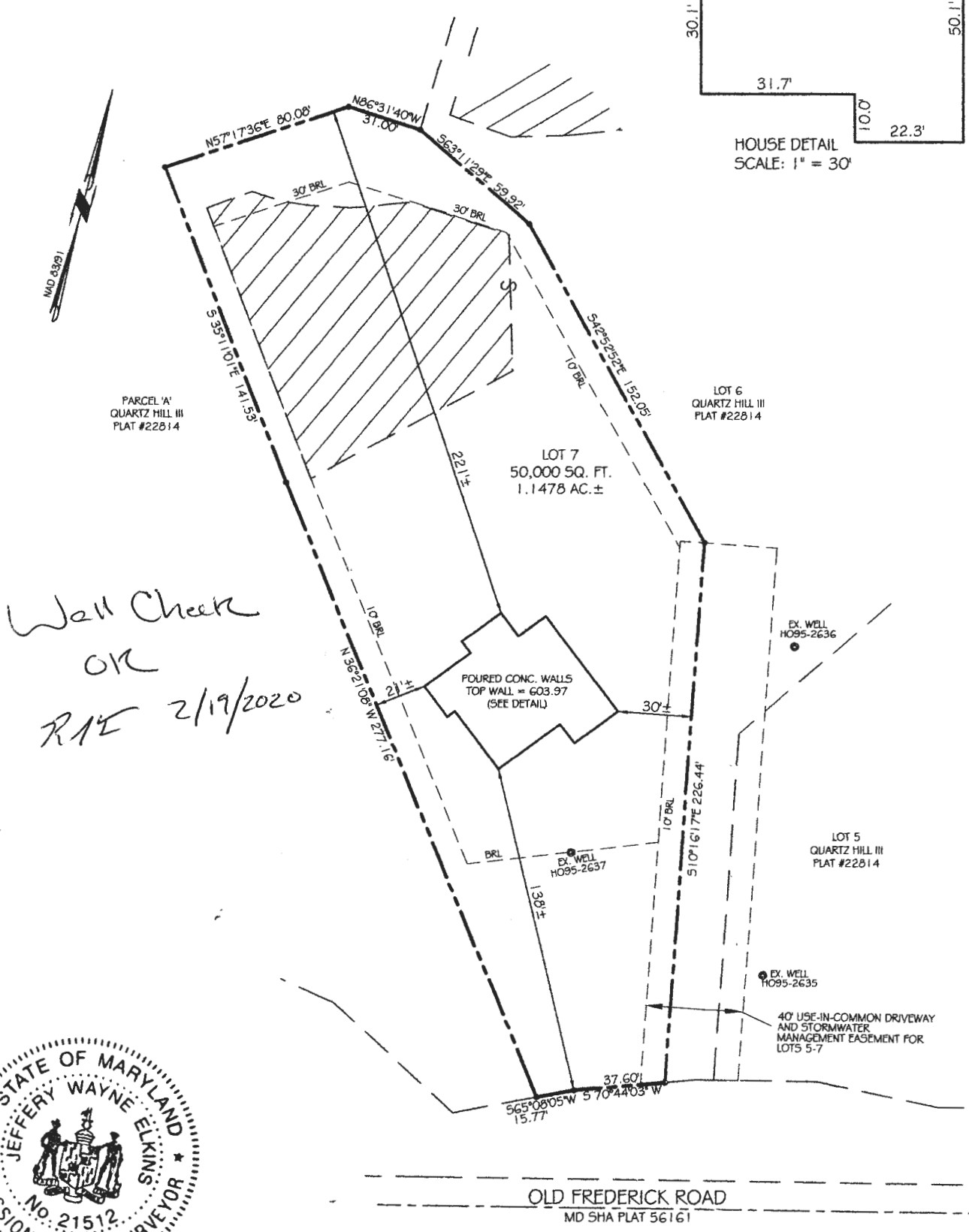
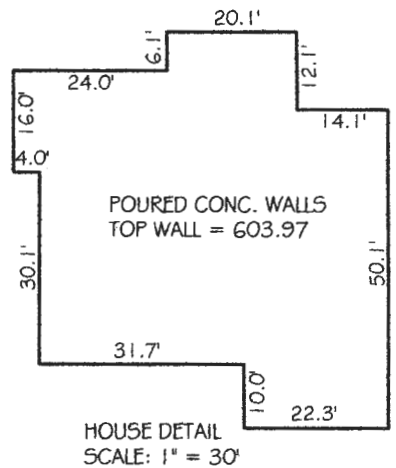
21,30

NOT TO SCALE



NOTES:

- 1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.
- 2) BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.
- 3) TOP OF WALL = 603.97



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, 2021 IN ACCORDANCE WITH COMAR 09.13.06.12

Jeffery W. Elkins 2/17/2020
 For VanMar Associates, Inc. Date
 Jeffery W. Elkins, Prof. Land Surveyor

