

Oswald Jr, Woodin

From: Oswald Jr, Woodin
Sent: Tuesday, December 10, 2024 8:35 AM
To: jim@jnmengineeringllc.com
Subject: Rev #1 Plan Review Comments_11935 Simpson Road

Hi Jim,

The OSDS Plan (revision #1) for 11935 Simpson Road has been reviewed with the following comments:

1. Both tanks still exceed 3 feet in depth.
2. The design point is beyond the end of the pump curve. It's best to choose a pump where the design point is more towards the center of the curve, but not above. A 1/3 hp should be adequate. You may want try a different manufacturer.
3. The elevation # in the *distribution box detail* still don't match the elevation # in the *septic system profile*.

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

Regards,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
(410) 313 - 1786
www.hchealth.org

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Oswald Jr, Woodin

From: Oswald Jr, Woodin
Sent: Monday, January 12, 2026 1:57 PM
To: Jim Witmer
Subject: OSDS Plan_11935 Simpson Road

Hi Jim,

It was brought my attention that the house foot print shown on the OSDS Plan did not include the conservatory. Would you be able to revise the OSDS Plan to show the conservatory and submit two copies for the file? That's the only change.

Thanks,

Hank

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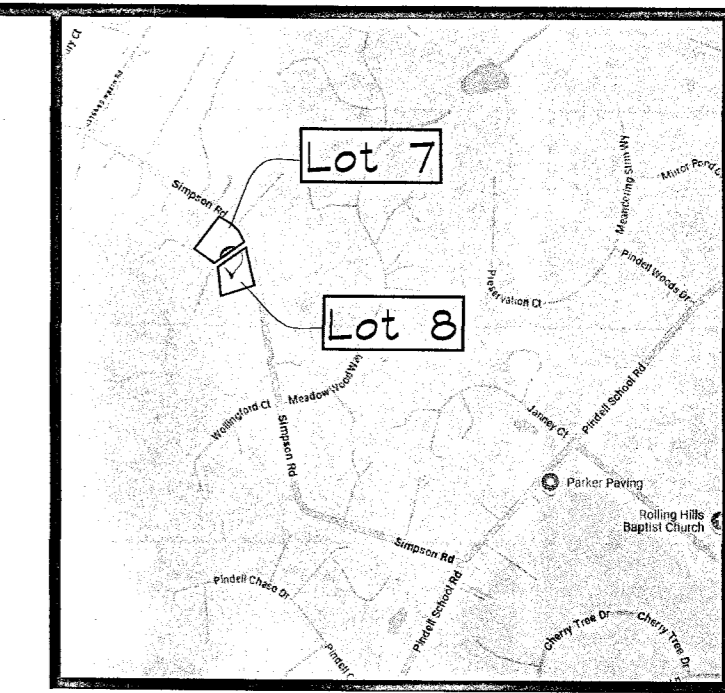
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GENERAL NOTES

- THIS PROPERTY IS ZONED RR-DEO.
- THE PROPERTY BOUNDARY SHOWN IS BASED ON CURRENT PLAT AND A SURVEY CONDUCTED BY JNM ENGINEERING, LLC DATE APRIL, 2024.
- DEED REFERENCE: LIBER 4770 FOLIO 303.
- THE EXISTING TOPOGRAPHY ONSITE IS BASED ON A FIELD RUN SURVEY CONDUCTED BY JNM ENGINEERING IN APRIL, 2024. OFFSITE TOPOGRAPHY IS BASED ON HOWARD COUNTY GIS.
- ADJUSTMENTS TO THE SEPTIC AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- SOIL TYPES SHOWN ON THIS PLAN ARE FROM THE USDA WEB SOIL SURVEY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS AND SEWERAGE DISPOSAL AREAS AND COMPONENTS WITHIN 100'-FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING/PROPOSED WELLS 200' DOWN GRADIENT FROM EXISTING OR PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- THIS LOT WAS CREATED BY PLAT (14485) DATED OCTOBER 26, 2000.
- SEPTIC TANK AND PUMP CHAMBERS COVER DEPTHS SHALL NOT EXCEED 3'-FEET UNLESS DESIGNED AND APPROVED NOTING A TRAFFIC BEARING LID.
- 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 PLAN MAY BE REQUIRED.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3'-FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- ALL WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED AND ARE ACCURATELY SHOWN.
- THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE EXISTING WELL AND PROPOSED WELL BOX AND EXISTING SEWERAGE DISPOSAL AREA LOCATIONS AS SHOWN ON THIS PLAN A RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW THE EXISTING WELLS AND WELL BOX ON 11935 SIMPSON ROAD TO BE DOWNGRADIENT OF THE SEWERAGE DISPOSAL AREA ON 11945 SIMPSON ROAD, PURSUANT TO THE FOLLOWING CONDITIONS:
A. FUTURE WELL MUST BE STEEL CASED 50'-FEET IN DEPTH OR 10'-FEET INTO COMPETENT BEDROCK, WHICHEVER IS GREATER.

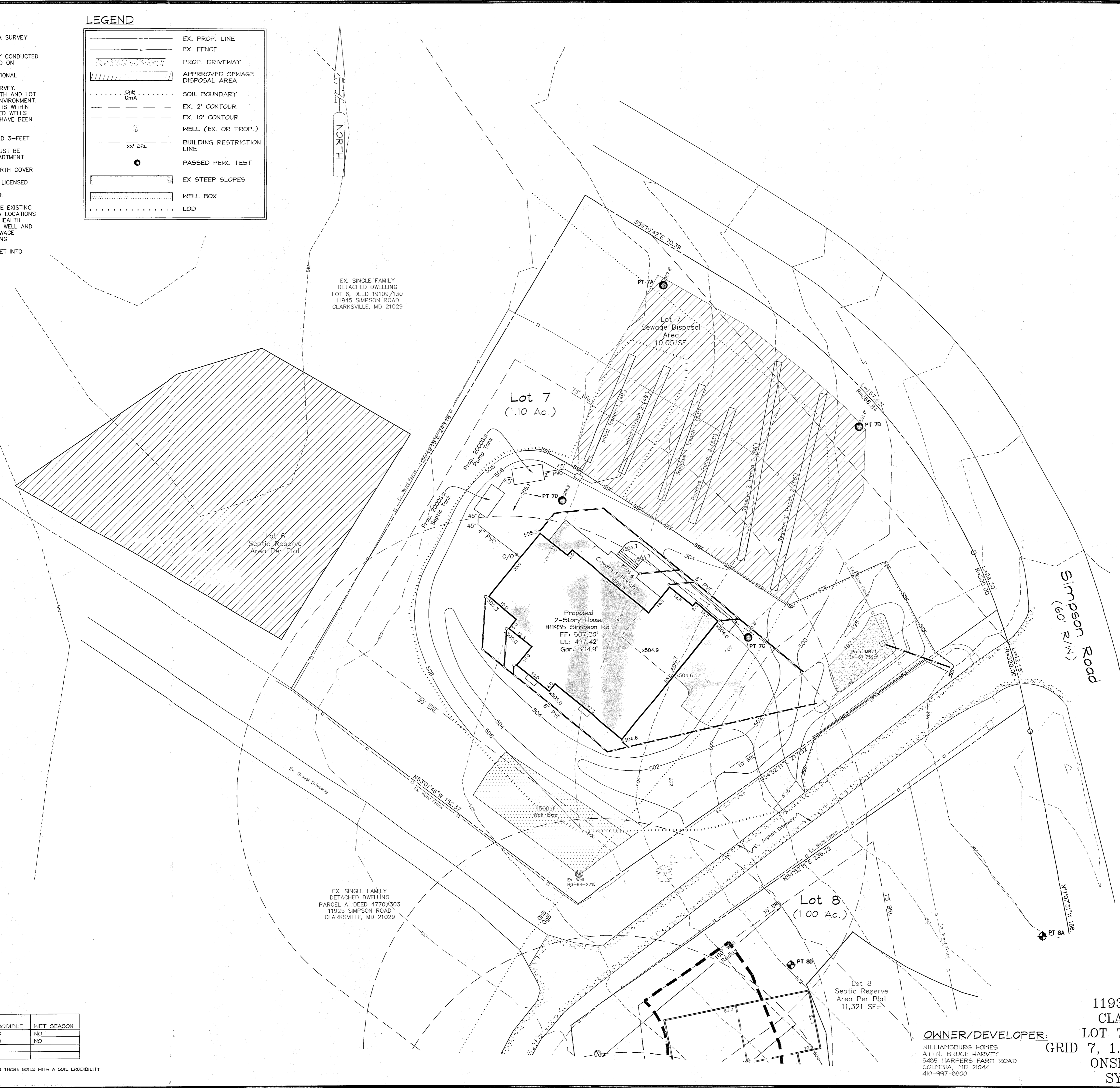
LEGEND

	EX. PROP. LINE
	EX. FENCE
	PROP. DRIVEWAY
	APPROVED SEWERAGE DISPOSAL AREA
	GnB GnA
	SOIL BOUNDARY
	EX. 2' CONTOUR
	EX. 10' CONTOUR
	WELL (EX. OR PROP.)
	BUILDING RESTRICTION LINE
	PASSED PERC TEST
	EX STEEP SLOPES
	WELL BOX
	LOD



VICINITY MAP

DATE	03/23
PROJECT	22-0812
ILLUSTRATION	JWW
ENGINEERING	NA
APPROVAL	JWW
SCALE	1" = 20'



EX. SINGLE FAMILY DETACHED DWELLING LOT 6, DEED 19109/130 11945 SIMPSON ROAD CLARKSVILLE, MD 21029

Lot 6 Septic Reserve Area Per Plat

Lot 7 (1.10 Ac.)

