



**Howard County
Health Department**

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

RECEIPT DATE: 12-11-25 **ONSITE SEWAGE DISPOSAL SYSTEM** P 590298

APPROVAL DATE: 312412126 SP **PERMIT: NEW CONSTRUCTION** A _____

PROPERTY ADDRESS: 11935 Simpson Road, Clarksville, MD. 21029

SUBDIVISION: _____ LOT: 7 TAX ID: _____

CONTRACTOR: Hathfields Equipment EMAIL: ke@hathfieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 519, Annapolis, Md 20701 PHONE: 301-490-2889

PROPERTY OWNER: Williamsburg Homes EMAIL: Attn: Bruce Harvey

OWNER ADDRESS: 5485 Harpers Farm Road, Columbia, MD 21044 PHONE: (410) 997-8800

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: _____

PUMP MODEL: Goulds PUMP SIZE 1/2 HP PUMP TANK CAPACITY: 2000

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

TRENCHES:	LINEAR FEET REQUIRED: <u>97</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</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:	Install 2 Trenches @ 49'	

ISSUED BY: Melanie Eskenburg ISSUE DATE: 12-11-25 EXPIRATION DATE: 12-11-26

- 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 25007087
- 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.

1/23/26 Pump tank delivered NOT TO SCALE
 Tank is level. 2" line to d-box is sloped 4' out of pump tank and
 connected to d-box. Contractor added a 90° bend to direct water down/side
 in d-box. Hydraulic cement used for pipe connections into d-box
 2" gate valve installed on pump tank 2" line. Pump on 6" block. Only 3'
 back riser on pump tank. OK to backfill. (MB)

3/24/2026 Alarm outside house on wood plank 1/2" above grade. Alarm visible
 + audible OK. Water pumps to d-box OK. (SP) OK. (SP)

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3	2.5	8
NUMBER OF TRENCHES		2
TOTAL LENGTH		99 ft
ABSORPTION AREA		298 ft ² + Sidewalk
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	
BAFFLES	6' Front
BAFFLE FILTER	
MANHOLE LOC	Front/Back
6" PORT LOC	N/A
WATERTIGHT TEST	N/A
SLOTTED	Yes
DATE ON LID	12-22-25
PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	N/A
BAFFLE FILTER	N/A
MANHOLE LOC	Front/Back
6" PORT LOC	- N/A
WATERTIGHT TEST	- N/A
SLOTTED	N/A
DATE ON LID	12-15-25

ROAD NAME

SEPTIC CONTRACTOR ONSITE INSTALLING SYTEM: Nathan Heath
 SEPTIC CONTRACTOR ONSITE LICENSED WITH THE STATE OF MD: YES/NO

PRE-CONSTRUCTION NOTES:
 1/9/26 House shape slightly changed, Sun room added to side of house where septic
 tank to be installed. Well location accurate. SDA trenches, and tanks are staked accurately. There is a 5" dip
 with both trenches close to the fence. Contractor stated he will fill in 5" dip with final grading. Trenches on contour otherwise.
 Will move d-box in front of trench 1. Plan reviewer to speak to engineer for (redlined) OSDS plan (MB)

INSTALLATION NOTES:
 1/27/26 Contractor has trench 1 completed. 8' bottom with about 2.5' inlet, observation port and geotextile fabric added.
 Stone #2 double washed from burrhead and is marginal with some stone dirt. Completed trench 2 excavation while on site.
 8' bottom (MB) 1/27/26 Contractor completed trench 2 2.5' inlet. Trench length @ 50'. Starting SFC now and
 tanks will arrive tomorrow. OK to backfill trenches. Geotextile fabric and observation port installed. (MB)
 1/23/26 Front line installed with clewets and 1/2" fall. Backed in gravel. Septic tank delivered and installed. Tank is level and
 sloped. ST will have 3' cover on it contractor confirmed. Adding 3' risers. Will have to grade to get down to 3' due to landscape.
 Vertical pump floats correct per plan. (MB)

