



**Howard County
Health Department**

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

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

RECEIPT DATE: 1-20-22 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 570918

APPROVAL DATE: 6/29/2023 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 5178 TEN OAKS ROAD, CLARKSVILLE, MD 21029 *upgrade*

SUBDIVISION: LINDEN CHAPEL WOODS

LOT: 3

TAX ID:

05-368316

CONTRACTOR: Freedom Septic

EMAIL:

CONTRACTOR ADDRESS:

PHONE: 410-795-2947

sarterburn@therainmakergroup.co

PROPERTY OWNER: PARK BROTHERS, LLC

EMAIL: m

OWNER ADDRESS: 5200 TEN OAKS ROAD, CLARKSVILLE, MD 21029

PHONE: (443)829-9222

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER:

MAYER BROS., INC.

PUMP MODEL: LIBERTY 251-2

PUMP SIZE

0.33 Hp

PUMP TANK CAPACITY:

2000

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 5

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>87</u>	INLET DEPTH: <u>2.0</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:	A PASSING PUMP AND ALARM TEST IS REQUIRED PRIOR TO FINAL APPROVAL OF THIS SEPTIC SYSTEM INSTALLATION. INSTALL FOUR (4)) CLEANOUTS IN SHC, AS ILLUSTRATED EXISTING SEPTIC TANK AND DRY WELL MUST BE PUMPED DRY, THEN PROPERLY ABANDONED FOR FINAL APPROVAL OF THIS INSTALLATION PERMIT	

ISSUED BY: R BRICKER

ISSUE DATE:

EXPIRATION DATE:

1-20-23

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 22002559

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

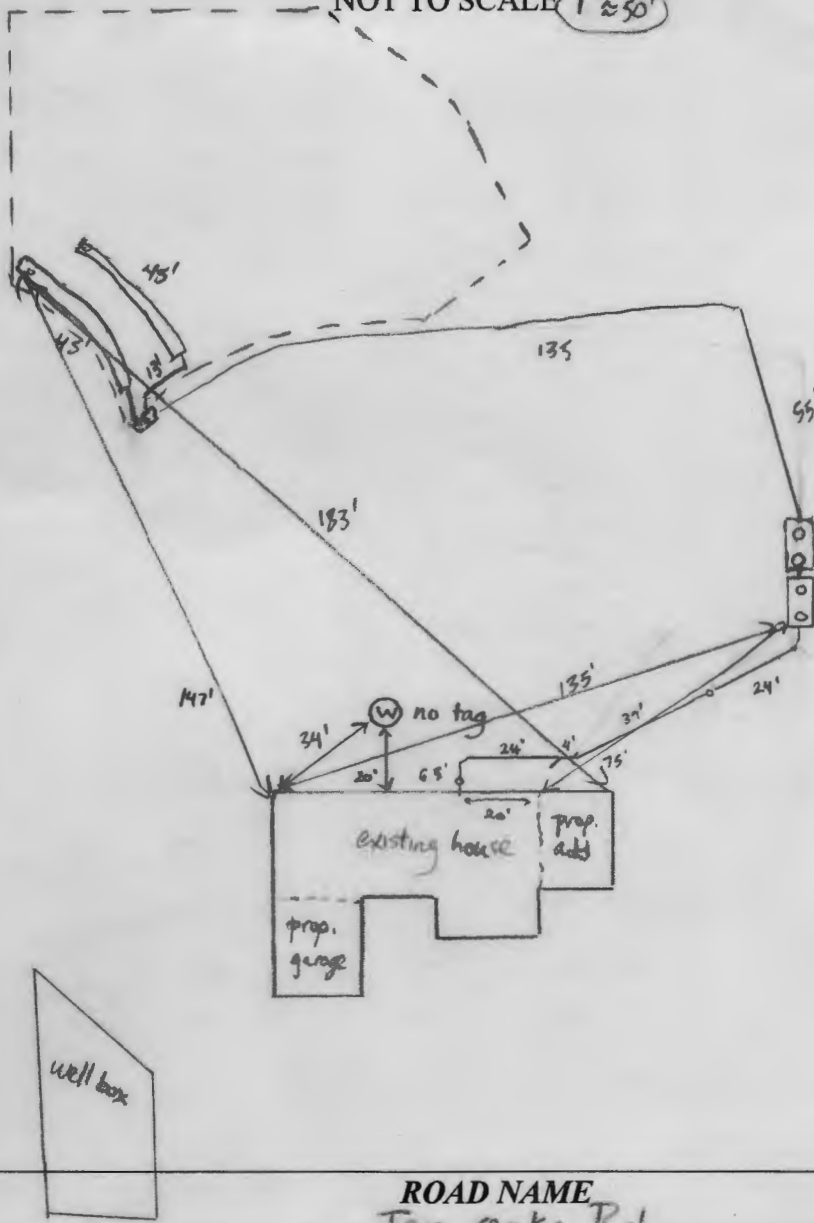
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE
SUCCESSFUL OPERATION OF ANY SYSTEM.**

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

5178 Ten Oaks

NOT TO SCALE 1" ≈ 50'

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	2'	8'

NUMBER OF TRENCHES 2TOTAL LENGTH 90'ABSORPTION AREA 270 sq ft + side wallDISTRIBUTION BOX LEVEL N/ADISTRIBUTION BOX BAFFLE 90' downDISTRIBUTION BOX PORT PVC**SEPTIC TANK DATA**SEPTIC TANK 1 LEVEL yesMANUFACTURER BabylonCAPACITY 2000 GALSEAM LOC topTANK LID DEPTH 2.5'-2'BAFFLES inlet + outletBAFFLE FILTER -MANHOLE LOC inlet + outlet6" PORT LOC -WATERTIGHT TEST -SLOTTED yesDATE ON LID 12-3-21PUMP/SEPTIC TANK LEVEL yesMANUFACTURER BabylonCAPACITY 2000 GALSEAM LOC topTANK LID DEPTH 2'-1.5'BAFFLES -BAFFLE FILTER -MANHOLE LOC inlet + outlet6" PORT LOC -WATERTIGHT TEST noSLOTTED noDATE ON LID 12-11-21**PRE-CONSTRUCTION:**

