

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: 03/16/2021 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 568792

APPROVAL DATE: 7/7/21 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 14842 Old Frederick Road

SUBDIVISION: Minglewood LOT: 3 TAX ID: _____

CONTRACTOR: Rickey Colson JR EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: Hamel Builders EMAIL: _____

OWNER ADDRESS: 5710 Furnace Ave. PHONE: _____

SEPTIC TANK SIZE (GALLONS): 1250 TANK MANUFACTURER: Maryland Concrete

PUMP MODEL: _____ PUMP SIZE: _____ PUMP TANK CAPACITY: _____

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

TRENCHES:	LINEAR FEET REQUIRED: <u>150</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>8</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:	Install 2 trenches at 75 LF	

ISSUED BY: CABATHUC 001997 ISSUE DATE: 03/16/2021 EXPIRATION DATE: 03/16/2027

- 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.

NOT TO SCALE

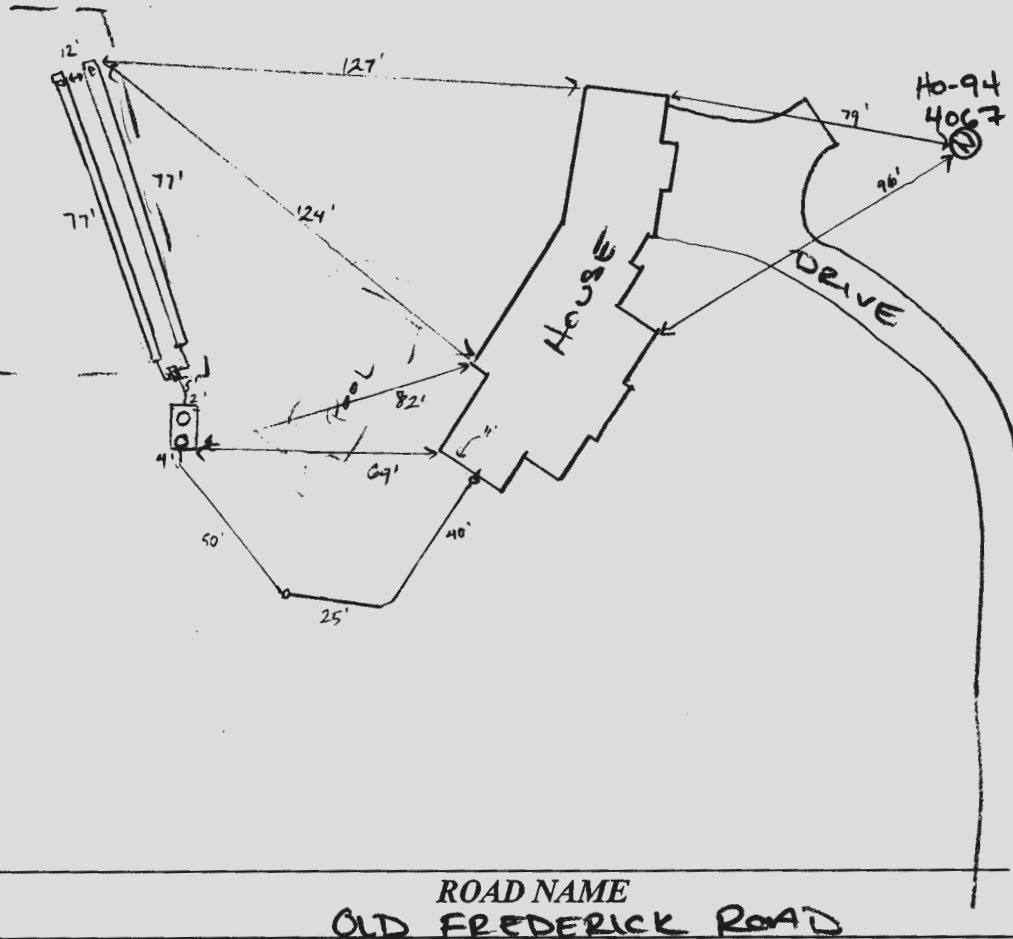
2:1:50

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	4'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		154'
ABSORPTION AREA		308 sq ft + sidewalk
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	top
TANK LID DEPTH	2.5'
BAFFLES	inlet + outlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	5-3-21
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:

04/22/2021 CONFIRMED CONTOUR OF 2x75' TRENCHES AND POSITION OF TANK TO PROP. PCL

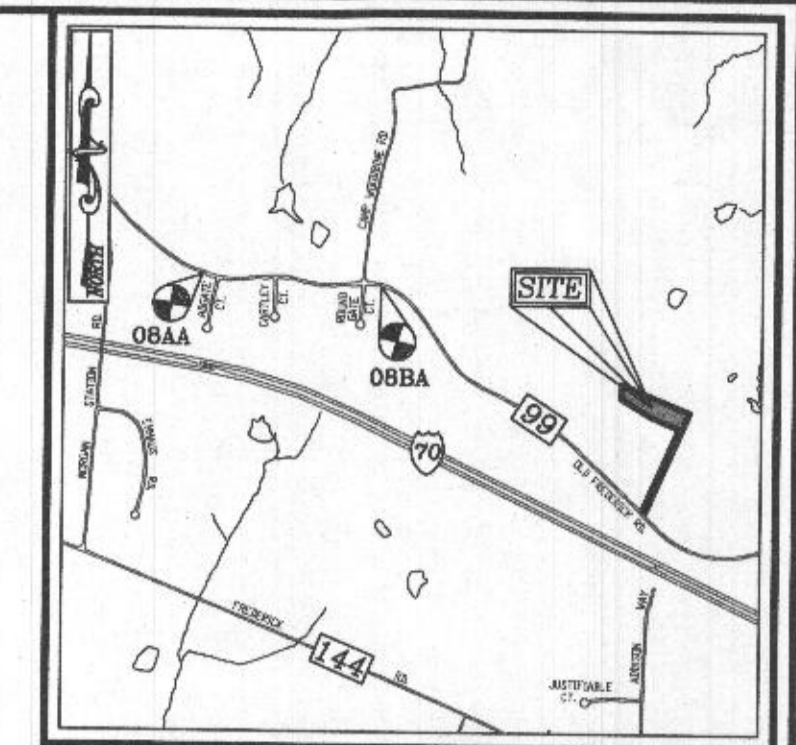
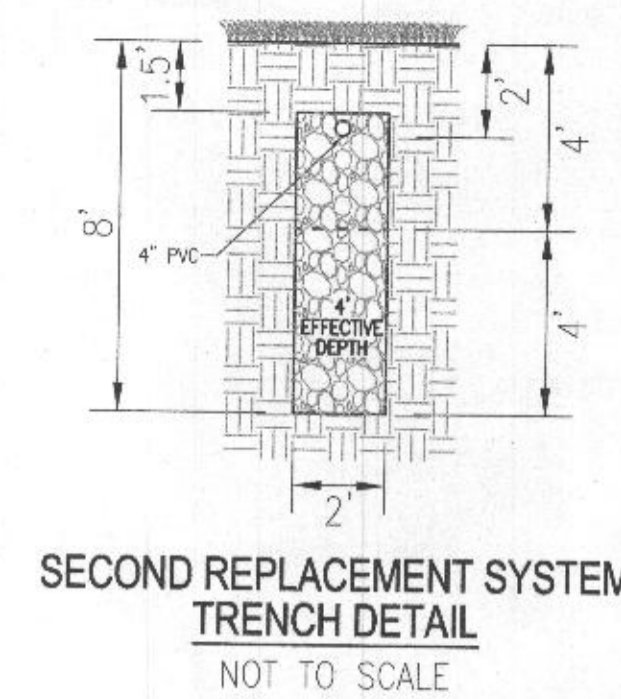
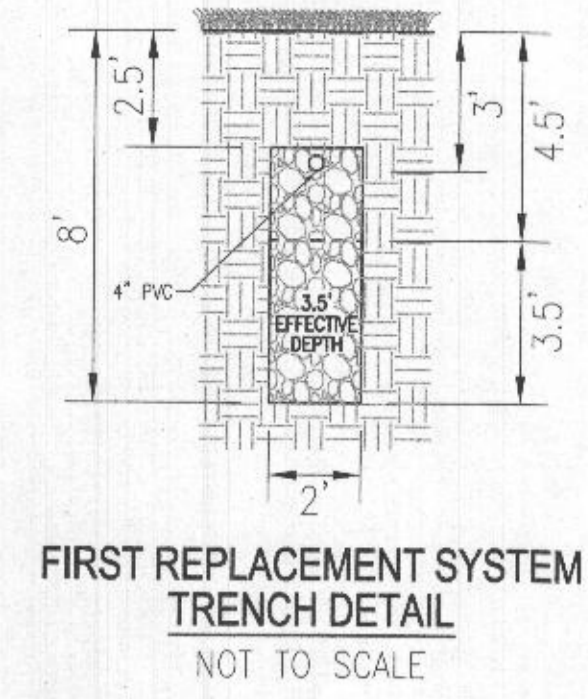
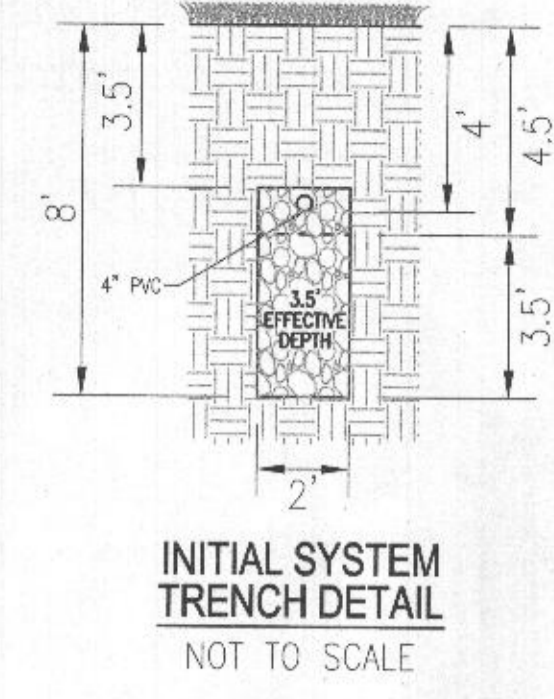
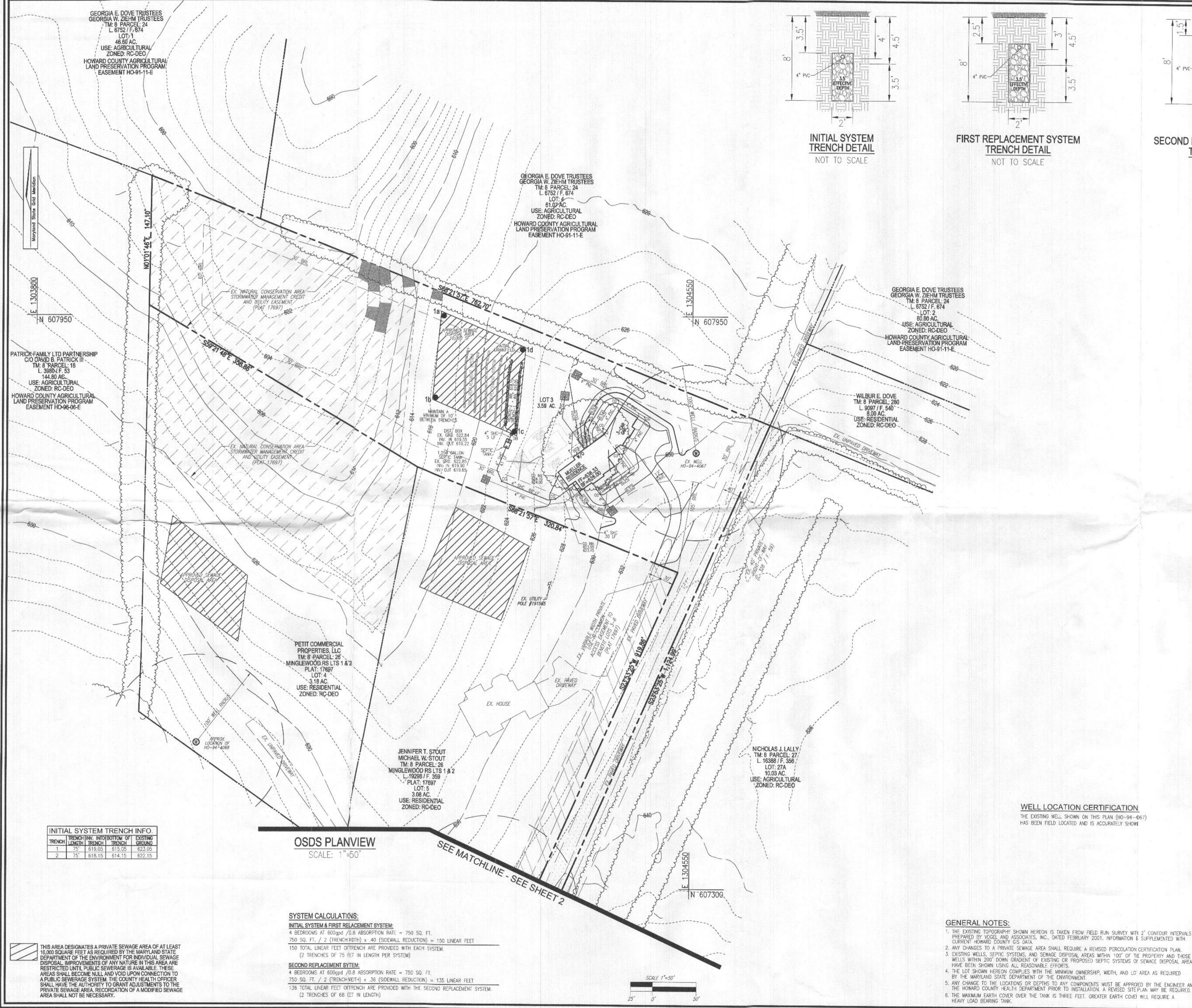
INSTALLATION: 7/7/21 Tank set, SL and SHC constructed, d-box leveled, 2x77' trenches installed. (S)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