Lot 7 Sewage Disposal Area 10,051SF

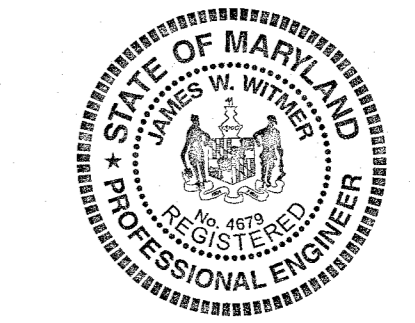
Proposed 2-Story House #11935 Simpson Rd. FF: 507.30' LL: 497.42' Gar: 504.9'

1500sf Well Box

Lot 8 (1.00 Ac.)

Lot 8 Septic Reserve Area Per Plat 11,321 SF

Simpson Road (60' R/W)



Approved Septic System Plan
Howard County Health Department
James W. Wilber
Signature Date

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21931, EXPIRATION 12/18/2024.
James W. Wilber
DATE 11/8/2024

SOILS DATA TABLE

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	WET SEASON
GnB	Glenelg urban land comp., 0%-8%	NO	0.37	NO	NO
GnB	Glenelg Loam, 3%-8% Slopes	NO	0.24	NO	NO

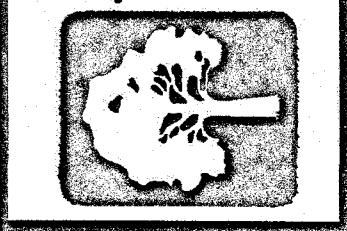
* SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEBSITE
NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.

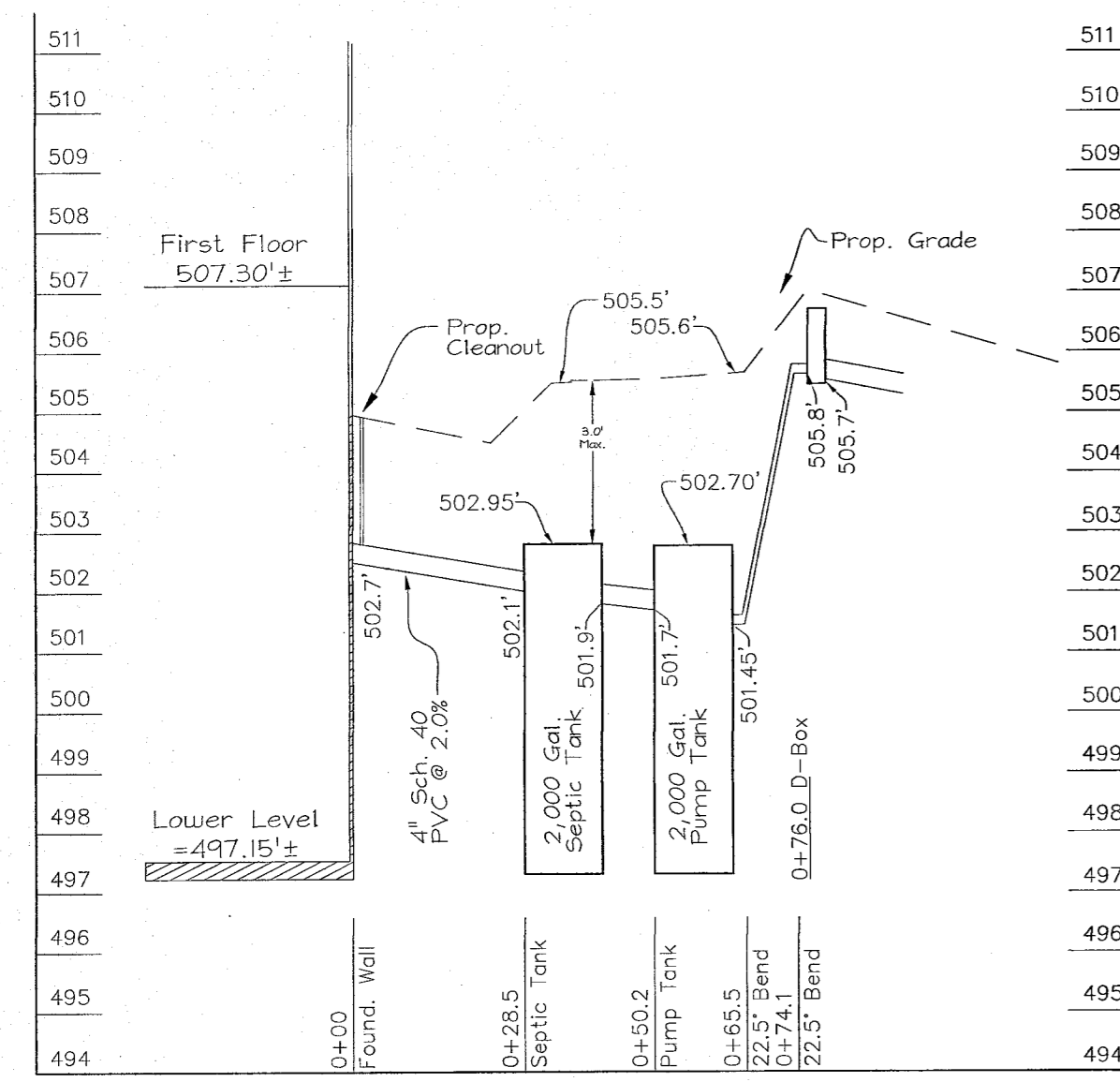
OWNER/DEVELOPER:
WILLIAMSBURG HOMES
ATTN: BRUCE HARVEY
5425 HARPERS FARM ROAD
COLUMBIA, MD 21044
410-997-8800

11935 SW SIMPSON ROAD
CLARKSVILLE, MD 21029
LOT 7, PLAT 14485, MAP 41
GRID 7, 1.12 ACRES, ACCT#05-434351
ONSITE SEWERAGE DISPOSAL
SYSTEM DESIGN PLAN

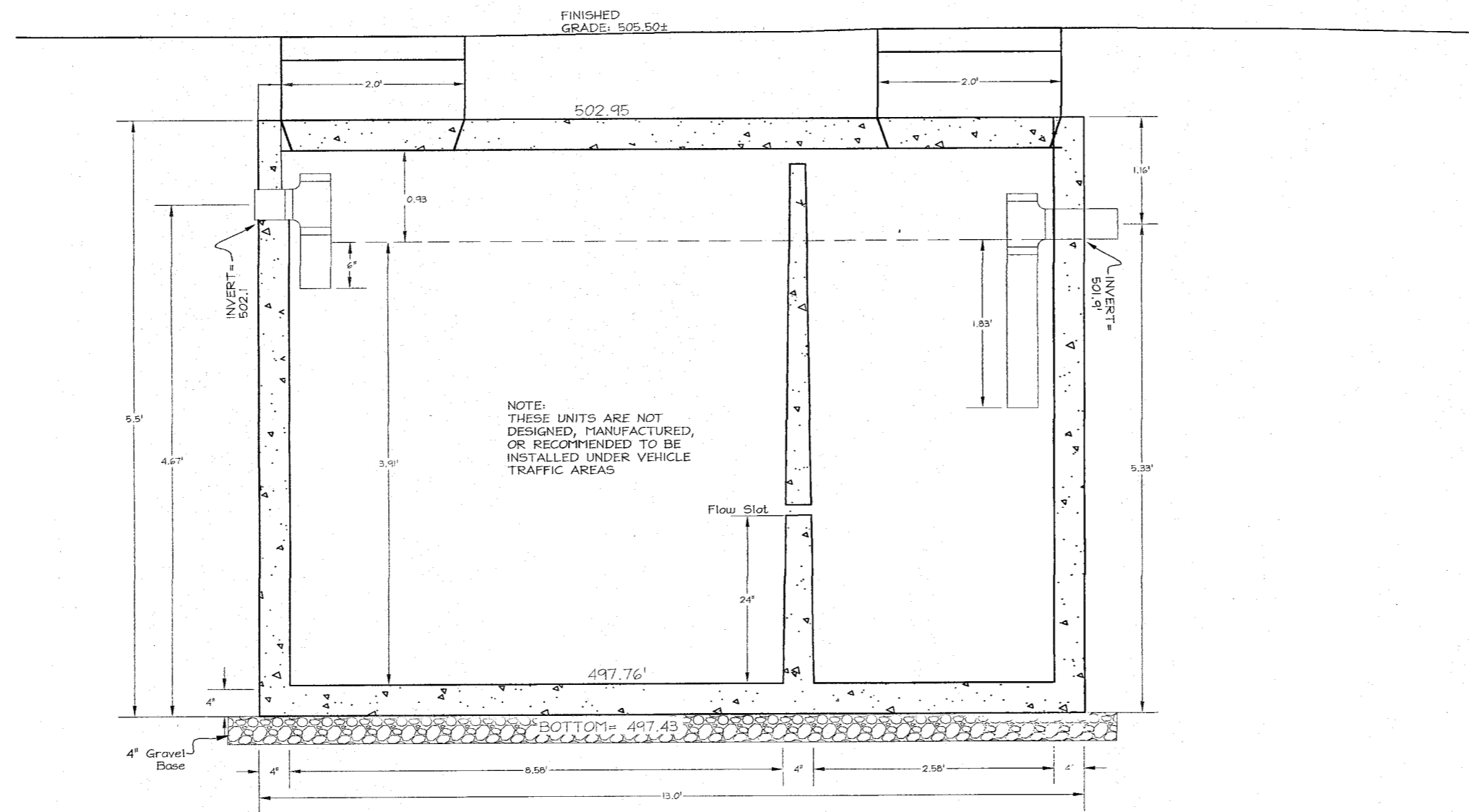
11935 SW SIMPSON ROAD
TAX MAP 41, LOT 7, PLAT 14485, 1.12 ACRES
ELECT. DIST. 5, HOWARD COUNTY, MARYLAND
ONSITE SEWERAGE DISPOSAL DESIGN PLAN