1/27/22 2x44' trenches laid out on contour according to plan. Contractor plans to eliminate last c/p by making more of a gentle curve into tank (ST)

INSTALLATION: 2/2/22 SL from existing house to tanks constructed. Tie-in line put in place;

will add c/p when new foundation is later. Tanks set. Pump tank had damage in upper right corner of inlet - Babylon fixed this damage with epoxy that was still wet when tank arrived. Contractor took picture of tank interior to confirm no leaks to outside. (ST) 2/8/22 Baffles added to tank. FIM installed. 2x45' trenches constructed. Remisp for P/A (ST) 6/29/2023 - Alarm inside of house. Audible good. Water successfully pumped to D-box. (SP)

FINAL INSPECTOR

S. Page

DATE OF APPROVAL

6/29/2023

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A-_____ P-57018

RESIDENTIAL PERMIT ☐

(NUMBER OF BEDROOMS: _____)

COMMERCIAL PERMIT ☐

(DESIGN FLOW: _____ GPD)

PERMITEE:

Freedom Septic

LOCATION:

5178 Ten Oaks Road

****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

☐

STOP ALL CONSTRUCTION ON SEWAGE
DISPOSAL SYSTEM AND CONTACT HEALTH
DEPARTMENT BEFORE CONTINUING

Inspector _____

Date _____

☐

WORK IS SATISFACTORY, OK TO
CONTINUE

Inspector _____

Date _____

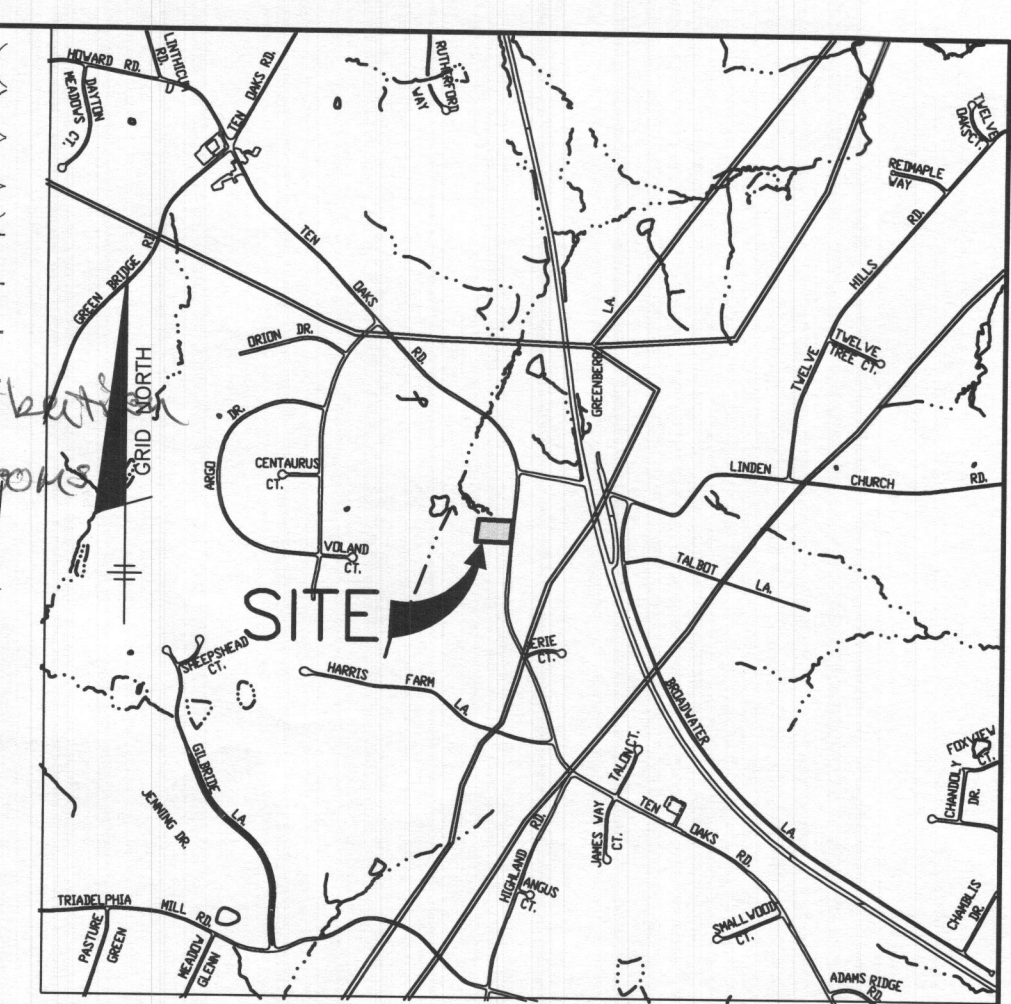
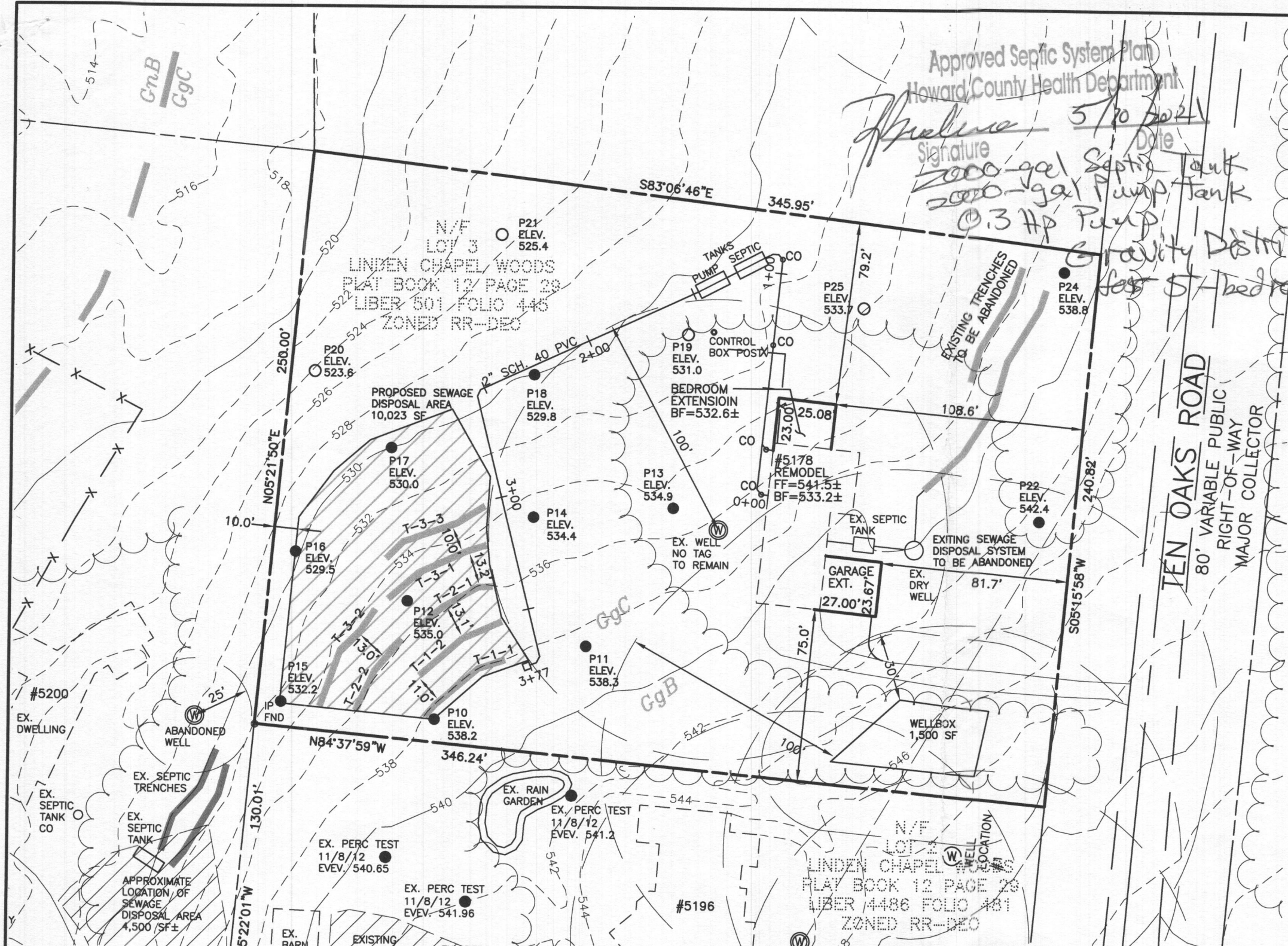
COMMENTS:

☐

FINAL INSPECTION MADE, OK TO
COVER ALL WORK

Inspector _____

Date _____

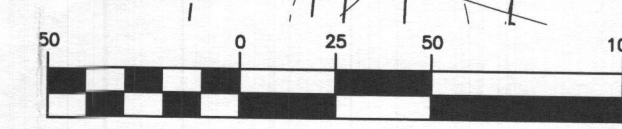


VICINITY MAP
SCALE: 1" = 2000'

PLAN VIEW
1" = 50'

- GENERAL NOTES**
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR WINDEN CHAPEL WOODS, PLAT BOOK 12, PAGE 29. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREA, ALL EASEMENTS AND CONDITIONS.
 2. THE EXISTING WELL SHOWN ON THIS PLAN (NO TAG) HAS BEEN FIELD LOCATED BY OWNER IN DECEMBER 2020 AND IS ACCURATELY SHOWN.
 3. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
 4. TOPOGRAPHY SHOWN WAS BASED ON HOWARD COUNTY GIS AND WAS FIELD CONFIRMED BY BENCHMARK ENGINEERING, INC. IN NOVEMBER, 2020, FROM FIELD SHOT ELEVATIONS OF THE PERCOLATION TEST LOCATIONS.
 5. SEDIMENT AND EROSION CONTROLS WILL BE SUBMITTED BY HOWARD SOILS CONSERVATION DISTRICT AS A STANDARD GRADING PLAN.
 6. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED BUILDING PERMIT.
 7. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX

8. SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. ANY CHANGES 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.
10. ANY ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
11. THE SEPTIC TANK WILL BE A 2000 GALLON TWO COMPARTMENT TANK. THE PUMP TANK WILL BE A 2000 GALLON ONE COMPARTMENT TANK.
12. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
13. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS/OR SEPTIC SYSTEM HAVE BEEN SHOWN.
14. THE ENVIRONMENTAL SANITARIAN ATTENDING THE SEPTIC SYSTEM INSTALLATION HAS THE PREROGATIVE TO REQUIRE WATERTIGHT TESTS, OR TANK STABILIZING FIXTURES, SHOULD SOIL CONDITIONS INDICATE POTENTIAL FOR GROUNDWATER INFILTRATION OR TANK FLOTATION.