7/7/21



VICINITY MAP
SCALE: 1"=2000'
ADC MAP: 4692-17

BENCHMARKS
HOWARD COUNTY BENCHMARK OB8A (CONC. MON.)
N 60909.54 E 1301409.15 ELEV. 630.72
LOCATION: RT-99 WEST OF ROUND GATE CT.

HOWARD COUNTY BENCHMARK OB8A (CONC. MON.)
N 609215.04 E 1299547.59 ELEV. 608.57
LOCATION: RT-99 EAST OF ADAGE CT.

LEGEND:

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	RIGHT-OF-WAY LINE
	EXISTING EDGE OF PAVING
	EXISTING WELL
	EXISTING TREELINE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	APPROVED SEWAGE DISPOSAL AREA
	EXISTING NATURAL CONSERVATION AREA, STORMWATER MANAGEMENT CREDIT AND UTILITY EASEMENT (PLAT 17697)
	EXISTING 40' PRIVATE RIGHT-OF-WAY (L. 328 / F. 59)
	EXISTING VARIABLE WIDTH PRIVATE USE-IN-COMMON ACCESS EASEMENT TO BENEFIT LOTS 3-6 (PLAT 17697)
	PROPOSED 10' CONTOUR
	PROPOSED 2' CONTOUR
	PROPOSED SPOT ELEVATION
	PASSED PERC. TEST

Approved Septic System Plan
Howard County Health Department
Handwritten Signature
Signature Date

OWNER/DEVELOPER
HAMEL BUILDERS, INC.
C/O MICHAEL MUELLER
5710 FURNACE AVE, SUITE H
ELK RIDGE, MD 21075
(410) 782-3150

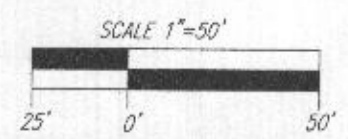
INITIAL SYSTEM TRENCH INFO

TRENCH	TRENCH INCH.	INTO BOTTOM OF EXISTING
1	75"	619.05 615.05 623.05
2	75"	618.15 614.15 622.15

OSDS PLANVIEW
SCALE: 1"=50'

SYSTEM CALCULATIONS:
INITIAL SYSTEM & FIRST REPLACEMENT SYSTEM:
4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.
750 SQ. FT. / 2 (TRENCH WIDTH) x 40 (SIDEWALL REDUCTION) = 150 LINEAR FEET
150 TOTAL LINEAR FEET OFFSET ARE PROVIDED WITH EACH SYSTEM.
(2 TRENCHES OF 75 FEET IN LENGTH PER SYSTEM)

SECOND REPLACEMENT SYSTEM:
4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.
750 SQ. FT. / 2 (TRENCH WIDTH) x 36 (SIDEWALL REDUCTION) = 135 LINEAR FEET
135 TOTAL LINEAR FEET OFFSET ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.
(2 TRENCHES OF 68 FEET IN LENGTH)



WELL LOCATION CERTIFICATION
THE EXISTING WELL SHOWN ON THIS PLAN (10-94-067) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN

- GENERAL NOTES:**
- THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM FIELD RUN SURVEY WITH 2' CONTOUR INTERVALS PREPARED BY VOGEL AND ASSOCIATES, INC., DATED FEBRUARY 2001. INFORMATION IS SUPPLEMENTED WITH CURRENT HOWARD COUNTY GIS DATA.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN USING ALL REASONABLE EFFORTS.
 - THE LOT SHOWN HEREON COMPLEES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - 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.
 - THE MAXIMUM EARTH COVER OVER THE TANK IS THREE FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.

NO. _____ REVISION _____ DATE _____

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
MINGLEWOOD - LOT 3
14842 OLD FREDERICK ROAD
WOODBINE, MD 21797
(3.59 AC.)