JNM ENGINEERING, LLC
CIVIL ENGINEERING, SURVEYING, LAND PLANNING,
ENVIRONMENTAL, AGRICULTURE, LEED PROFESSIONALS
1105 LEAFY HOLLOW CIRCLE, MOUNT AIRY, MD 21771
(301) 514-2809, JNMENGINEERINGLLC.COM

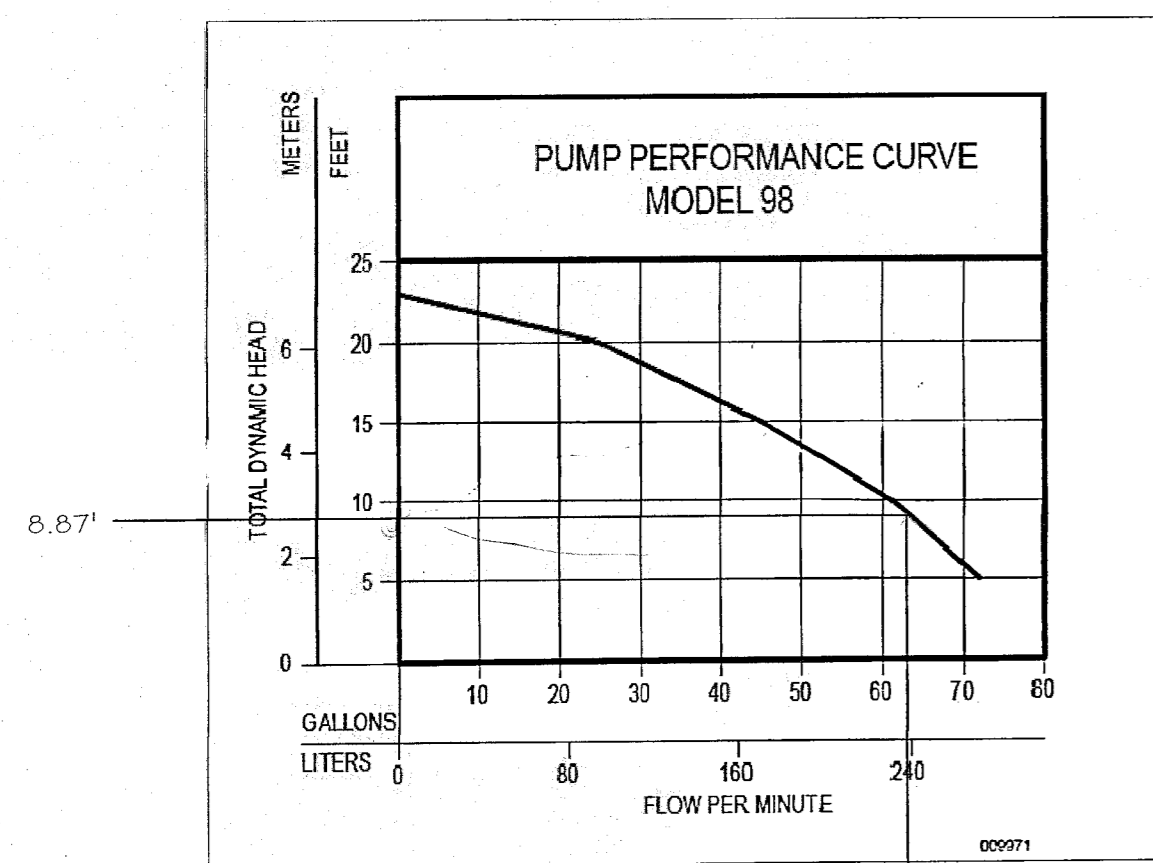




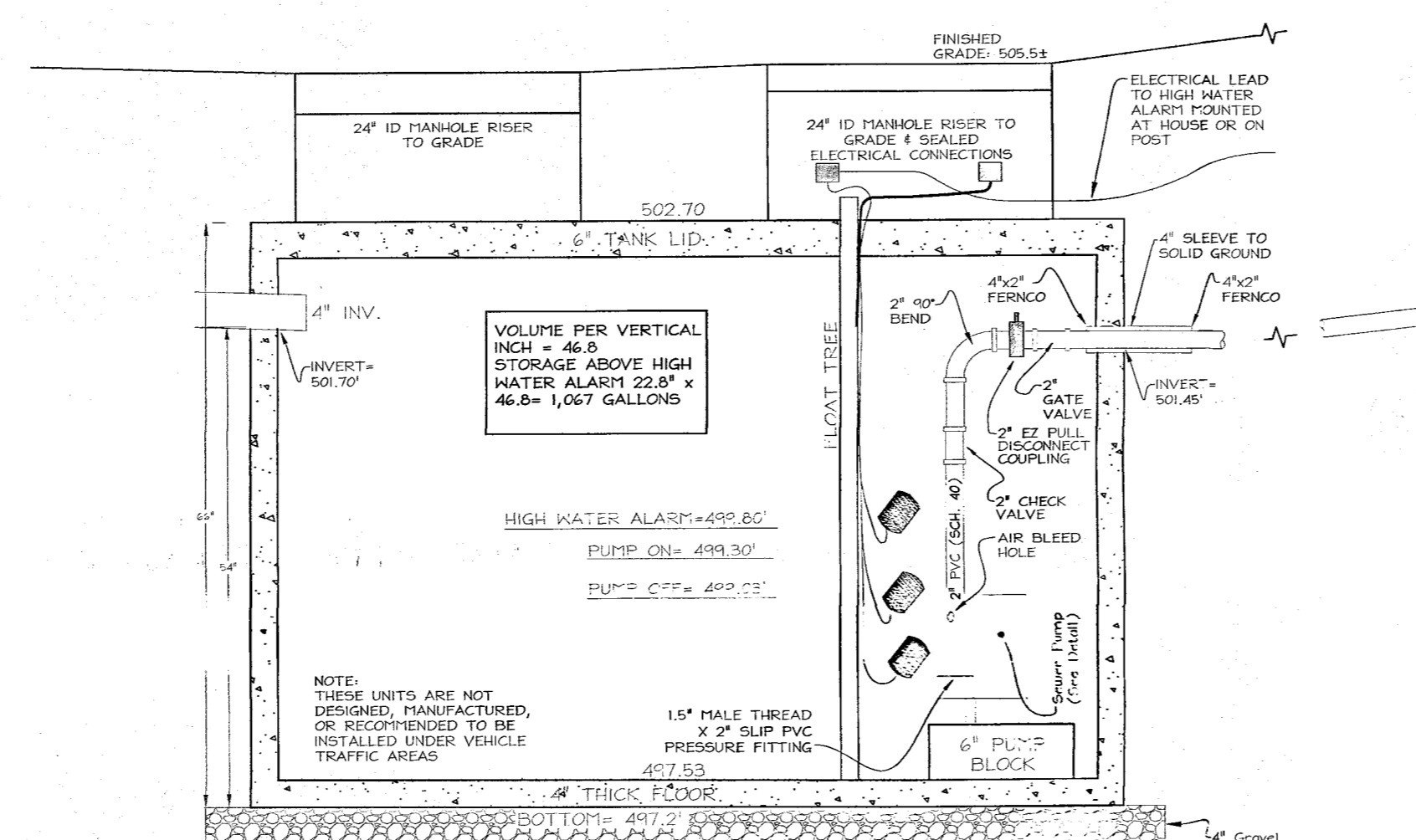
Septic System Profile
HOR.: 1"=30'
VERTICAL: 1"=3'