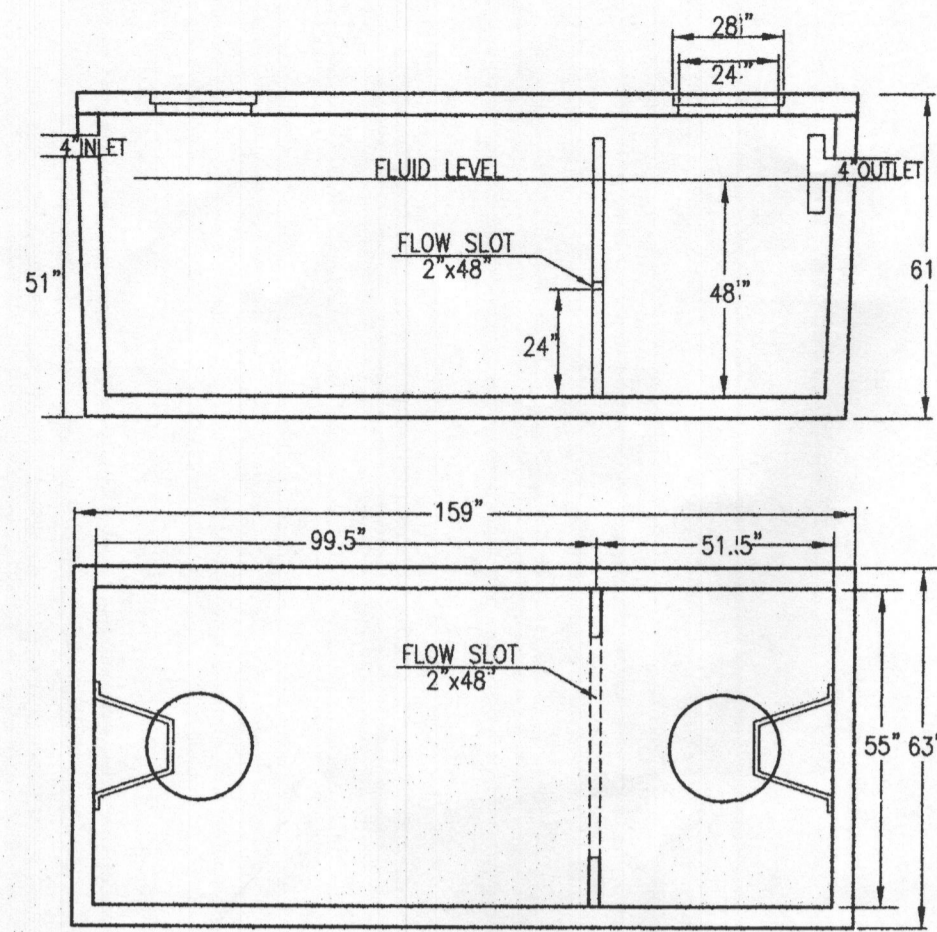
WALL CHECK DRAWING
 LOT 7
 QUARTZ HILL III
 PLAT No. 22814
 14562 OLD FREDERICK ROAD
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 60' FEBRUARY, 2020

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.