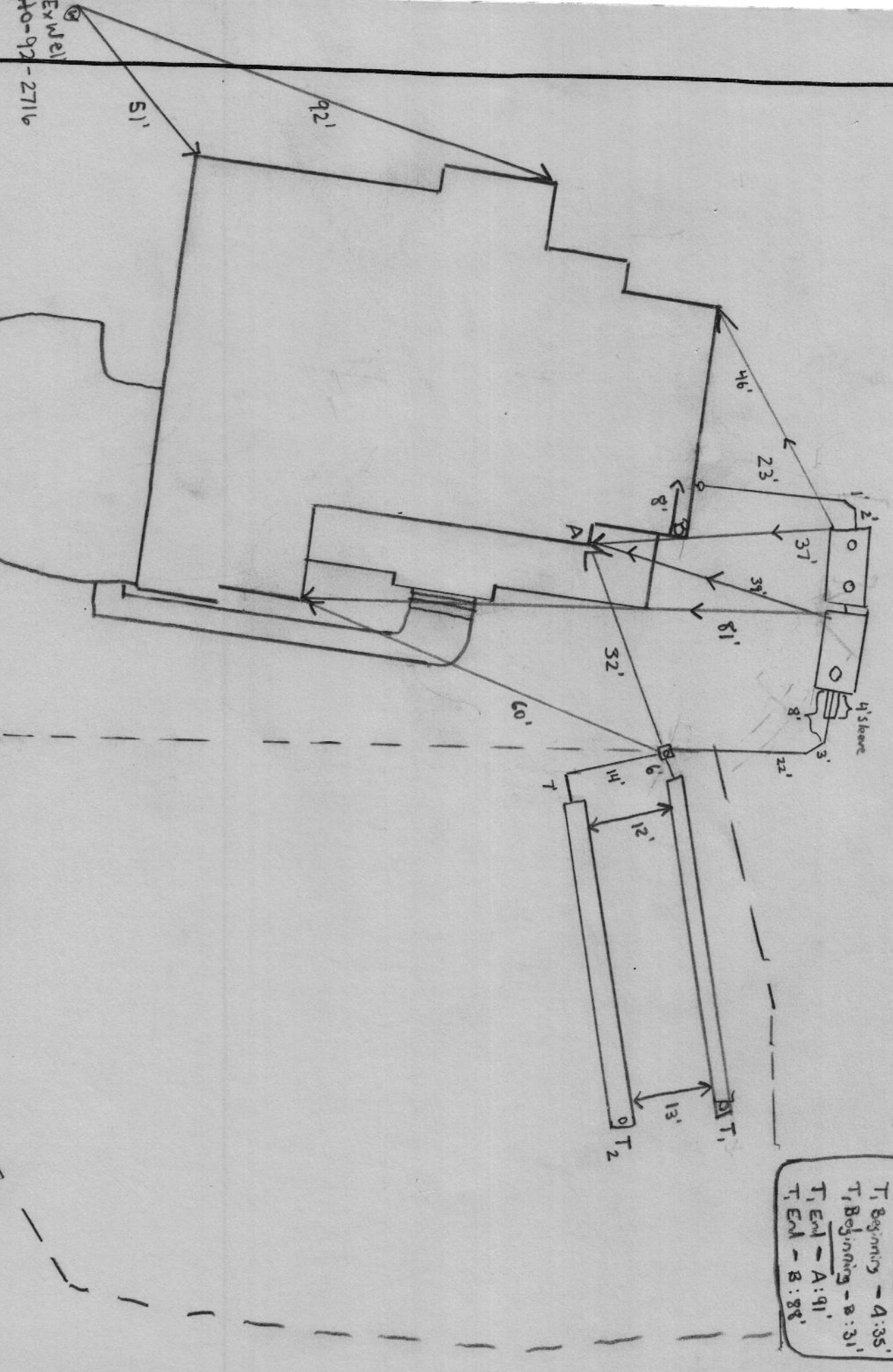
CONTROL PANEL DATA

CONTROL PANEL HEIGHT	42"
(MIN 30")	
INSPECTION DATE	3/24/2026
INSPECTION: PASS/FAIL (CIRCLE ONE)	

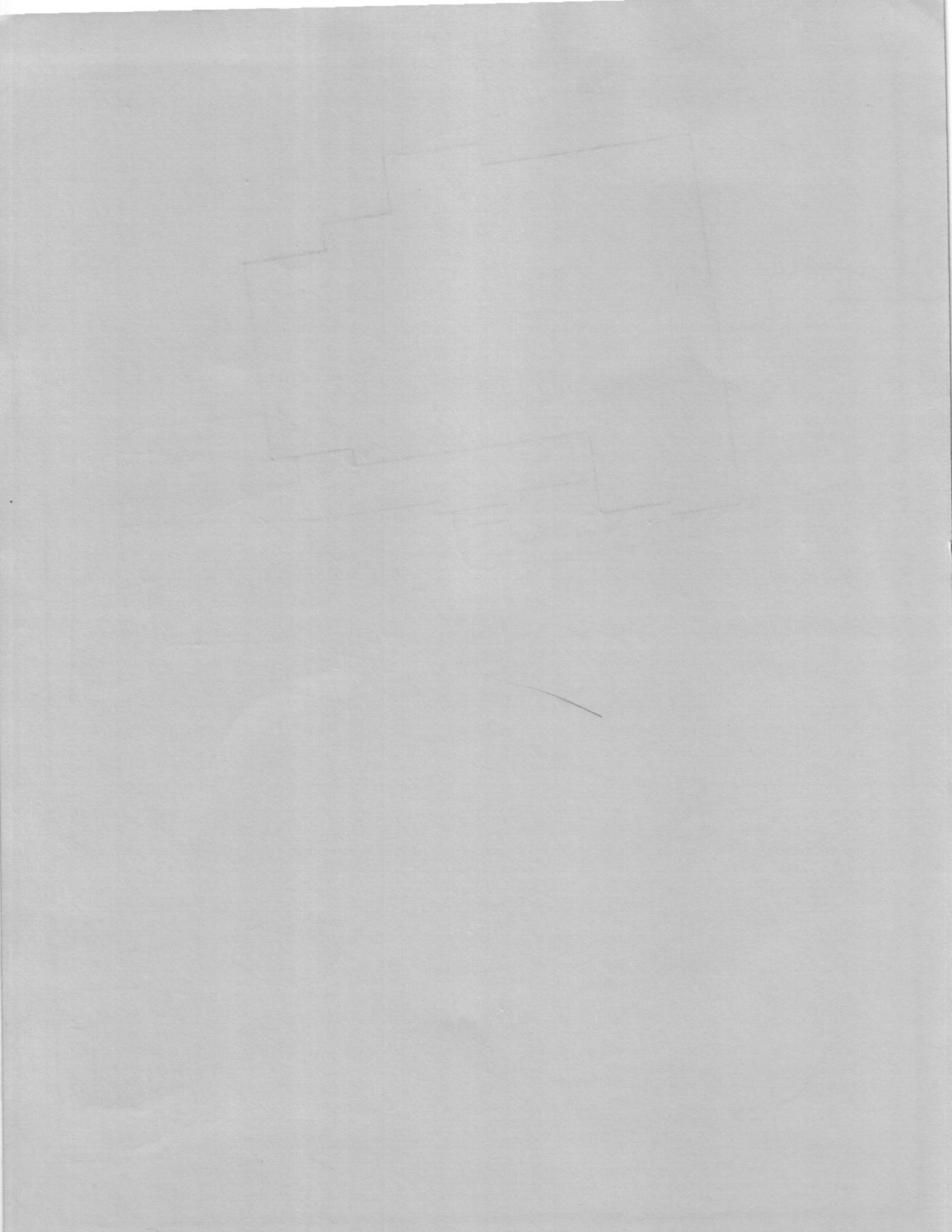
FINAL INSPECTOR S. Pyle DATE OF APPROVAL 3/24/2026