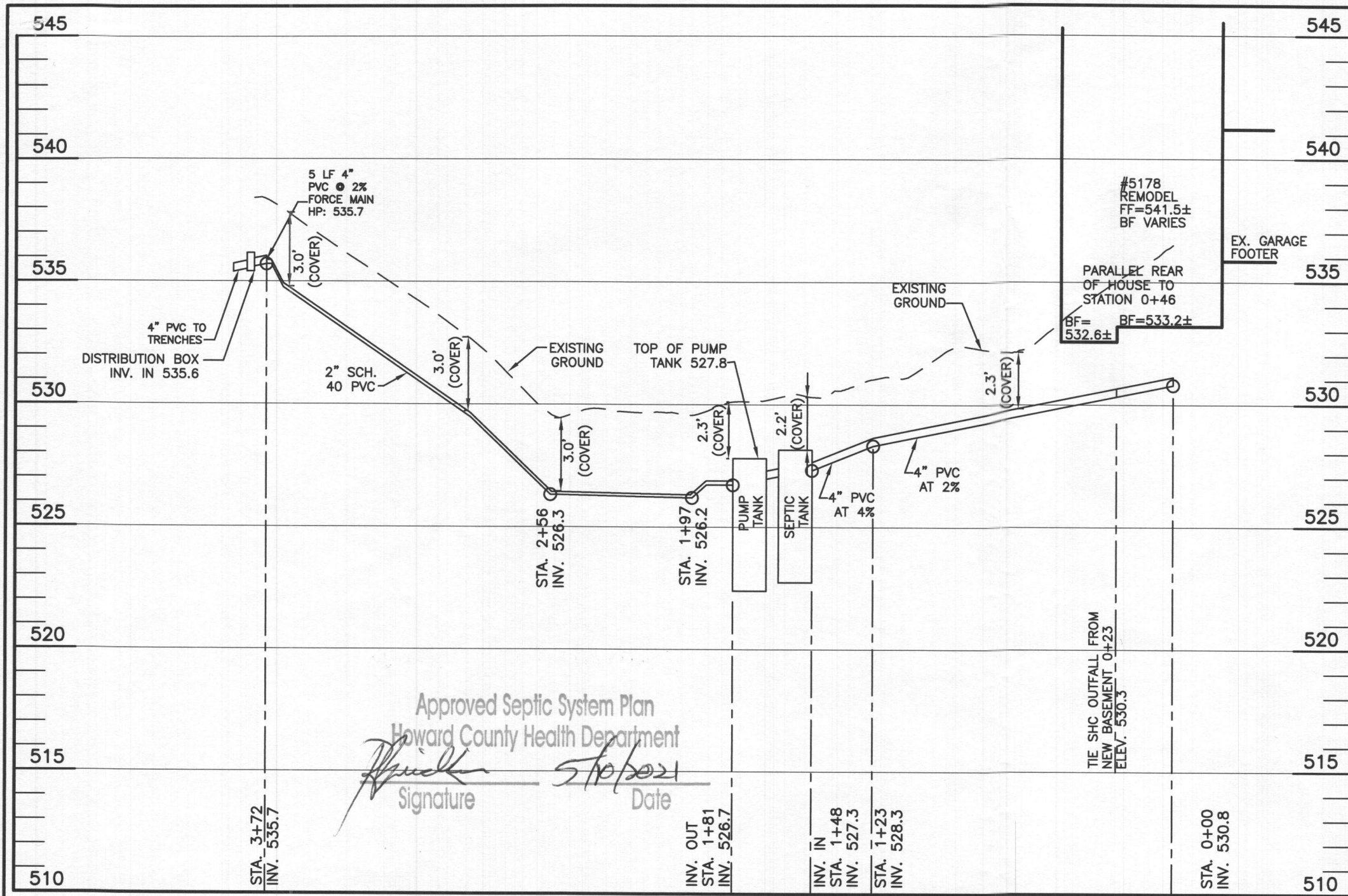


BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE SUITE 315
ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 • (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

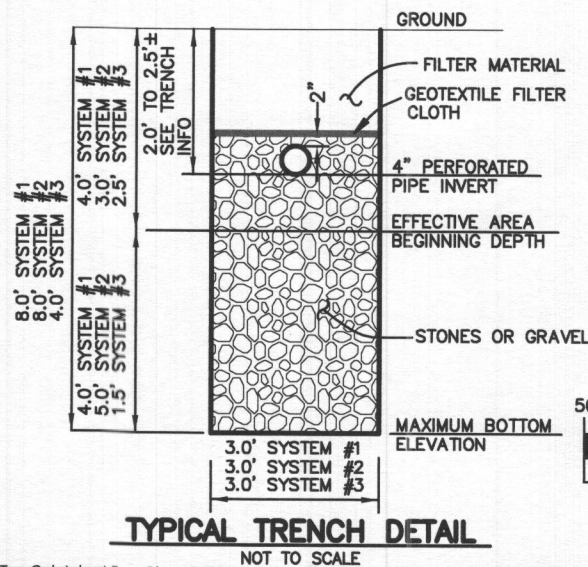
OWNER:	
PARK BROTHERS LLC 5200 TEN OAKS ROAD CLARKSVILLE, MD 21029 443-829-9222	
PROJECT: LINDEN CHAPEL WOODS LOT 3	
LOCATION: TAX MAP: 28, GRID: 14, PARCEL: 127 5178 TEN OAKS ROAD, TAX ID 05-368316 ELECTION DISTRICT NO. 4, HOWARD COUNTY, MARYLAND	
TITLE: ONSITE SEWAGE DISPOSAL PLAN	
HOUSE TYPE: CUSTOM REMODEL	
DATE: APRIL, 2021	PROJECT NO. 2763
SCALE: AS SHOWN	DRAWING 1 OF 4

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. 45577, Expiration Date: 06-08-2022.

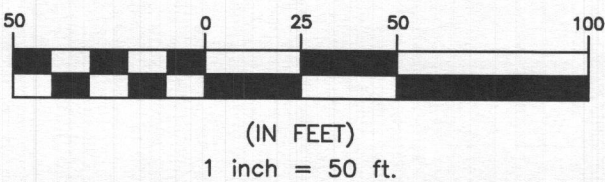
STATE OF MARYLAND
JOHN M. CARNEL
PROFESSIONAL ENGINEER
No. 45577
5/5/21



Approved Septic System Plan
Howard County Health Department
[Signature]
Signature
5/10/2021
Date



SEPTIC
Horizontal scale: 1" = 50'
Vertical Scale: 1" = 5'



HEALTH DEPARTMENT SPEC SHEET INFORMATION - 5178			
System	Application Rate	Effective Depth	Bottom Depth
Initial	1.2	4.0	8.0
1st Replacement	1.2	3.0	8.0
2nd Replacement	1.2	2.5	4.0