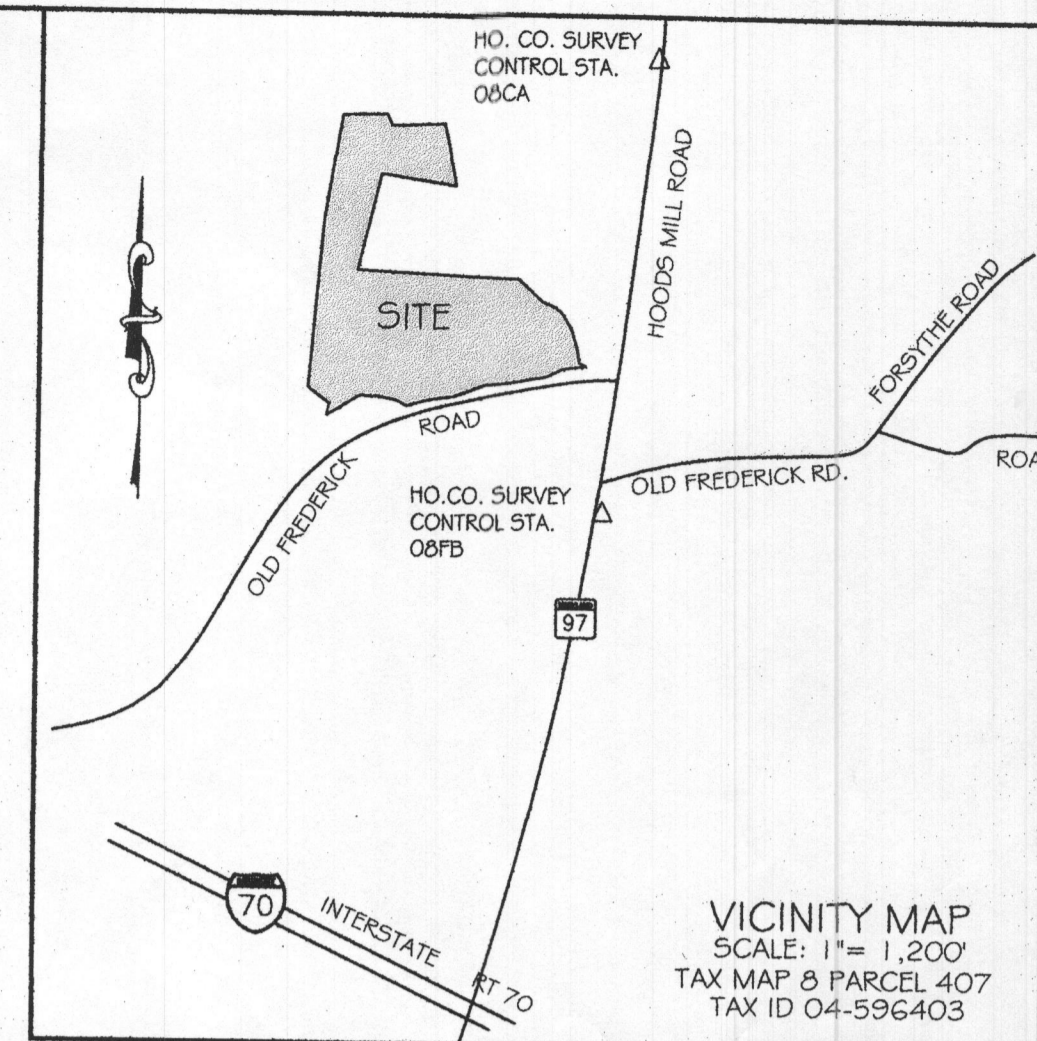
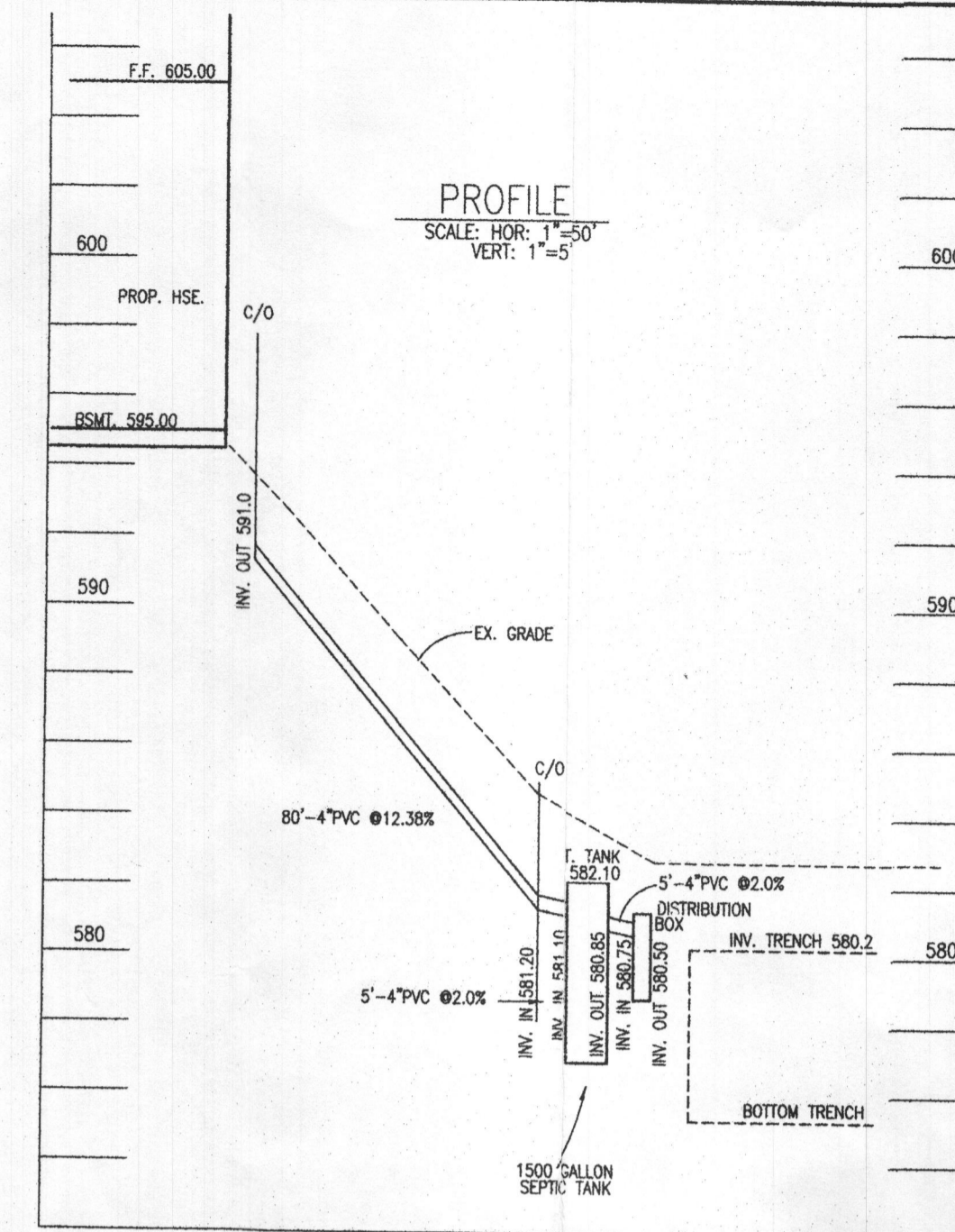