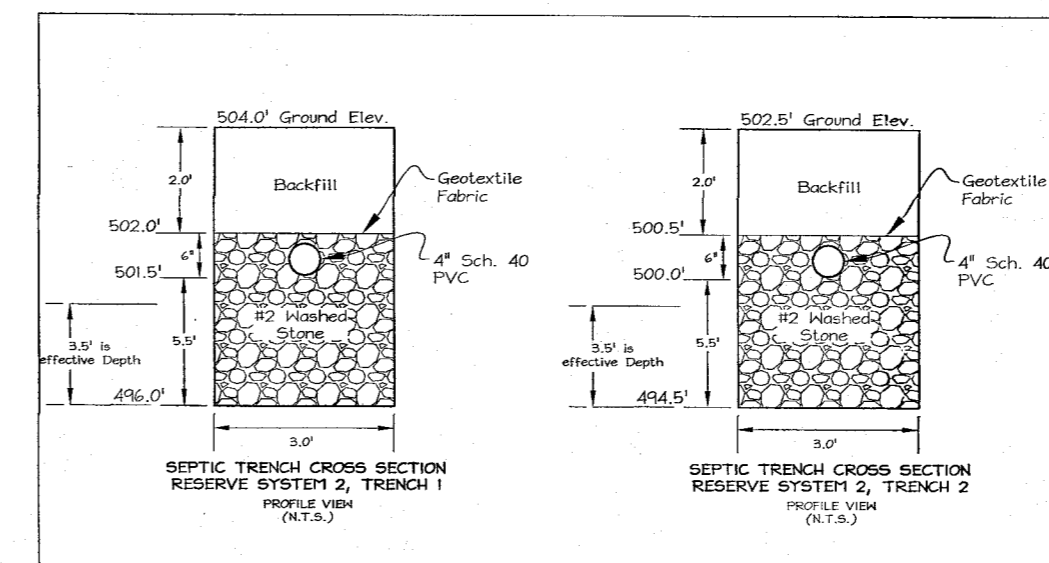
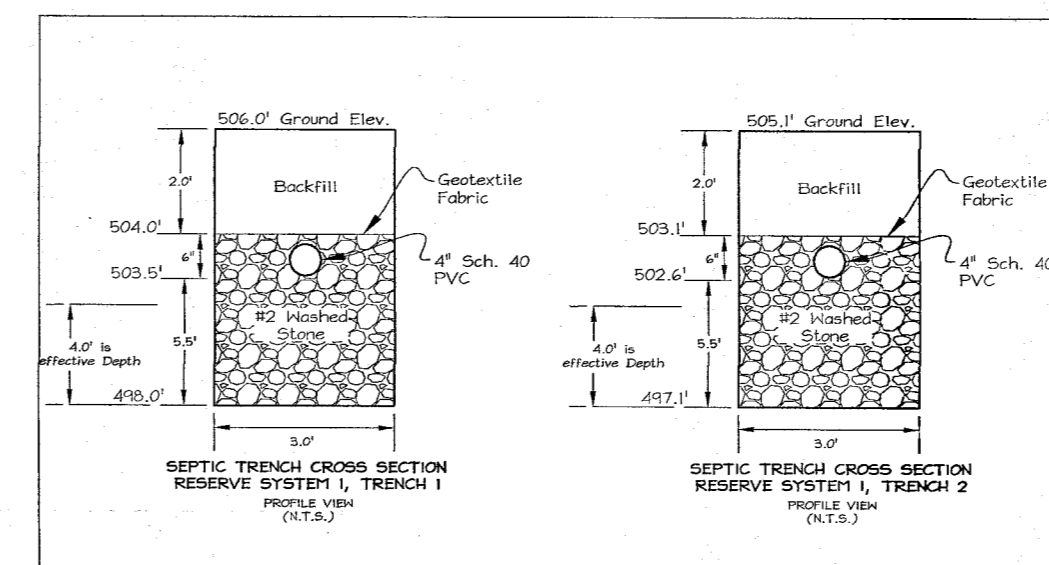
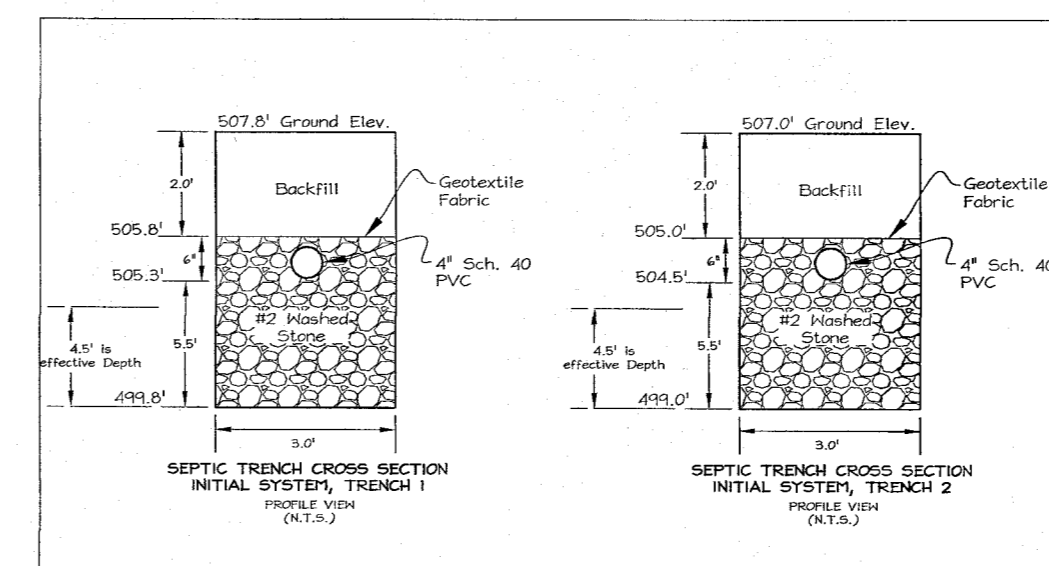
PROP. SEPTIC TANK
BABYLON 2,000 GALLON, TOP SEAT,
TWO-COMPARTMENT SEPTIC TANK OR
APPROVED EQUIVALENT
PROFILE VIEW
(N.T.S.)



63 GPM



PROP. PUMP CHAMBER
BABYLON 2,000 GALLON, TOP SEAT,
SINGLE-COMPARTMENT PUMP CHAMBER OR
APPROVED EQUIVALENT
PROFILE VIEW
(N.T.S.)



SEPTIC SIZING
System Requirements (1 initial and 2 replacements)
Proposed Number of Bedrooms: 6
Design Load: 300 Gal/Day
Initial System:
Initial System
Effluent Start Depth: 3.5'
Max. Bottom Trench Depth: 8'
Inlet Depth: 2.5'
Absorption Area Required: 1000/2=500
750/2= 375
1500/2= 750
Total Trench Length Required: 97'-feet (Two at 49')

Replacement System 1
Effective Start Depth: 4.0'
Max. Bottom Trench Depth: 8'
Inlet Depth: 2.5'
900 GPD
900/2= 450
750/2= 375
250x38 (4.0' Sloped)= 104.2 LF Required
(Install 2- 53' long trenches)

Replacement System 2
Effective Start Depth: 4.2'
Max. Bottom Trench Depth: 8'
Inlet Depth: 2.5'
900 GPD
900/2= 450
1120/2= 560
375x38 (3.5' Sloped)= 170.45 LF Required
(Install 2- 80' long trenches)

DESIGN FLOW			
Design flow= 300 gal/day (6 bedroom house)			
TOTAL DESIGN HEAD AND PUMP SPECIFICATIONS			
DETERMINE TOTAL DESIGN HEAD:			
Static Head=	6.77	(relative elevation of pump off float to invert on of distribution box)	
PVC Pipe Fittings	No. of Fittings	Eqn. Pipe Length	Total Length
2" PVC Pipe	n/a	18.4	18.4
Check Valve	1	14	14
90 deg. Bend (2")	1	7 ft	7 ft
Gate Valve	1	1.3 ft	1.3 ft
22.5-45 deg. Bend (2")	3	4.0 ft	12
			52.7
Specify Flow (Per Pump)=	63		
Friction Loss per 100ft (2" PVC) (table 4.4) =	3.98		
Friction Head =	2.10	(pipe length from above and apply friction loss factor from table 4.4)	
Total Design Head =	8.87	(static head + friction loss)	
DETERMINE THE PUMP REQUIREMENTS:			
Effluent must be capable of providing	63 gal/min	8.87 of head	
Use the following pump model:	Model 98, 1/2 HP, Zoeller Pump		
CHECK CYCLE TIME			
Height from "pump off" to "pump on":	3.2"	with 1500 gallon pump chamber	
Pump Cycle Time:	2.37 min	OK	
CHECK PUMP CHAMBER SIZE			
DETERMINE THE PUMP DOSE:			
Pump Dose=	150.4 gal.		
DETERMINE THE REQUIRED PUMP CHAMBER SIZE:			
One day storage capacity + one dose=	1050.4 gal.	OK	