L. 9567 / F. 307
4TH ELECTION DISTRICT
TAX MAP: 8 GRID: 10

PARCEL: 26
ZONED: RC-DEO
HOWARD COUNTY, MARYLAND

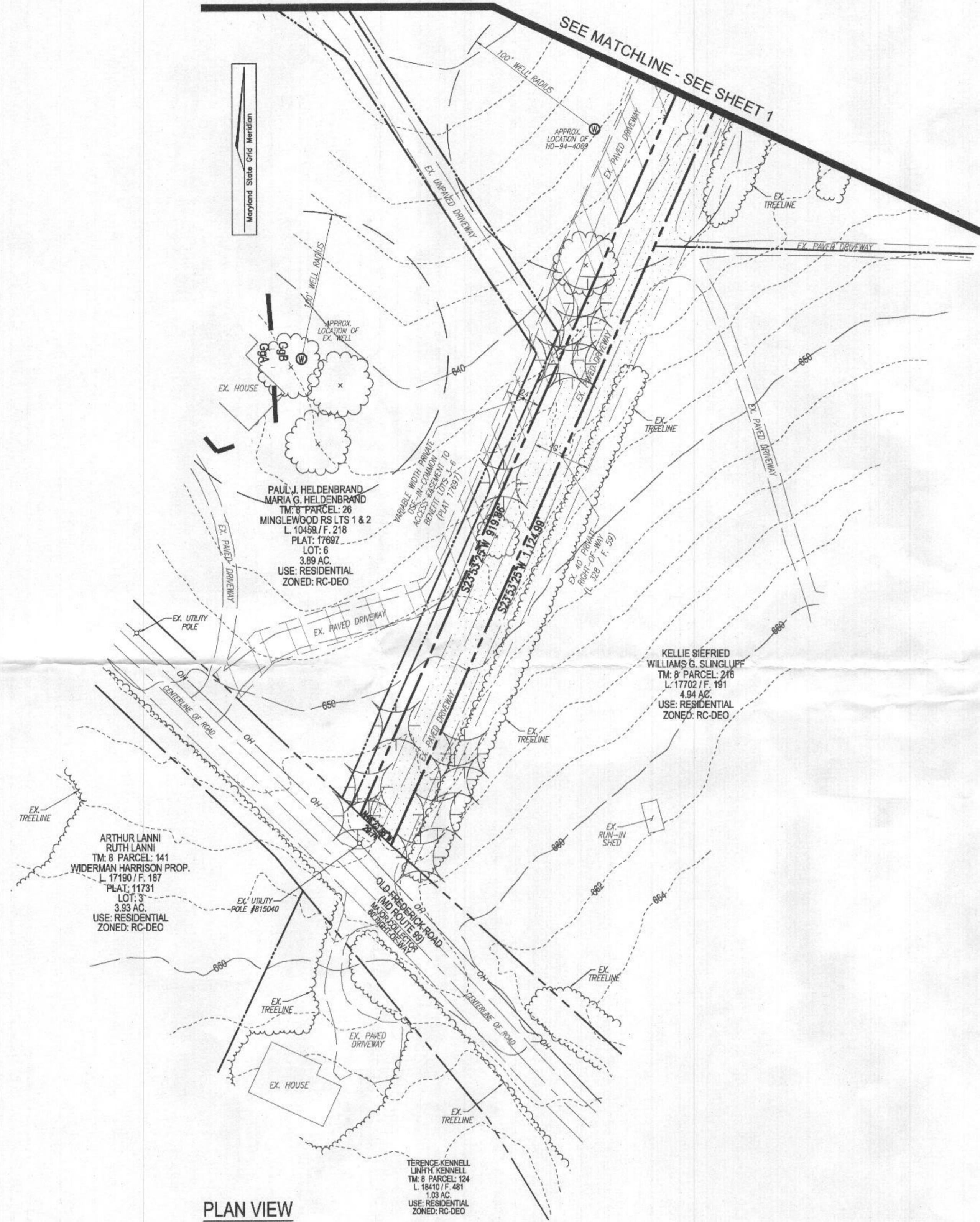
VOGEL ENGINEERING
TIMMONS GROUP
3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com

DESIGN BY: RHV
DRAWN BY: JMR
CHECKED BY: RHV
DATE: MARCH 2021
SCALE: AS SHOWN
W.C. NO.: 2017145

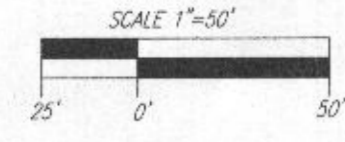
PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. EXPIRES 03/31/2022

ROBERT H. VOGEL, PE No. 16193

1 SHEET OF 2



PLAN VIEW
SCALE: 1"=50'



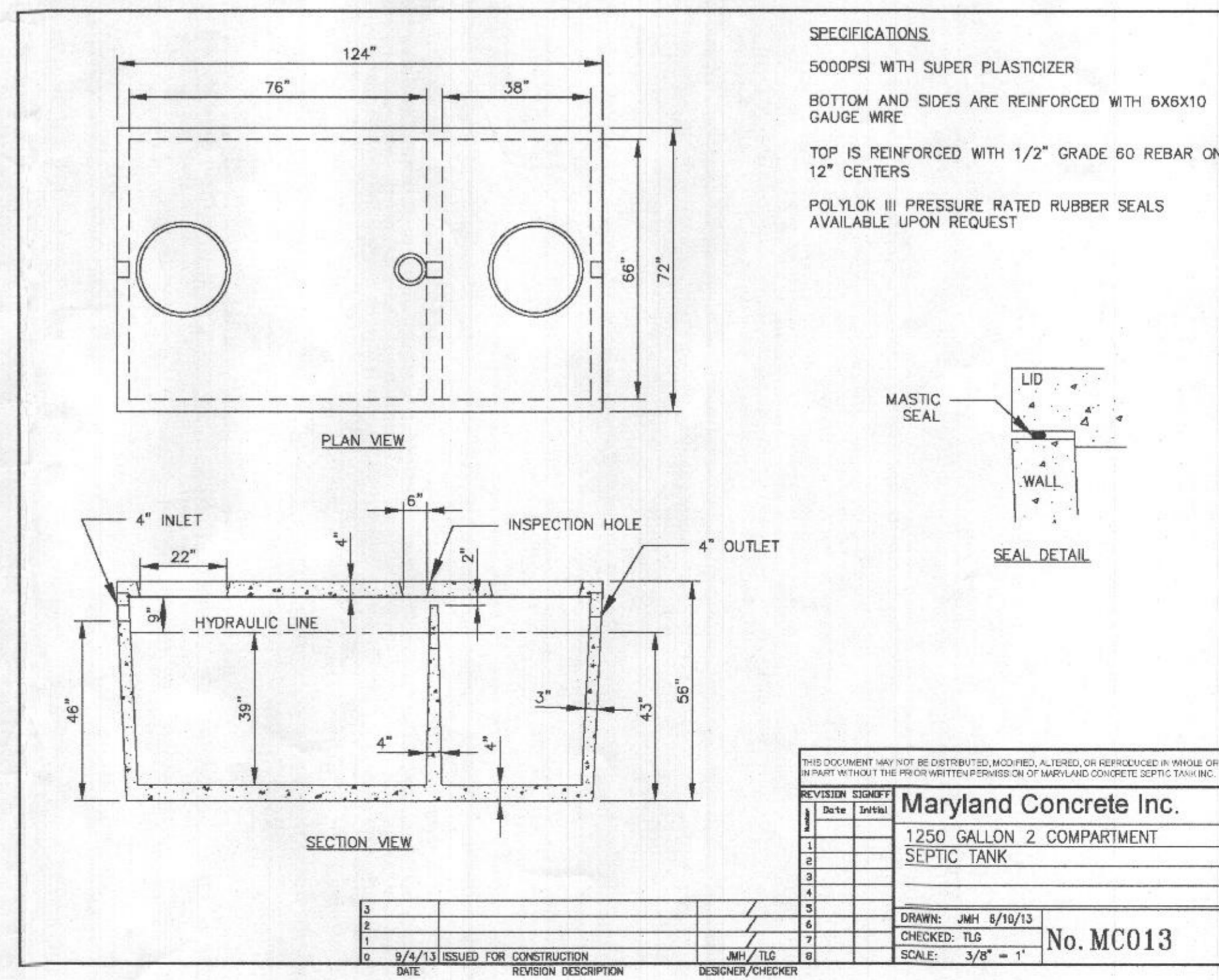
TERENCE KENNELL
LINTY KENNELL
TM 8 PARCEL 124
L 18410 / F. 681
1.03 AC.
USE: RESIDENTIAL
ZONED: RC-DEO