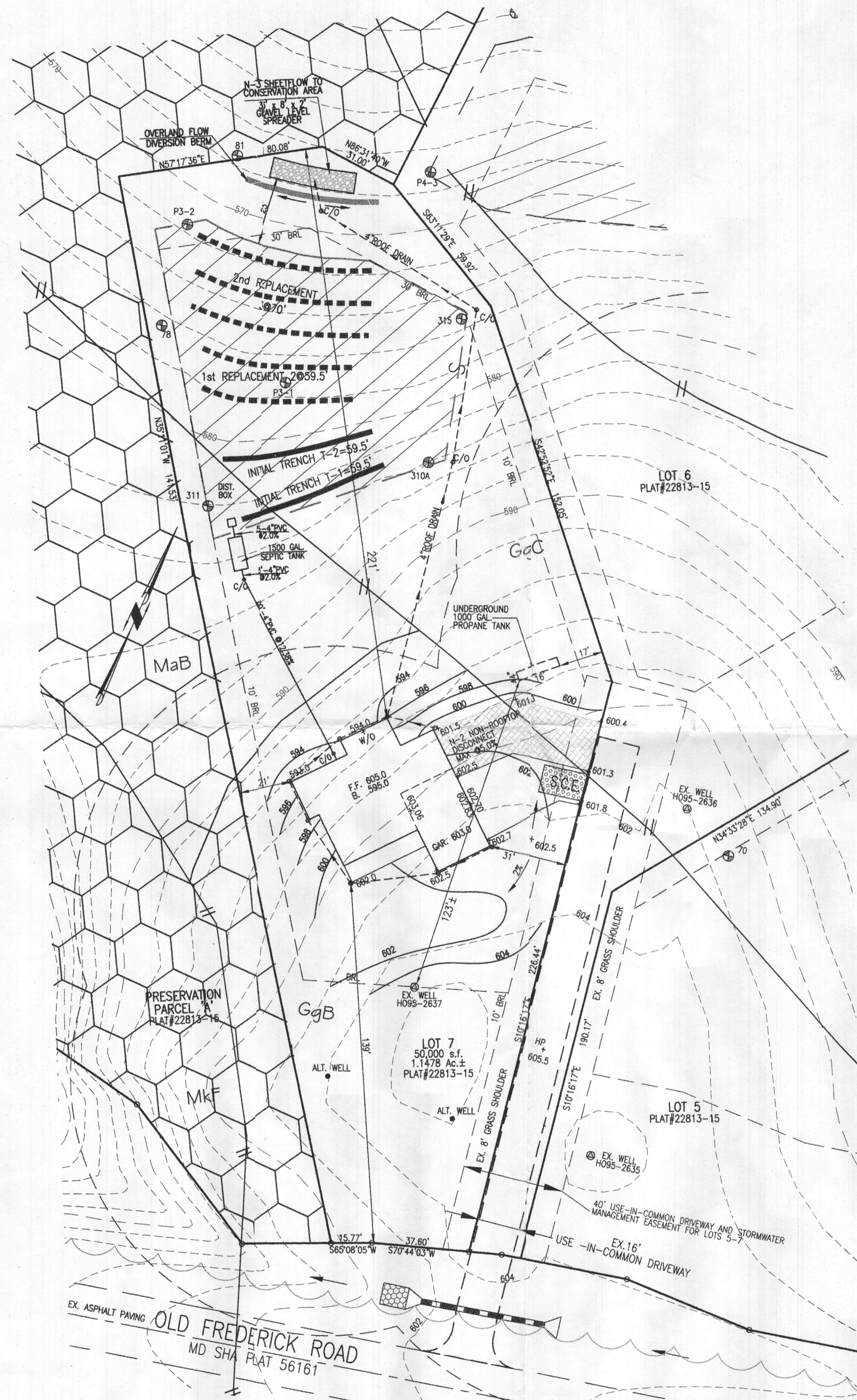


VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 549-2751
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REFERENCE	JOB NO.
PLAT NO. 22814	B6-5595



1500 GALLON
2-COMPARTMENT SEPTIC TANK
N.T.S.



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) = 17,500 SQ.FT.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
- STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY N-1 ROOFTOP DISCONNECTION, N-2 NON-ROOFTOP DISCONNECTION AND N-3 SHEETFLOW TO CONSERVATION AREA.

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS = 5
 APPLICATION RATE = 0.8 GPD / sq.ft.
 DESIGN FLOW: 150 GPD X 5 BEDROOMS = 750 GPD
 750 GPD / 0.8 GPD/sq.ft. = 937.5 sq.ft.
 937.5 sq.ft. / 3 ft. WIDE TRENCH = 312.5 LF TRENCH
 312.5 LF TRENCH X 0.38 REDUCTION CREDIT = 119 LF TRENCH
 TRENCH T1-1 EX. GRD=582.7 -INV. TRENCH=580.2 -B. TRENCH=574.7
 TRENCH T1-2 EX. GRD=580.5 -INV. TRENCH=578.0 -B. TRENCH=572.5

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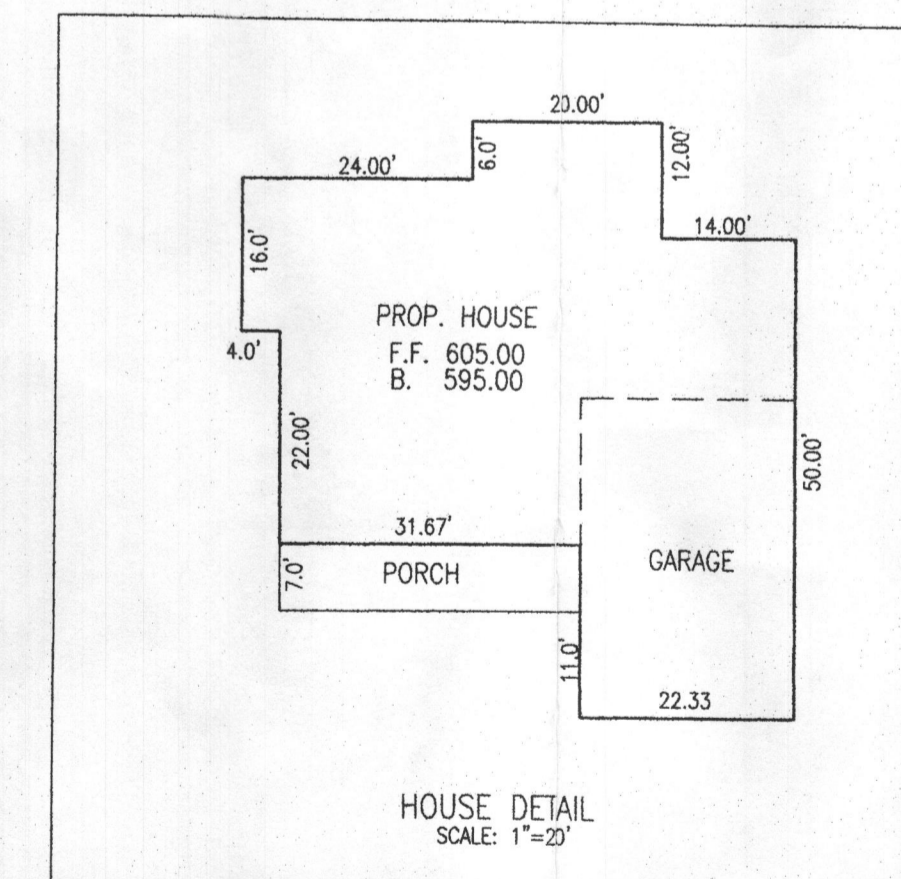
2nd REPLACEMENT

APPLICATION RATE = 0.6 GPD / sq.ft.
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Approved Septic System Plan
 Howard County Health Department
 1500-gal Septic Tank
 To Gravity Drain Field
 For 5-Bedroom SFD
 R. B. [Signature] 1/17/2020
 Signature Date

SITE PLAN NOTES:

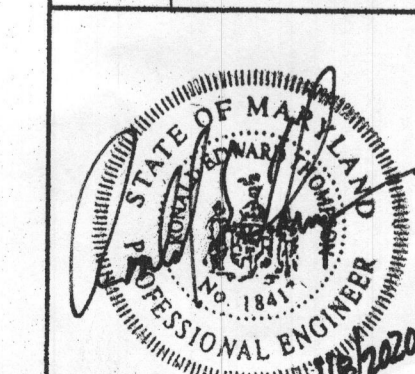
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HOUSE DETAIL
SCALE: 1"=20'

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: 9-18-21.

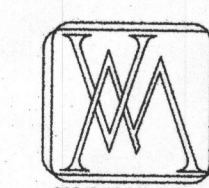
DATE	REVISIONS
12/10/19	HO COMMENTS
02/01/20	No. BEDROOMS

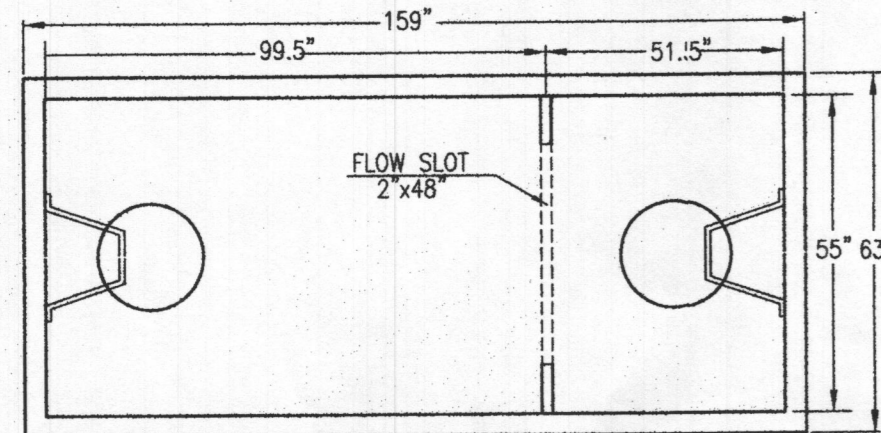
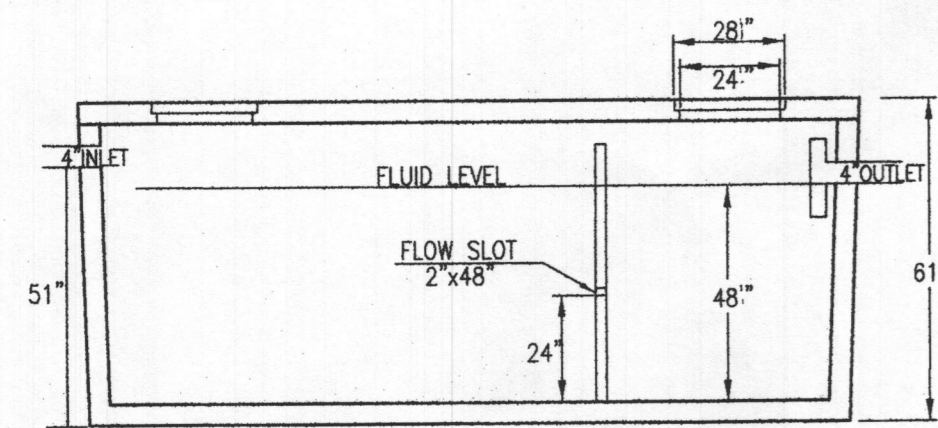