Pump Chamber Storage Calculations with gravity flow into trenches	
PUMP CHAMBER SPECIFICATIONS	
Pump chamber volume (available for storage) =	2000 gallons
Pump chamber type [Enter "R" for rectangular or "C" for circular]:	R
L - Interior tank length =	148.0 inches
W - Interior tank width =	73.0 inches
A - Cross-sectional area: For rectangular chamber, L X W =	10804 sq. inches = 46.8 gal./sq. ft.
H - Interior tank height (height to inlet unless otherwise approved) =	50.0 inches
pR - Pump riser height =	6 inches
SITE INFORMATION/VOLUME CALCULATIONS	
Q - System design flow =	900 gpd
Number of doses/day =	6 doses/day
Vd - Dose volume = Q / number of doses per day =	150 gallons
Elevation of inside bottom (floor) of pump chamber =	497.53 feet
Pump height =	12.01 inches
Lf - Length of force main =	18.4 feet
Dp - Inside diameter of force main which will drain back to the pump chamber =	2.03 inches
** Siphon breaker hole required unless otherwise approved	
Volume of effluent per 100 linear feet of pipe draining back =	2.25 gallons
Length of pipe which will drain back to the pump chamber =	18.4 feet
Vp - Volume of effluent which will drain back to the pump chamber =	0.41 gallons
Vc - Volume required per pump cycle = Vd + Vp =	150.41 gallons
Ez - Elevation of invert at distribution box or crest of force main =	505.80 feet
FLOAT SETTINGS	
Pump off float setting (set so that pump remains submerged) =	18.0 inches
Eo - Pump off float setting equates to an elevation of	499.03 feet
Distance req'd. bin on and off floats = Vc X 231 cubic inches per gallon / A =	3.2 inches
Pump on float setting = off float setting + distance bin on and off floats =	21.2 inches
Pump on float setting equates to an elevation of	499.30 feet
Ah - High water alarm setting = pump on float setting + 6 inches	27.2 inches
High water alarm setting equates to an elevation of	499.80 feet
STORAGE/PUMP REQUIREMENTS	
Height of storage remaining above high water alarm = H - Ah =	22.8 inches = 1065 gallons

OWNER/DEVELOPER:
WILLIAMSBURG HOMES
ATTN: BRUCE HARVEY
5485 HARPERS FARM ROAD
COLMBIA, MD 21044
410-947-8900

11935 SW SIMPSON ROAD
CLARKSVILLE, MD 21029
LOT 7, PLAT 14485, MAP 41
GRID 7, 1.12 ACRES, ACCT#05-434351
ONSITE SEWAGE DISPOSAL
SYSTEM DESIGN PLAN