ARTHUR LANNI
RUTH LANNI
TM 8 PARCEL 141
WIDERMAN HARRISON PROP.
L 17190 / F. 187
PLAT: 11731
LOT: 3
3.93 AC.
USE: RESIDENTIAL
ZONED: RC-DEO

KELLIE SIEFRIED
WILLIAM G. SLINGLUFF
TM 9 PARCEL 246
L 17702 / F. 181
4.94 AC.
USE: RESIDENTIAL
ZONED: RC-DEO

PAUL J. HELDENBRAND
MARIA G. HELDENBRAND
TM 8 PARCEL 26
MINGLEWOOD RS LOTS 1 & 2
L 10458 / F. 218
PLAT: 17897
LOT: 6
3.89 AC.
USE: RESIDENTIAL
ZONED: RC-DEO

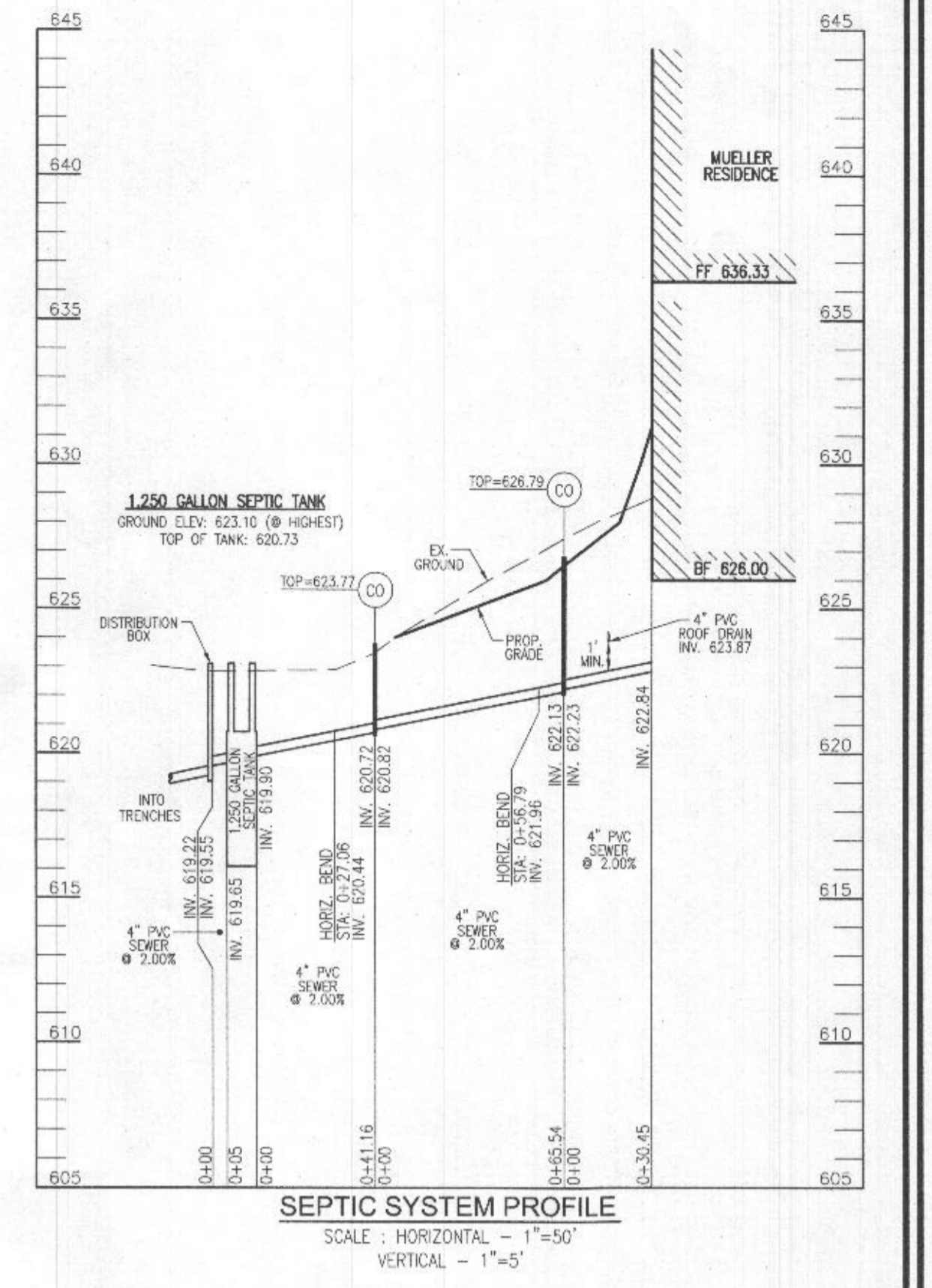
SEE MATCHLINE - SEE SHEET 1



SPECIFICATIONS
5000PSI WITH SUPER PLASTICIZER
BOTTOM AND SIDES ARE REINFORCED WITH 6X6X10 GAUGE WIRE
TOP IS REINFORCED WITH 1/2" GRADE 60 REBAR ON 12" CENTERS
POLYLOK III PRESSURE RATED RUBBER SEALS AVAILABLE UPON REQUEST