1' : 20"

NOT TO SCALE



Measurements	
T ₁ Beginning	- A : 35'
T ₁ Beginning	- B : 31'
T ₁ End	- A : 91'
T ₁ End	- B : 88'



Oswald Jr, Woodin

From: jim@jnmengineeringllc.com
Sent: Tuesday, December 3, 2024 9:41 AM
To: Oswald Jr, Woodin
Subject: RE: OSDS Plan_11935 Simpson Road
Attachments: Simpson Road Lots 7 Draft Septic Grading.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Hank,

This is what I was fighting with yesterday. The way the sites slopes in relation to the house, septic, and well box makes it really hard to grade. I have attached a revised draft. Because of the driveway slope we can not raise the house higher than it is. We have sloped the driveway as much as possible. The grade on the west side of the house has to be no higher than 505.3' to allow clearance from the sill board to grade. I have regraded to eliminate the drainage into the swale between the house and SDA. Most of the drainage will now go around the rear and the roof is still being piped. The reason I have to show a swale is because I cant grade into the SDA but have to get enough slope to ensure rain will not puddle in the yard. Could you take a look and let me know your thoughts?

Thanks,
Jim

From: Oswald Jr, Woodin <hoswald@howardcountymd.gov>
Sent: Monday, December 2, 2024 8:26 AM
To: jim@jnmengineeringllc.com
Subject: RE: OSDS Plan_11935 Simpson Road

Hi Jim,

A stormwater inlet grate setback to all parts of the OSDS is 25 feet, & 50 feet to the well. Let me know if you have any other questions.

Regards,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
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From: jim@jnmengineeringllc.com <jim@jnmengineeringllc.com>
Sent: Tuesday, November 26, 2024 12:21 PM
To: Oswald Jr, Woodin <hoswald@howardcountymd.gov>
Subject: RE: OSDS Plan_11935 Simpson Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

How close can I have an inlet to the SDA? I want to capture the runoff before it gets to the swale.

Thanks,
Jim

From: Oswald Jr, Woodin <hoswald@howardcountymd.gov>
Sent: Tuesday, November 26, 2024 11:48 AM
To: jim@jnmengineeringllc.com
Subject: OSDS Plan_11935 Simpson Road

Hi Jim,

The OSDS Plan for **11935 Simpson Road** has been reviewed with the following comments:

1. Add variance note from PC to OSDS Plan
2. Label perc test hole 7D
3. Pump tank is more than 3 feet below grade
4. Swale is less than 25 feet to SDA & the start of swale is over septic tank.
5. Perc test results aren't correct. For example, 7A was a visual & 7D test depth was 3.5
6. Trench depth may not exceed 8 feet in depth. Trench detail and calcs show 9 feet.
7. One dose volume and one days design flow storage capacity above the high water alarm = $150.38 + 900 = 1050.38$ gallons (not 702 gallons).
8. Static Head = d-box elevation (highest point) - pump off elevation = $505.7 - 499.09 = 6.61$
9. According to Table 4.4, the friction head is greater than 3.98 at 68 gallons per min.
10. Please correct spelling errors in the general notes.
11. Soil boundary line is incorrect. Is the soil boundary line being used to show the limit of disturbance?
12. The elevation # in the distribution box detail doesn't match the elevation # in the septic system profile.
13. Septic specs attached.

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

Regards,

Hank

Hank Oswald
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