DATE	REVISION	BY	DATE
22-0812			
03/23			

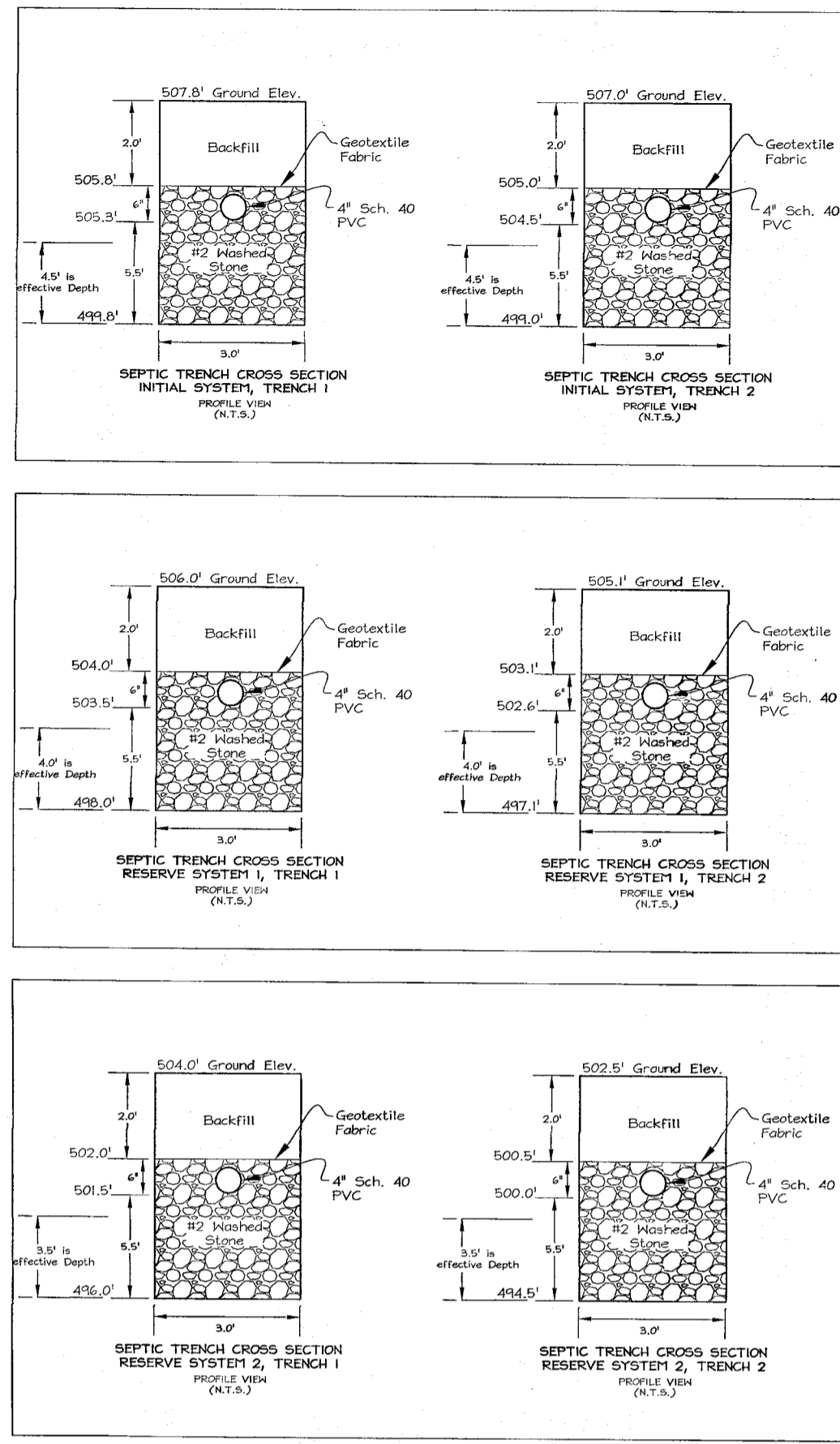
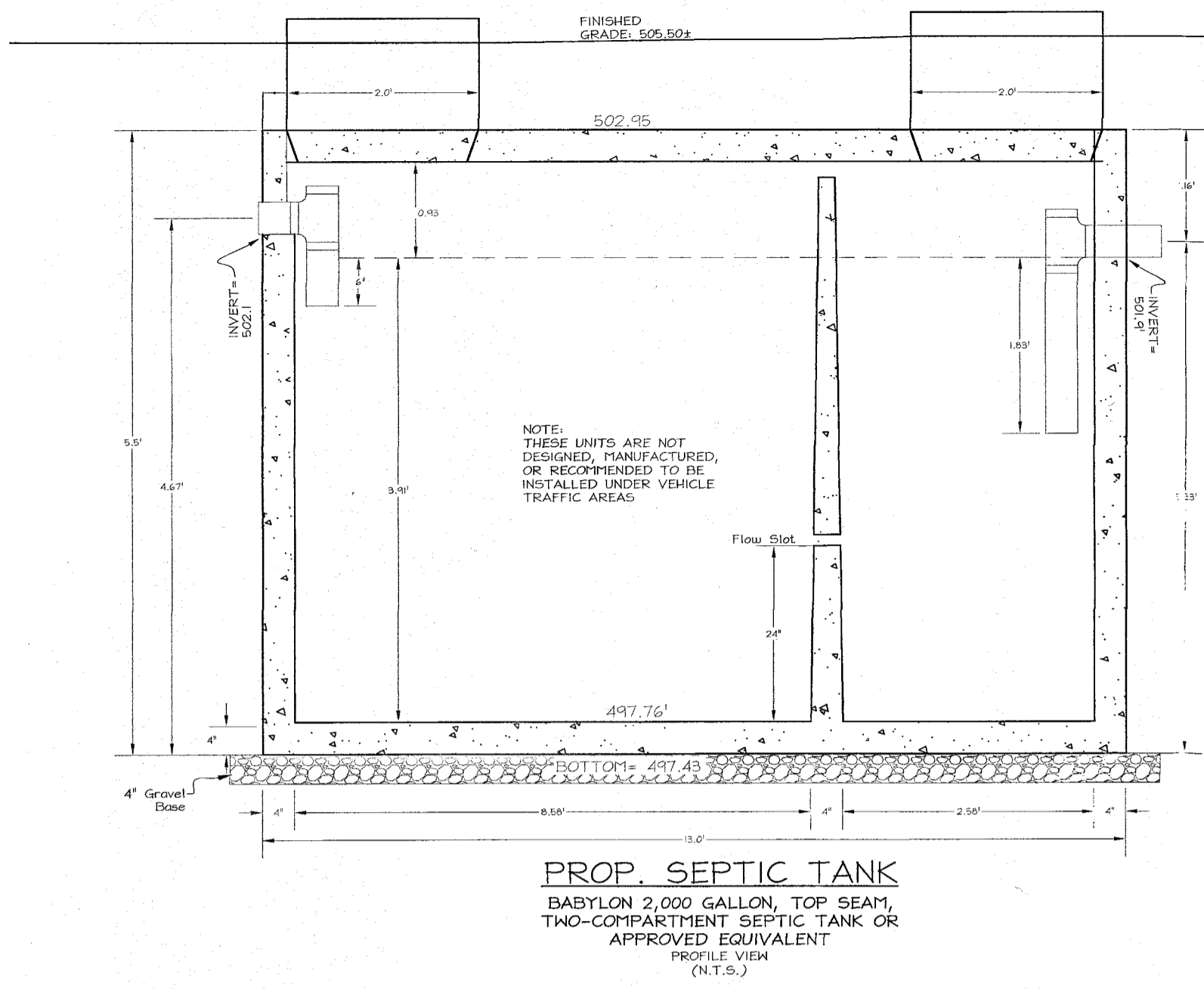
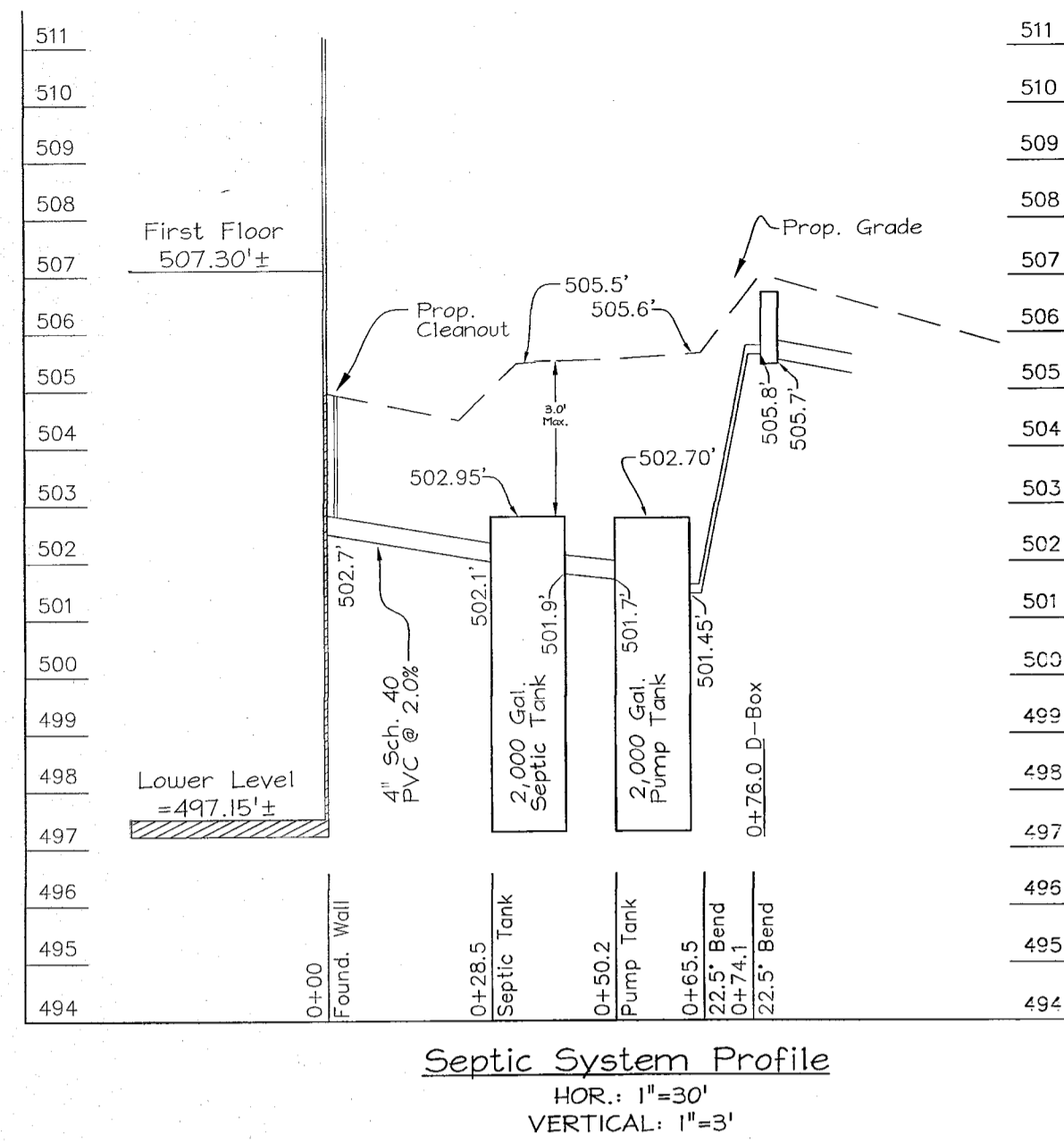
11935 SW SIMPSON ROAD
TAX MAP 41, LOT 7, PLAT 14485, 1.12 ACRES
ELECT. DIST. 5, HONARD COUNTY, MARYLAND
ONSITE SEWAGE DISPOSAL DESIGN PLAN