REVISION	DATE	DESCRIPTION	DESIGNER/CHECKER
1	6/10/13	1250 GALLON 2 COMPARTMENT SEPTIC TANK	JMR/TLG
2	9/4/13	ISSUED FOR CONSTRUCTION	JMR/TLG

Maryland Concrete Inc.
1250 GALLON 2 COMPARTMENT SEPTIC TANK
DRAWN: JMR 6/10/13
CHECKED: TLG
SCALE: 3/8" = 1"
No. MC013



SEPTIC SYSTEM PROFILE
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'

OWNER/DEVELOPER
HAMEL BUILDERS, INC.
C/O MICHAEL VUELLER
5710 FURNACE AVE, SUITE H
ELK RIDGE, MD 21075
(410) 782-3150

NO.	REVISION	DATE

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

MINGLEWOOD - LOT 3
14842 OLD FREDERICK ROAD
WOODBINE, MD 21797
(3.59 AC.)

L 9567 / F. 307
4TH ELECTION DISTRICT
TAX MAP: 8 GRID: 10

PARCEL: 26
ZONED: RC-DEO
HOWARD COUNTY, MARYLAND

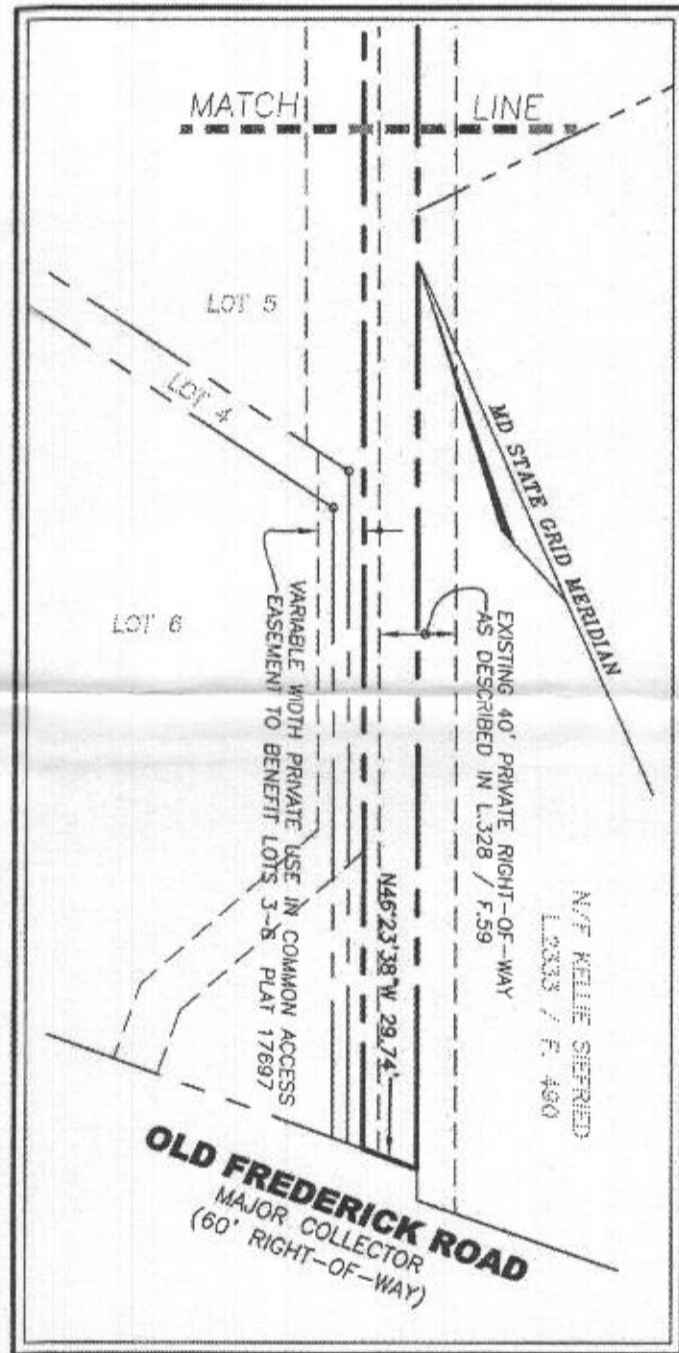
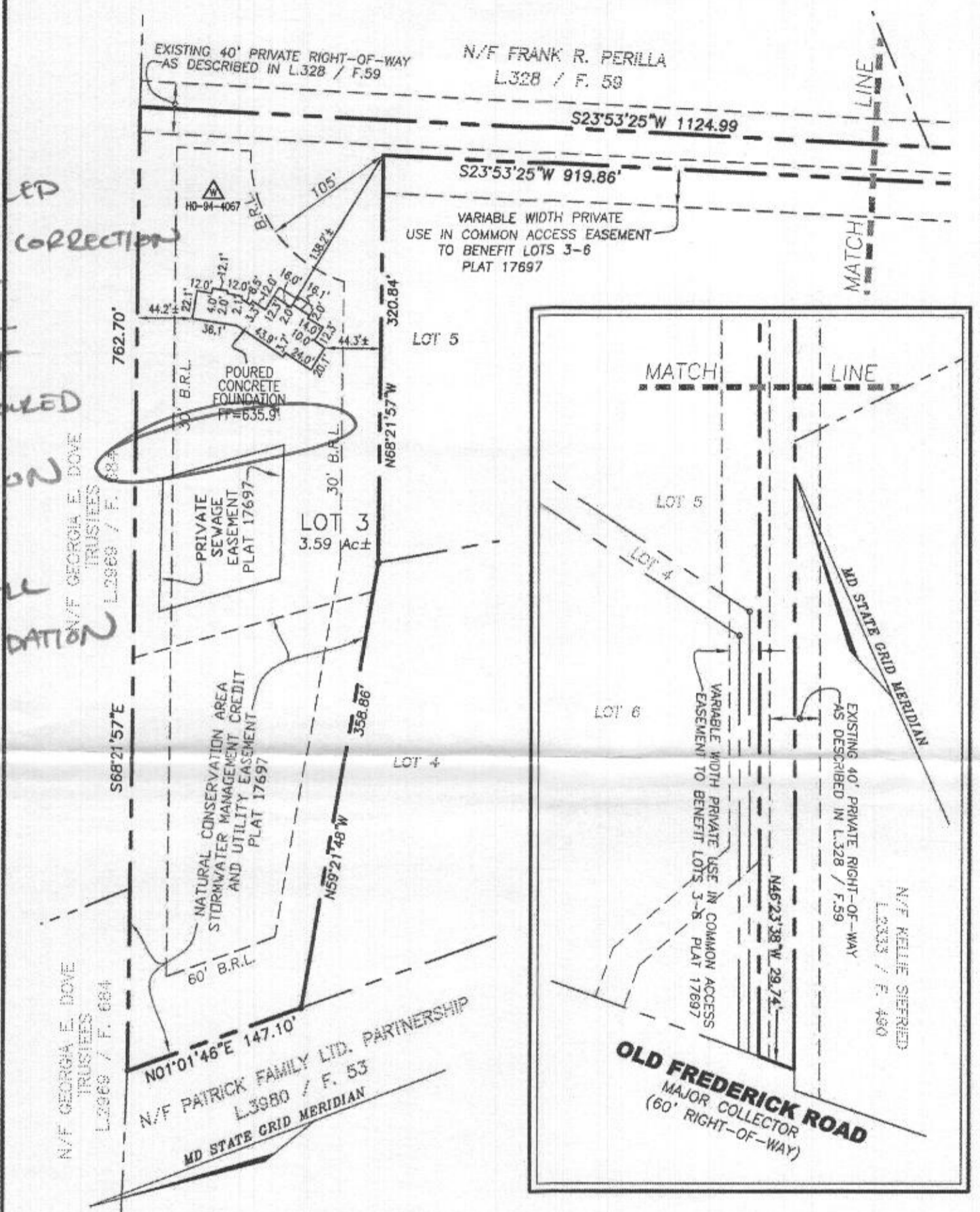
VOGEL ENGINEERING
⊕
TIMMONS GROUP
3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com