OWNER:

PARK BROTHERS LLC
5200 TEN OAKS ROAD
CLARKSVILLE, MD 21029
443-829-9222

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-6105 ▲ (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

TRENCH DATA - Lot 3					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1		TRENCH 2-1		TRENCH 3-1	
LENGTH	43.5 ft	LENGTH	37.3 ft	LENGTH	49.7 ft
GROUND ELEVATION	538.0	GROUND ELEVATION	536.0	GROUND ELEVATION	534.5
INVERT ELEVATION	535.4	INVERT ELEVATION	534.0	INVERT ELEVATION	532.5
MAX BOTTOM ELEVATION	530.0	MAX BOTTOM ELEVATION	528.0	MAX BOTTOM ELEVATION	530.5
TRENCH 1-2		TRENCH 2-2		TRENCH 3-2	
LENGTH	43.5 ft	LENGTH	37.3 ft	LENGTH	49.7 ft
GROUND ELEVATION	537.0	GROUND ELEVATION	535.9	GROUND ELEVATION	534.4
INVERT ELEVATION	535.0	INVERT ELEVATION	533.9	INVERT ELEVATION	532.4
MAX BOTTOM ELEVATION	529.0	MAX BOTTOM ELEVATION	527.9	MAX BOTTOM ELEVATION	530.4
TRENCH 1-3		LENGTH	49.7 ft	GROUND ELEVATION	533.5
GROUND ELEVATION	533.5	INVERT ELEVATION	531.5	MAX BOTTOM ELEVATION	529.5

INITIAL SYSTEM - 5178 - perc 10, 11, 12		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	4.0	ft
Bottom Max Depth	8.0	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.42	
Trench width	3	ft
Effective Area Depth	4	ft
Trench Spacing	11	ft
Linear Length of trench Required	87	lf

1st REPLACEMENT SYSTEM perc 12, 15, 16		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3.0	ft
Bottom Max Depth	8.0	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.36	
Trench width	3	ft
Effective Area Depth	5	ft
Trench Spacing	13	ft
Linear Length of trench Required	74	lf

2nd REPLACEMENT SYSTEM perc 12, 15, 16, 17		
Number of Bedrooms	5	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	2.5	ft
Bottom Max Depth	4.0	ft
Design Flow	750	gpd
Drainage Field square footage	625	sf
Sidewall Reduction Credit	0.71	
Trench width	3	ft
Effective Area Depth	1.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	149	lf

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. 45577, Expiration Date: 06-08-2022.

[Signature]
JOHN M. CARNEY
No. 45577
PROFESSIONAL ENGINEER

PROJECT: LINDEN CHAPEL WOODS LOT 3

LOCATION: TAX MAP: 28, GRID: 14, PARCEL: 127
5178 TEN OAKS ROAD, TAX ID 05-368316
ELECTION DISTRICT NO. 4, HOWARD COUNTY, MARYLAND

TITLE: ONSITE SEWAGE DISPOSAL PLAN

HOUSE TYPE: CUSTOM REMODEL

DATE: APRIL, 2021 PROJECT NO. 2763

SCALE: AS SHOWN DRAWING 2 OF 4

Pumping Station

Diameter of Force Main and Manifold = 2" PVC SCH. 40
Length of Force Main = 191 feet SCH.40 gallons/100 feet = 17.4 Table 4.2

Volume of Main = 33.2 gallons

Total Volume = 33.2 gallons

Minimum Dose must be greater than 1/6 of the design flow 125 gallons

Minimum Dose must be greater than the volume of the main 33 gallons

Use minimum dose of 140 gallons okay Doses per Day = 5.357143

Size Pump Chamber

Pump chamber must be able to hold one dose and one days design flow

One day Capacity = 750 gallons
Dose = 140 gallons
Totals = 890 gallons

Use 2,000 gallon pump tank

Tank Dimensions:	Exterior	Interior	Walls:	
Length:	13.75 feet	Length: 13.08 feet	Bottom:	0.33 feet
Width:	6.25 feet	Width: 5.58 feet	Top:	0.33 feet
Height:	5.42 feet	Height: 4.67 feet	Bottom to Inlet:	4.58 feet
		Area: 73.05 sf		
		Volume: 340.89 cf		

Sizing the Pump

Flow: runtime = 7 minutes
rate = 20.00 gallons/minute

Design Head: Design Head = Static Head + Friction Head
Static Head = highest elevation of main - pump off elevation
Highest component of system = 535.7 Main HP
Pump off elevation = 524.40
Static Head = 11.30 feet
Friction Head = Head loss due to pipe friction
2.0" pipe = 191 feet
45° bends 8 loss for bend 32 feet per table 4.3
Gate Valve 0 loss for tee 0 feet per table 4.3
Friction loss per table 4.4 = 0.74 (ft/100 ft)
Equivalent Length = 223 Friction loss 1.65 feet
Total Friction Head = 1.65
Design Head = 12.95 feet

Pump Requirements:

Performance = 20.00 gpm
Head of Water = 12.95 feet of head

Pump Selection: Liberty Pump Company, Model 251-2
1/3 horse power

Pump Flow Rate = 31.00 gallons/minute
per rating curve. Run time: 4.52 Minutes
TDH analysis 14.96 ft
Between design and curve? Yes

Design Pump Chamber

Ground over Tank = 530.10
Top of Tank = 527.80
Invert of Tank = 522.71
6" Riser = 0.50 feet
Pump Height = 1.01 feet
Cover 2.30 ft