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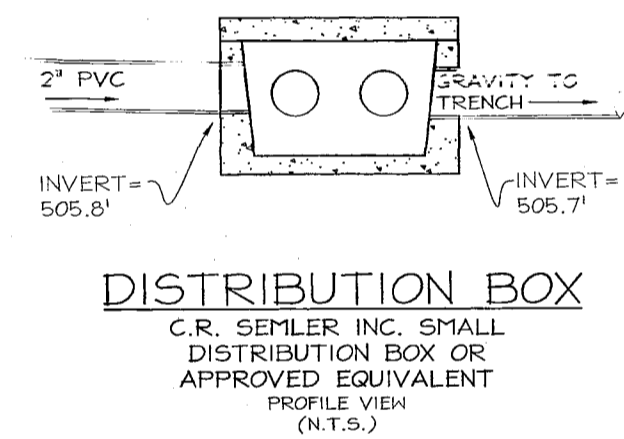
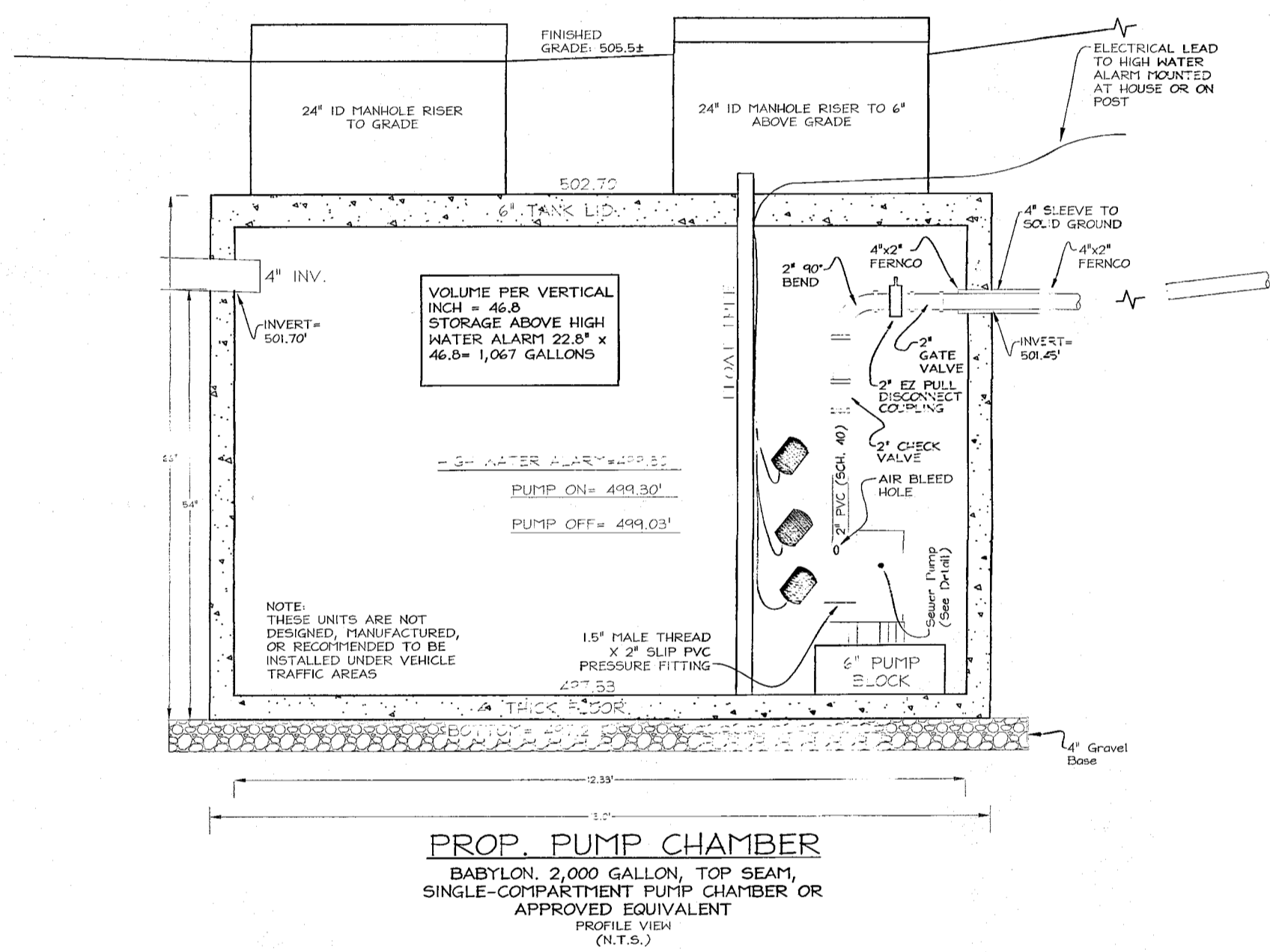
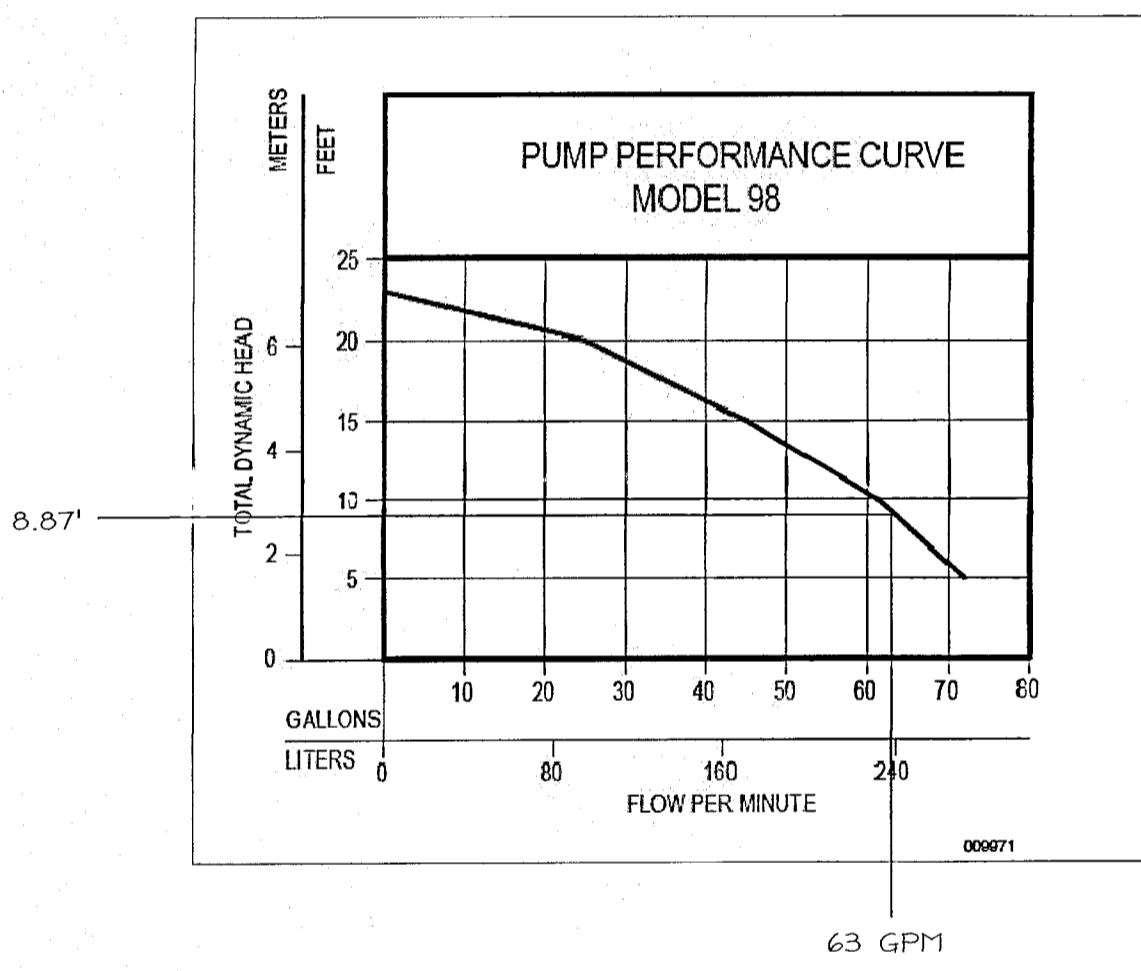
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME, AND THAT I AM A DULY LICENSED
PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF
MARYLAND, LICENSE NO. 21931, EXPIRATION 12/16/2024.

JAMES W. WINTER, P.S.
11/8/2024
DATE

2 OF 2



SEPTIC SIZING
 System Requirements (1 toilet and 2 replacements).
 Proposed Number of Bedrooms: 6
 Design Load: 900 Gal/Day
 Initial System:
 Initial System
 Effective Start Depth: 3.5'
 Maximum Bottom Trench Depth: 8'
 Inlet Depth: 2.5'
 Absorption Area Required: 900/1.2=750
 750/2.5=300
 300/1.25=240
 240/2.5=96
 Total Trench Length Required: 97-feet (Two at 49')
 Replacement System 1
 Effective Start Depth: 4.0'
 Max. Bottom Trench Depth: 8'
 Inlet Depth: 2.5'
 900/2.5=360
 360/1.2=300
 300/2.5=120
 120/2.5=48
 48/2.5=19.2
 Total Trench Length Required: 104.2 LF Required
 (Install 2- 53' long trenches)
 Replacement System 3
 Effective Start Depth: 4.5'
 Max. Bottom Trench Depth: 8'
 Inlet Depth: 2.5'
 900/2.5=360
 360/1.2=300
 300/2.5=120
 120/2.5=48
 48/2.5=19.2
 Total Trench Length Required: 110.45 LF Required
 (Install 2- 55' long trenches)

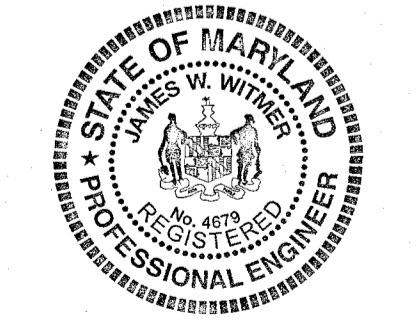


DESIGN FLOW			
Design flow= 900 gal/day (6 bedroom house)			
TOTAL DESIGN HEAD AND PUMP SPECIFICATIONS			
DETERMINE TOTAL DESIGN HEAD:			
Static Head=	6.77	(relative elevation of pump off float to invert out of distribution box)	
PVC Pipe Fittings	No. of Fittings	Eqiv. Pipe Length	Total Length
2" PVC Pipe	n/a	18.4	18.4
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Gate Valve	1	1.3 ft	1.3 ft
22.5-45 deg. Bend (2")	3	4.0 ft	12
			52.7
Specify Flow (Per Pump)=	63		
Friction Loss per 100ft (2" PVC) (table 4.4) =	3.98		
Friction Head =	2.10	(pipe length from above and apply friction loss factor from table 4.4)	
Total Design Head =	8.87	(static head + friction head)	
DETERMINE THE PUMP REQUIREMENTS:			
Effluent must be capable of providing	63 gal/min	8.87	of head
Use the following pump model:	Model 98, 1/2 HP, Zoeller Pump		
CHECK CYCLE TIME			
Height from "pump off" to "pump on":	3.2"	with 1500 gallon pump chamber	
Pump Cycle Time:	2.37 min	OK	
CHECK PUMP CHAMBER SIZE			
DETERMINE THE PUMP DOSE:	Pump Dose= 150.4 gal.		
DETERMINE THE REQUIRED PUMP CHAMBER SIZE:	One day storage capacity + one dose= 1050.4 gal. OK		