OWNER / DEVELOPER:
 CATONSVILLE HOMES
 11175 STRATFIELD CT.
 MARRIOTTSVILLE, MD. 21104
 410-442-2211

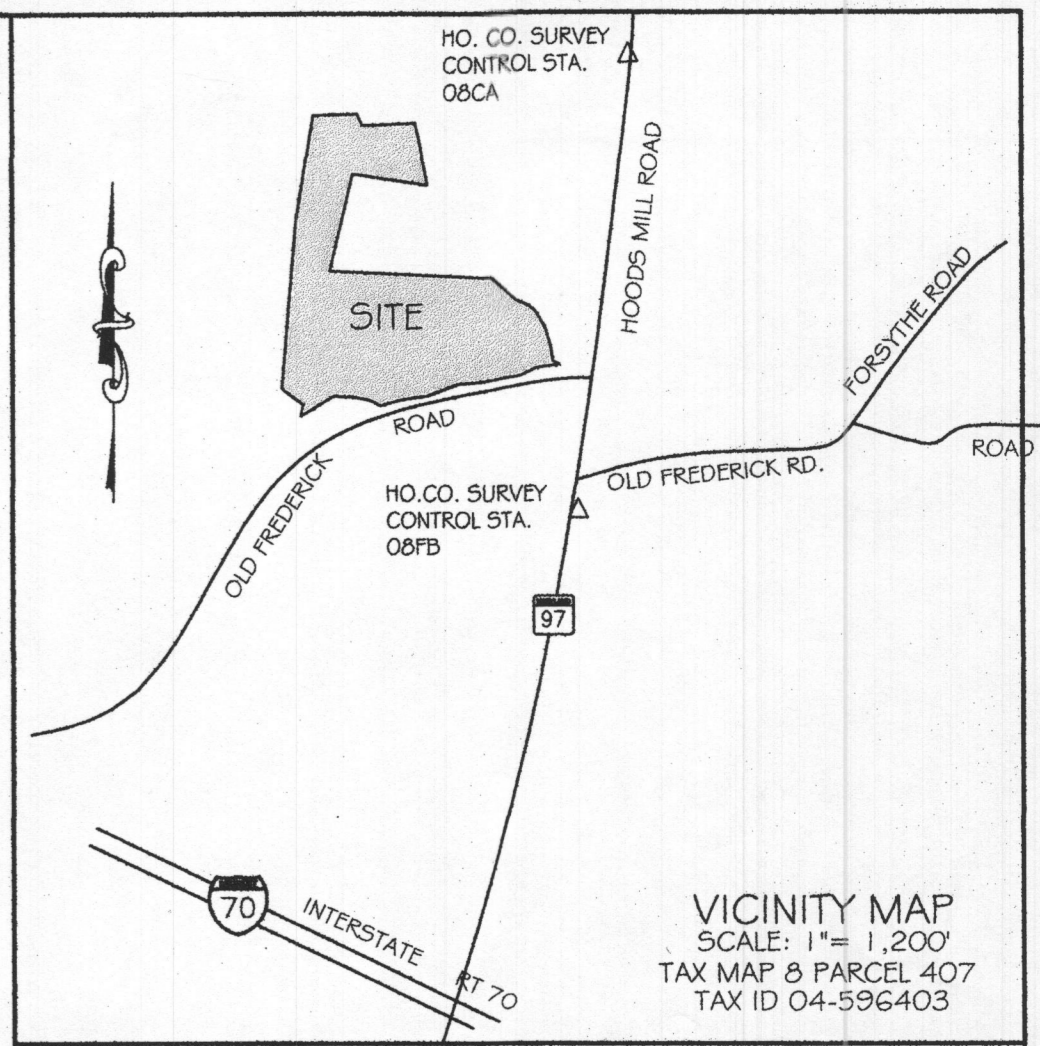
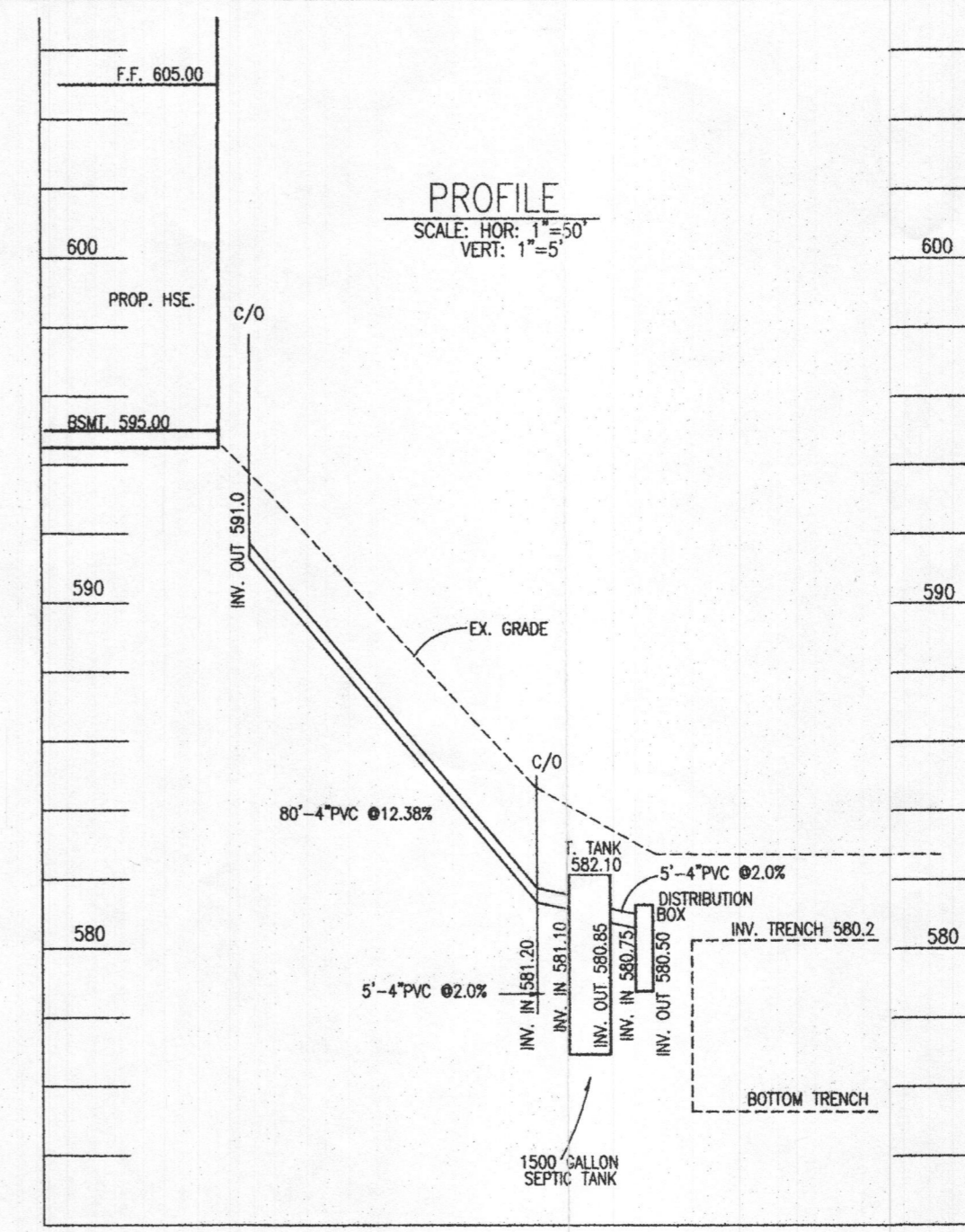