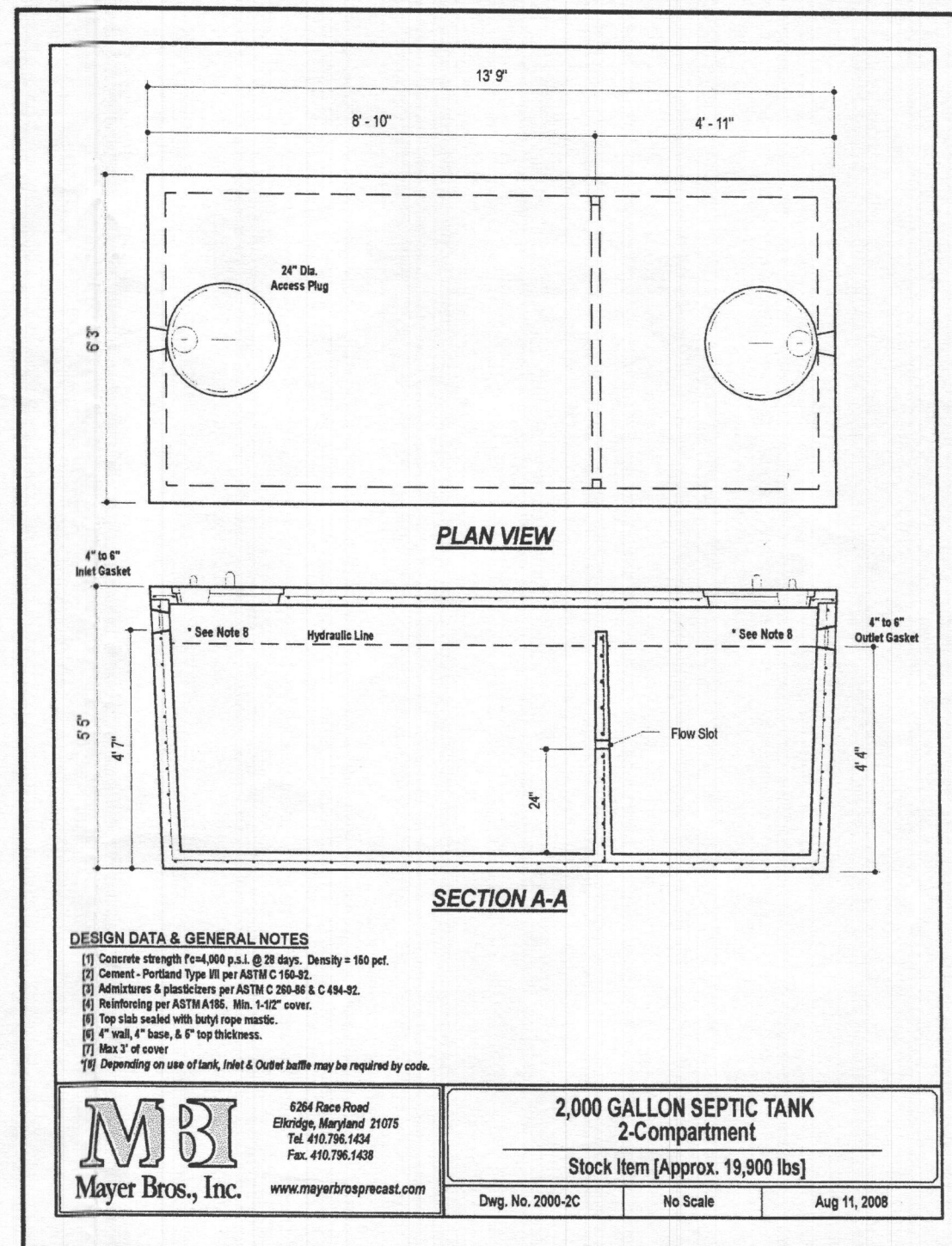
Min. Pump off = 524.22
Selected Pump off = 524.40

Dose = 18.7 cf
Area of Pit = 73.05 sf

Pump on dist. = 0.26
Pump on Elev. = 524.66

Distance between Pump on and Highwater Alarm = 0.5 feet
Highwater Alarm Elevation = 525.16

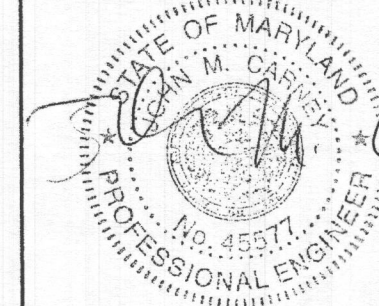
Dist. for day stored above alarm 1.37
Minimum Inlet Elev. = 526.53
Tank Inlet = 526.96 Okay
Dist. Alarm to Inlet = 1.80 Okay



SIGNATURE AND SEAL ARE FOR SEPTIC PROFILE AND CALCULATIONS ONLY, TANK, PUMP AND DETAILS WERE NOT DESIGNED OR REVIEWED BY THE ENGINEER:

THIS PLAN IS FOR SEPTIC DESIGN ONLY

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. 45577, Expiration Date: 06-08-2022.



4/16/21

SEE MANUFACTURER'S SPECIFICATIONS FOR DETAILS. EQUIVALENT FROM OTHER MANUFACTURERS CAN BE SUBSTITUTED.

OWNER:

PARK BROTHERS LLC
5200 TEN OAKS ROAD
CLARKSVILLE, MD 21029
443-829-9222

BENCHMARK

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 ▲ (F) 410-465-6644

WWW.BEJ-CIVLENGINEERING.COM

PROJECT: LINDEN CHAPEL WOODS LOT 3

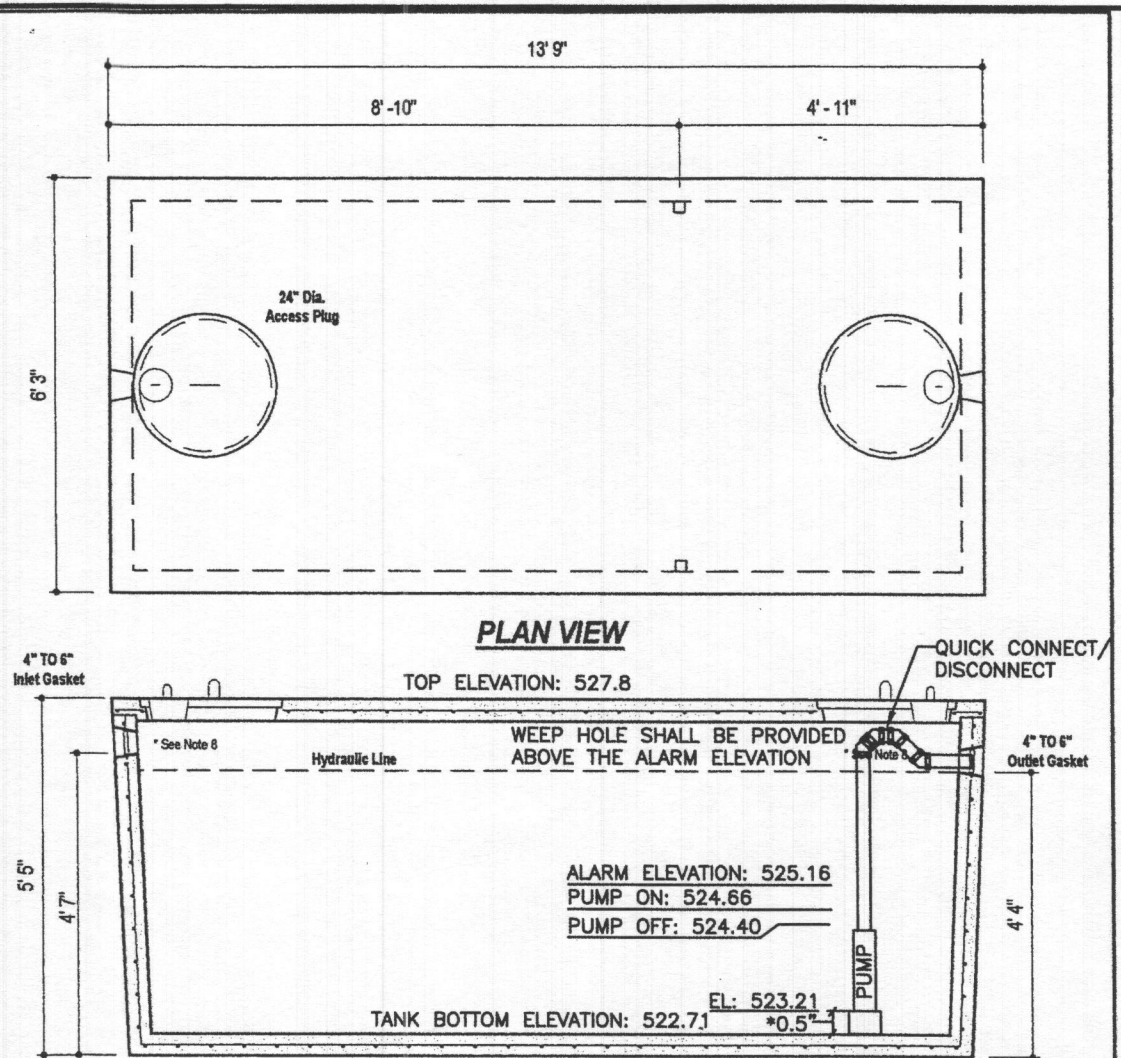
LOCATION: TAX MAP: 28, GRID: 14, PARCEL: 127
5178 TEN OAKS ROAD, TAX ID 05-368316
ELECTION DISTRICT NO. 4, HOWARD COUNTY, MARYLAND

TITLE: ONSITE SEWAGE DISPOSAL PLAN

HOUSE TYPE: CUSTOM REMODEL

DATE: APRIL, 2021 PROJECT NO. 2763

SCALE: AS SHOWN DRAWING 3 OF 4



DESIGN DATA & GENERAL NOTES

[1] Concrete strength $f_c=4,000$ p.s.i. @ 28 days. Density = 150 pcf.
 [2] Cement - Portland Type VII per ASTM C 150-92.
 [3] Admixtures & plasticizers per ASTM C 260-86 & C 494-92.
 [4] Reinforcing per ASTM A186. Min. 1-1/2" cover.
 [5] Top slab sealed with butyl rope mastic.
 [6] 4" wall, 4" base, & 8" top thickness.
 [7] Max 3' of cover.
 [8] Depending on use of tank, inlet & outlet baffle may be required by code.

MBI
 Mayer Bros., Inc.
 6264 Race Road
 Elkridge, Maryland 21075
 Tel. 410.796.1434
 Fax. 410.796.1438
 www.mayerbrosprecast.com

2,000 GALLON SEPTIC TANK
1-Compartment
 Stock Item [Approx. 19,000 lbs]
 Dwg. No. 2000-1C No Scale Aug. 11, 2008

Float Tree:	Elev.	Relative to Bottom
Bottom of Tank	522.71	
Top of Pump	524.22	1' 6 1/8"
Pump Off	524.40	1' 8 1/4"
Pump On	524.66	1' 11 5/16"
High Alarm	525.16	2' 5 5/16"

250-Series Technical Data

IMPELLER	VORTEX ENGINEERED POLYMER
SOLIDS HANDLING SIZE	1/2"
PAINT	POWDER COAT
MAX LIQUID TEMP	80°C / 180°F
MAX STATOR TEMP	130°C / 266°F
THERMAL OVERLOAD	105°C / 221°F
POWER CORD TYPE	SJTW (10 ft & 25 ft models) SJTCOW (35 ft & 50 ft models)
MOTOR HOUSING / VOLUTE	CLASS 25 CAST IRON
SHAFT	STAINLESS
HARDWARE	STAINLESS
O-RINGS	BUNA N
SEAL	ENGINEERED DOUBLE LIP SEAL WITH STAINLESS STEEL SPRINGS
WEIGHT	23 LBS.