DESIGN BY:	PROFESSIONAL CERTIFICATE
RHV	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. 16183, EXPIRATION DATE 08-27-2022.
DRAWN BY: JMR	
CHECKED BY: RHV	
DATE: MARCH 2021	
SCALE: AS SHOWN	
W.O. NO.: 2017145	2 OF 2

ROBERT R. VOGEL, PE No.16183

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

5/20/2021
 ENG. FAILED TO MAKE CORRECTIONS FROM S/S
 FFE IS NOT TOWNSHIP OF POURED CONCRETE FOUNDATION
 NEED TOP OF WALL OF FOUNDATION

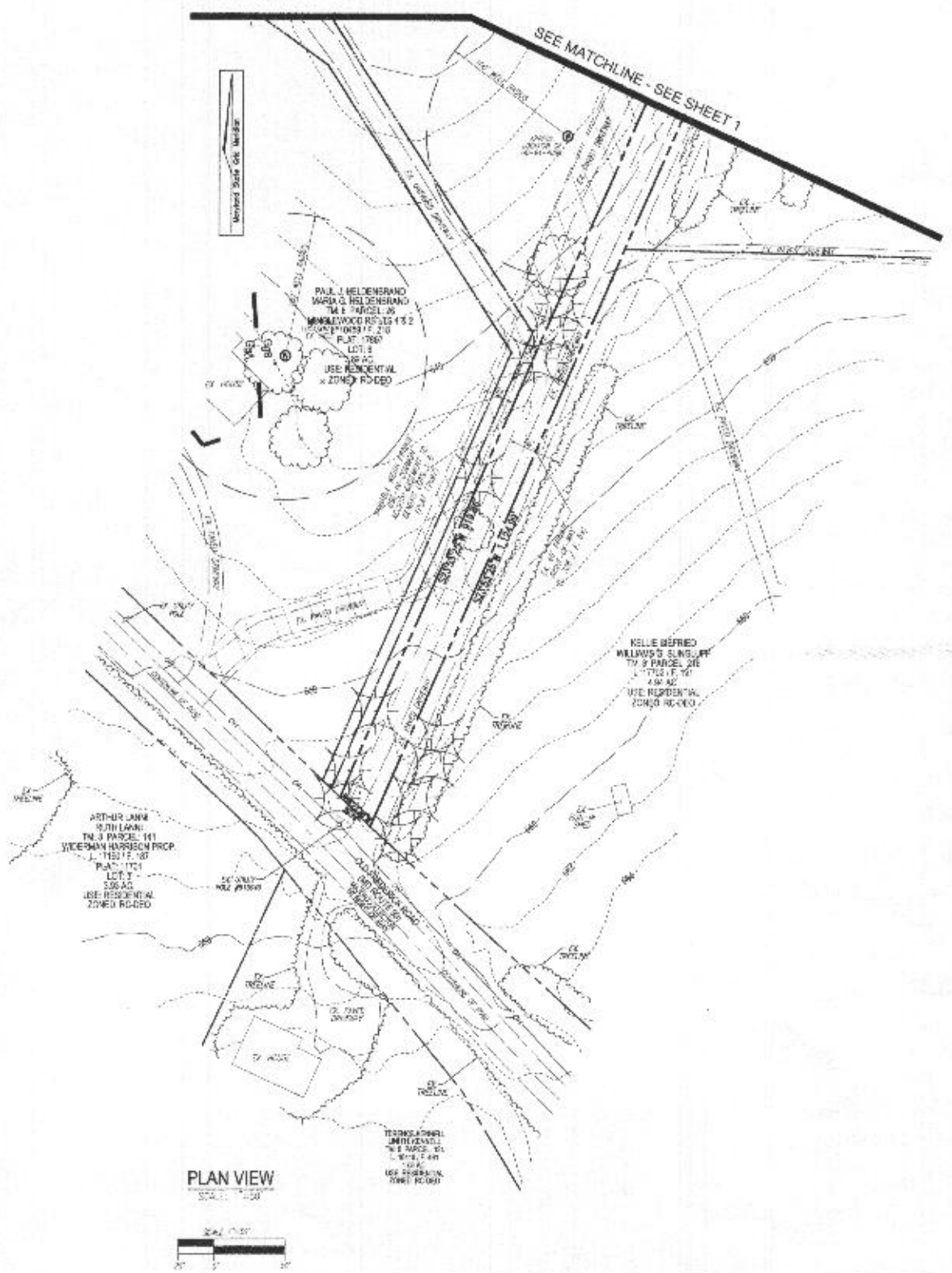


I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THAT THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN; THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.