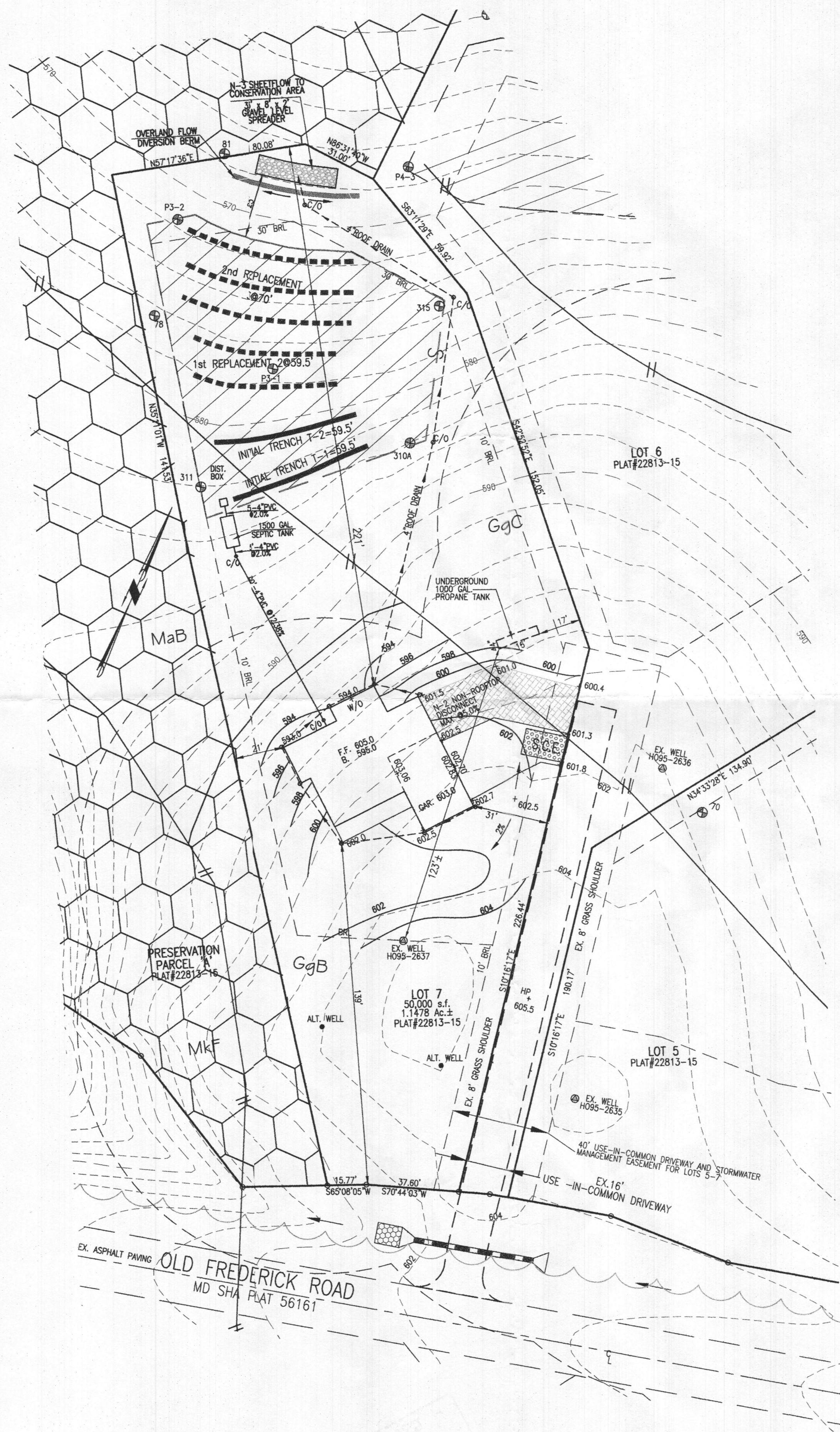
ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 14562 OLD FREDERICK ROAD
 LOT 7
QUARTZ HILL III
 PLAT No. 22813-22815