Pump Chamber Storage Calculations with gravity flow into trenches	
PUMP CHAMBER SPECIFICATIONS	
Pump chamber volume (available for storage) =	2000 gallons
Pump chamber type (Enter "R" for rectangular or "C" for circular):	R
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W- Interior tank width =	73.0 inches
A- Cross-sectional area: For rectangular chamber, L X W =	10804 sq. inches = 46.8 sq. ft. of area
H- Interior tank height (height to inlet unless otherwise approved) =	50.0 inches
pR- Pump riser height =	6 inches
SITE INFORMATION/VOLUME CALCULATIONS	
Q- System design flow =	900 gpd
Number of doses/day =	6 doses/day
Vd- Dose volume = Q / number of doses per day =	150 gallons
Elevation of inside bottom (floor) of pump chamber =	497.53 feet
Pump height =	12.01 inches
Lf- Length of force main =	18.4 feet
Dp- Inside diameter of force main which will drain back to the pump chamber =	2.03 inches
** Siphon breaker hole required unless otherwise approved	
Volume of effluent per 100 linear feet of pipe draining back =	2.25 gallons
Length of pipe which will drain back to the pump chamber =	18.4 feet
Vp- Volume of effluent which will drain back to the pump chamber =	0.41 gallons
Vc- Volume required per pump cycle = Vd + Vp =	150.41 gallons
Ez- Elevation of invert at distribution box or crest of force main =	505.80 feet
FLOAT SETTINGS	
Pump off float setting (feet so that pump remains submerged) =	18.0 inches
Eo- Pump off float setting equates to an elevation of	499.63 feet
Distance req'd. lift on and off floats = (Vc X 2.31 cubic inches per gallon) / A =	3.2 inches → 150.4 gallons
Pump on float setting = float setting + distance lift on and off floats =	21.2 inches
Pump on float setting equates to an elevation of	499.30 feet
Ah- High water alarm setting = pump on float setting + 6 inches	27.2 inches
High water alarm setting equates to an elevation of	499.60 feet
STORAGE/PUMP REQUIREMENTS	
Height of storage remaining above high water alarm = H - Ah =	22.8 inches = 1055 gallons

Approved Septic System Plan
 Howard County Health Department
 Hank Osmond
 Signature
 12/11/24
 Date

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 JAMES WITHER, P.E.
 1/7/2024
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 ATTN: BRUCE HARVEY
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 COLUMBIA, MD 21044
 410-947-8800

11935 SW SIMPSON ROAD
 CLARKSVILLE, MD 21029
 LOT 7, PLAT 14485, MAP 41
 GRID 7, 1.12 ACRES, ACCT#05-434351
 ONSITE SEWAGE DISPOSAL
 SYSTEM DESIGN PLAN

DATE: 03/23
 PROJECT: 22-0812
 ENGINEERING: JWW
 ILLUSTRATION: JWW
 SCALE: 1"=20'
 APPROVAL: JWW

11935 SW SIMPSON ROAD
 TAX MAP 41, LOT 7, PLAT 14485, 1.12 ACRES
 ELECT. DIST. 5, HOWARD COUNTY, MARYLAND
 ONSITE SEWAGE DISPOSAL DESIGN PLAN

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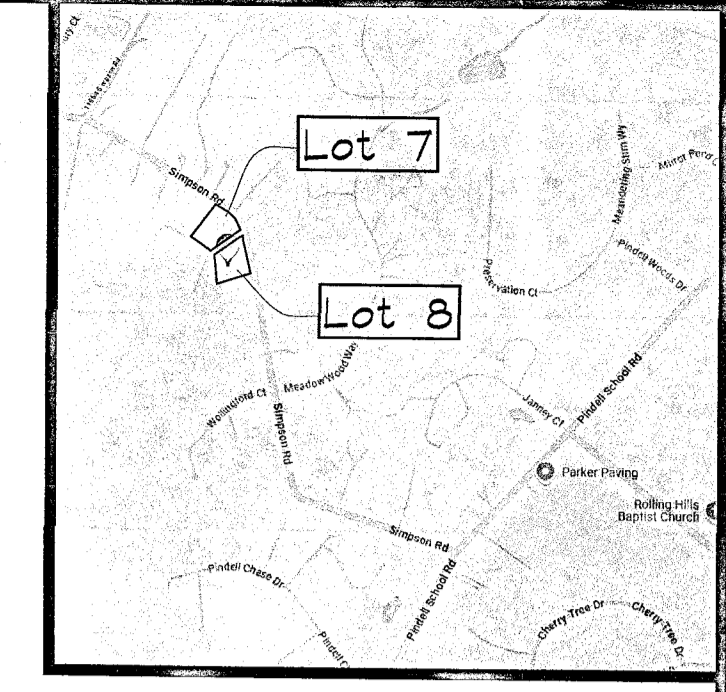
2 OF 2

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- ALL EXISTING WELLS AND SEWERAGE DISPOSAL AREAS AND COMPONENTS WITHIN 100- FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING/PROPOSED WELLS 200' DOWN GRADIENT FROM EXISTING OR PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- THIS LOT WAS CREATED BY PLAT (14485) DATED OCTOBER 26, 2000.
- SEPTIC TANK AND PUMP CHAMBERS COVER DEPTHS SHALL NOT EXCEED 3- FEET UNLESS DESIGNED AND APPROVED NOTING A TRAFFIC BEARING LID.
- 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 PLAN MAY BE REQUIRED.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3- FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- ALL WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED AND ARE ACCURATELY SHOWN.
- THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE EXISTING WELL AND PROPOSED WELL BOX AND EXISTING SEWERAGE DISPOSAL AREA LOCATIONS AS SHOWN ON THIS PLAN A RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW THE EXISTING WELL AND WELL BOX ON 11935 SIMPSON ROAD TO BE DOWNGRADIENT OF THE SEWERAGE DISPOSAL AREA ON 11945 SIMPSON ROAD, PURSUANT TO THE FOLLOWING CONDITIONS:
A. FUTURE WELL MUST BE STEEL CASED 50- FEET IN DEPTH OR 10- FEET INTO COMPETENT BEDROCK, WHICHEVER IS GREATER.

LEGEND

	EX. PROP. LINE
	EX. FENCE
	PROP. DRIVEWAY
	APPROVED SEWERAGE DISPOSAL AREA
	SOIL BOUNDARY
	EX. 2' CONTOUR
	EX. 10' CONTOUR
	WELL (EX. OR PROP.)
	BUILDING RESTRICTION LINE
	PASSED PERC TEST
	EX STEEP SLOPES
	WELL BOX
	LOD



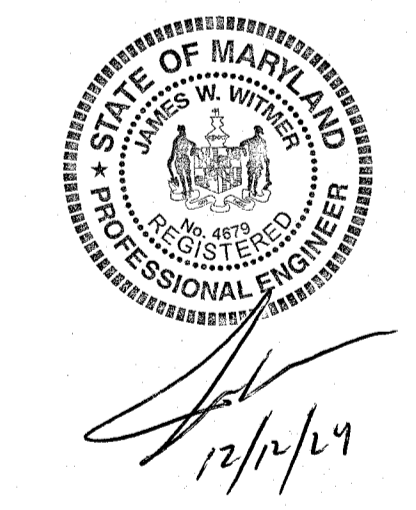
VICINITY MAP



EX. SINGLE FAMILY DETACHED DWELLING LOT 6, DEED 19109/130 11945 SIMPSON ROAD CLARKSVILLE, MD 21029

EX. SINGLE FAMILY DETACHED DWELLING PARCEL A, DEED 4770/303 11925 SIMPSON ROAD CLARKSVILLE, MD 21029

Simpson Road (60' R/W)



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21931, EXPIRATION 12/18/2024.

SOILS DATA TABLE

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	WET SEASON
GmB	Glenelg urban land comp., 0% - 8%	NO	0.37	NO	NO
GgB	Glenelg Loam, 3% - 8% Slopes	NO	0.24	NO	NO

SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEBSITE
NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 1% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.

OWNER/DEVELOPER:
WILLIAMSBURG HOMES
ATTN: BRUCE HARVEY
5485 HARPERS FARM ROAD
COLUMBIA, MD 21042
410-997-8800

11935 SW SIMPSON ROAD
CLARKSVILLE, MD 21029
LOT 7, PLAT 14485, MAP 41
GRID 7, 1.12 ACRES, ACCT#05-434351
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

PROJECT	22-0812	DATE	03/23
ILLUSTRATION	JWW	ENGINEERING	NA
SCALE	1" = 20'	APPROVAL	JWW

DATE	BY	REVISION

11935 SW SIMPSON ROAD
TAX MAP 41, LOT 7, PLAT 14485, 1.12 ACRES
ELECT. DIST. 5, HOWARD COUNTY, MARYLAND
ONSITE SEWAGE DISPOSAL DESIGN PLAN

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