[Signature] 05/11/2021
 ERICK R. QUINTANILLA
 PROFESSIONAL LAND SURVEYOR
 LICENSE NO. 21408
 EXP. DATE: JUNE 15, 2021

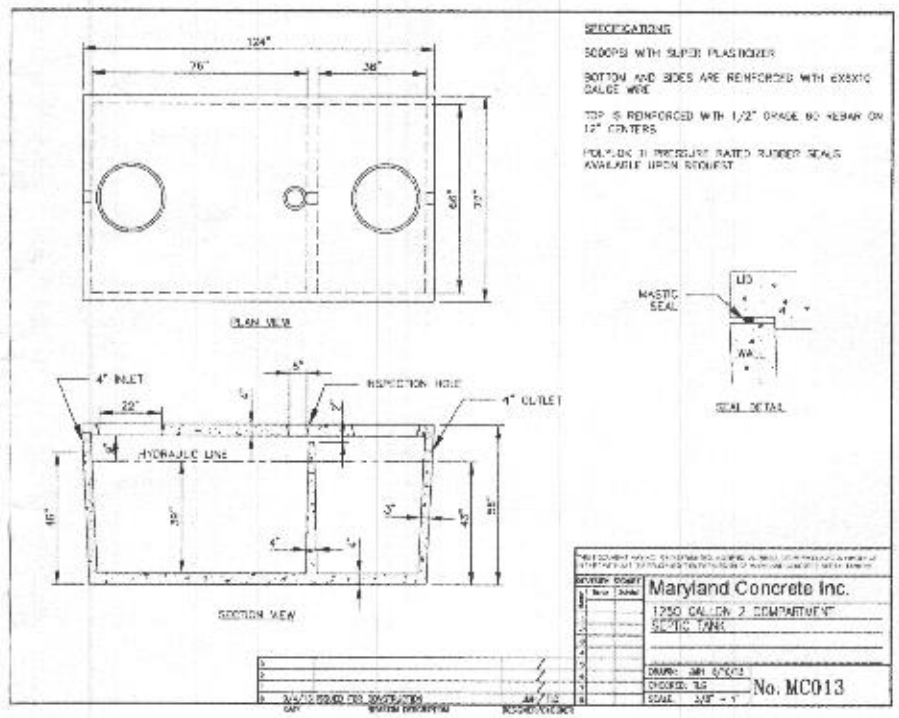


SCALE 1" = 100'	DATE 05/11/2021	VOGEL ENGINEERING + TIMMONS GROUP 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 P: 410.461.7666 F: 410.461.8961 www.timmons.com	WALL CHECK DRAWING 14842 OLD FREDERICK ROAD LOT 3 MINGLEWOOD PLAT NO. 17697 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY AR	CHECKED BY E.R.Q.		
PLAT NUMBER 17697	JOB NUMBER 2017145		

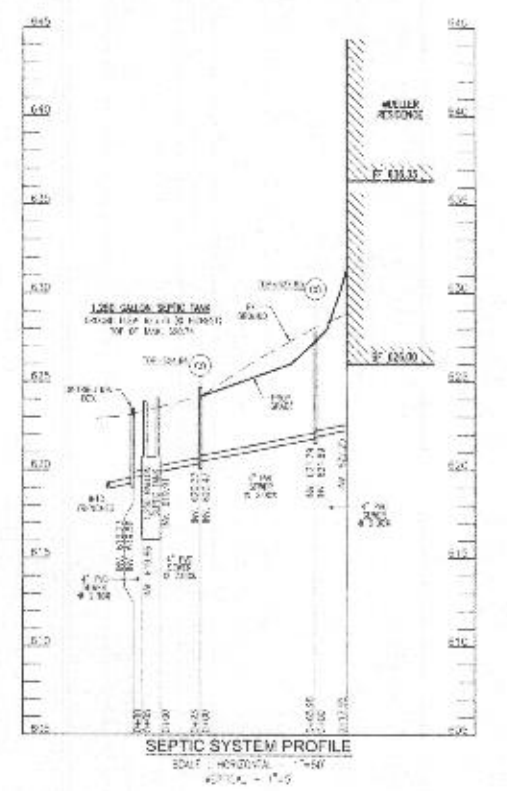
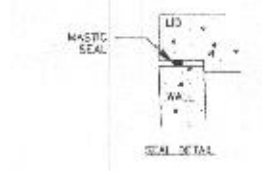


PLAN VIEW
SCALE: 1"=10'

SEE MATCHLINE - SEE SHEET 1



SPECIFICATIONS
 SCOOPS WITH SLIP PLASTIC COVER
 BOTTOM AND SIDES ARE REINFORCED WITH EXISTING GALVE WIRE
 TOP IS REINFORCED WITH 1/2" Ø W/ 12" SPACING ON 12" CENTERS
 POLYURETHANE RATED RUBBER SEALS AVAILABLE UPON REQUEST



SEPTIC SYSTEM PROFILE
SCALE: HORIZONTAL = 1"=10' VERTICAL = 1"=1.0'

OWNER/DEVELOPER
 NAME: ELLIOTT, INC.
 C/O MERRILL WHEELER
 5112 FREDERICK AVE. SUITE 110
 GREENBELT, MD 21043
 (301) 952-5150

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
MINGLEWOOD - LOT 3
 14842 OLD FREDERICK ROAD
 WOODBINE, MD 21797
 (3.58 AC.)

VOGEL ENGINEERING
 +
TIMMONS GROUP
 3300 NORTH REDGE ROAD, SUITE 110, BELLSGOTT CITY, MD 21048
 P: 410.461.7965 F: 410.461.8961 www.timmons.com



PROFESSIONAL CERTIFICATE
 DESIGN BY: [Signature]
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 DATE: APRIL 2020
 SCALE: AS SHOWN
 W.D. NO.: 20-2-45