14510 OLD FREDERICK ROAD
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' NOVEMBER, 2019
VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 549-2751
 Fax (301) 831-5603 ©Copyright, Latest Date Shown





1500 GALLON
2-COMPARTMENT SEPTIC TANK
N.T.S.



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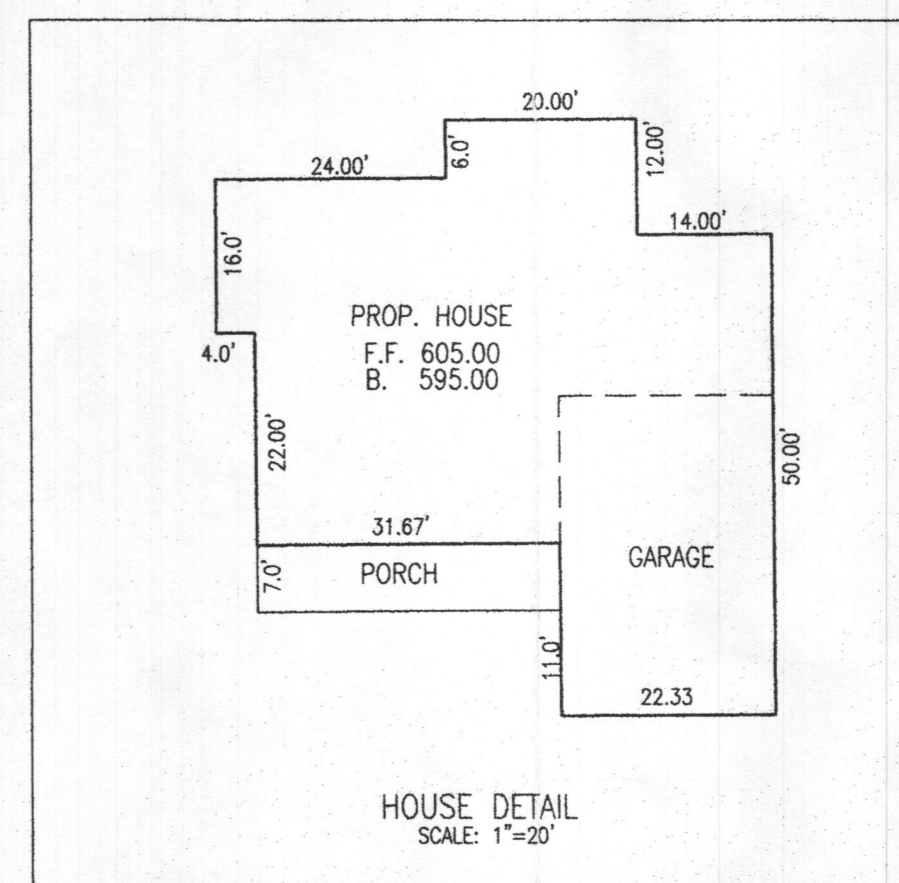
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Approved Septic System Plan
 Howard County Health Department
 1500-gal Septic Tank
 to Gravity Drain Field
 for 5-Bedroom SFD
Signature 1/17/2020
 Date



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