250-Series Electrical Data

MODEL	HP	VOLTAGE	PHASE	FULL LOAD AMPS	LOCKED ROTOR AMPS	THERMAL OVERLOAD TEMP	STATOR WINDING CLASS	CORD LENGTH FT	DISCHARGE	AUTOMATIC
250	1/3	115	1	5.2	8	105°C / 221°F	B	10	1 1/2	NO MANUAL YES INTEGRAL FLOAT
251	1/3	115	1	5.2	8	105°C / 221°F	B	10	1 1/2	YES PIGGYBACK FLOAT
253	1/3	115	1	5.2	8	105°C / 221°F	B	10	1 1/2	YES INTEGRAL VERTICAL FLOAT
257	1/3	115	1	5.2	8	105°C / 221°F	B	10	1 1/2	YES INTEGRAL VERTICAL FLOAT

250-Series Cord Length Options*

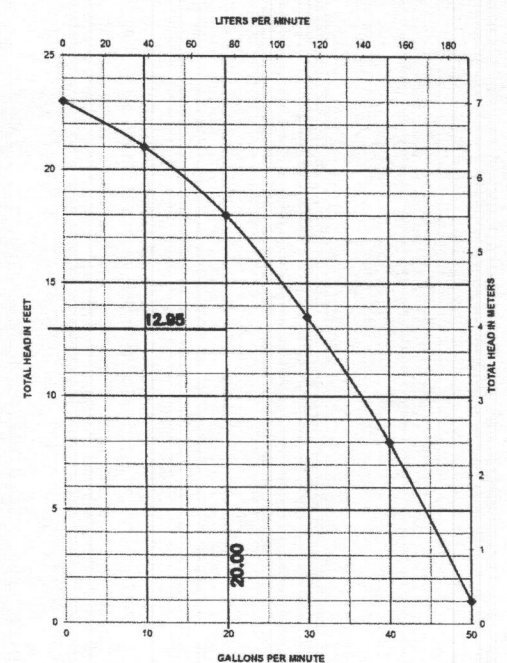
Model	10'	25'(-2)	35'(-3)	50'(-5)
250	Standard	Optional	Optional	Optional
251	Standard	Optional	Optional	Optional
253	Standard	Optional	Optional	N/A
257	Standard	Optional	N/A	N/A

10' cord length standard on all models. For optional lengths, add "-2", "-3" or "-5" suffix to model number.
 Example: for model 250 with 35' cord, Order 250-3

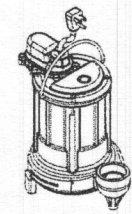
WARNING: *Always use a replacement power cord assembly of the same length and type as originally installed on the Liberty Pumps product. Using a cord of improper gauge or length may lead to exceeding the electrical rating of the cord and could result in death, injury, fire or other significant failure.

OWNER:
 PARK BROTHERS LLC
 5200 TEN OAKS ROAD
 CLARKSVILLE, MD 21029
 443-829-9222

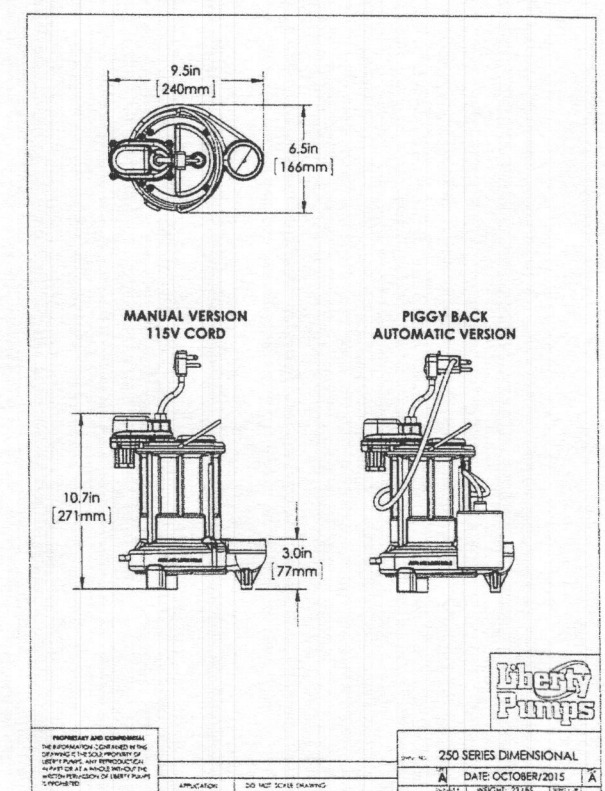
Liberty Pumps
Pump Specifications
250-Series Submersible Sump / Effluent Pump



250_P1 8/11/2018 ©Copyright 2018 Liberty Pumps Inc. All rights reserved. Specifications subject to change without notice.



250-Series Dimensional Data



250_P2 8/11/2018 ©Copyright 2018 Liberty Pumps Inc. All rights reserved. Specifications subject to change without notice.



SIGNATURE AND SEAL ARE FOR SEPTIC PROFILE AND CALCULATIONS ONLY, TANK, PUMP AND DETAILS WERE NOT DESIGNED OR REVIEWED BY THE ENGINEER:
THIS PLAN IS FOR SEPTIC DESIGN ONLY

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. 45577, Expiration Date: 06-08-2022.

STATE OF MARYLAND
JOHN M. CARNEY
PROFESSIONAL ENGINEER
 No. 45577

4/16/21

SEE MANUFACTURER'S SPECIFICATIONS FOR DETAILS. EQUIVALENT FROM OTHER MANUFACTURERS CAN BE SUBSTITUTED.

PROJECT: LINDEN CHAPEL WOODS LOT 3

LOCATION: TAX MAP: 28, GRID: 14, PARCEL: 127
 5178 TEN OAKS ROAD, TAX ID 05-368316
 ELECTION DISTRICT NO. 4, HOWARD COUNTY, MARYLAND

TITLE: ONSITE SEWAGE DISPOSAL PLAN

HOUSE TYPE: CUSTOM REMODEL

DATE: APRIL, 2021 **PROJECT NO.** 2763

SCALE: AS SHOWN **DRAWING** 4 **OF** 4

Approved Septic System Plan
 Howard County Health Department
 Signature: [Signature] Date: 5/10/2021