

PENDER COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

803 Walker Street, P.O. Box 1209

Burgaw, NC 28425

Phone 910-259-1233 FAX 910-259-1404

www.pendercountync.gov

IMPROVEMENT PERMIT

Parcel PIN: 2374-98-3029-0000

Application Date: 07/30/2025

Permit #: EHIP-3205-2025

Applicant: Timothy Roach Sr.
Address: 2081 E. Wilmington St.
Burgaw, NC 28425

Phone: (615) 934-3847

Owner: William Newkirk
Address: 333 N. Piney Grove Rd.
Manson, NC 27553

Phone: (919) 418-4583

Property Desc.: Corner of Bay Rd.
Property Address: Bay Rd.
Permit Type: Residential New

Lot Size (Acres):
Facility Type: Single Family Dwelling
Water Supply: Well

Design Flow: 360 GPD
No. of Bedrooms: 3
Site Classification: PS

INITIAL SYSTEM
System Type: Gravity Fill
System Class: IIIc
Useable Soil Depth: 18"
LTAR: 0.3

REPAIR SYSTEM
System Type: Gravity Fill
System Class: IIIc
Useable Soil Depth: 18"
LTAR: 0.3

Conditions:

Pre-Construction conference with installer prior to system construction
Prior to CA issuance, fill pad must be constructed as detailed in permit attachments.
Call the PCHD for a fill pad inspection once completed.

-INSTALL DRAIN LINES ON CONTOUR.

-IF GRAVITY FLOW CAN BE MAINTAINED A PUMP TANK WILL NOT BE REQUIRED.

-THE DRAINFIELD MUST BE SEEDED PRIOR TO SYSTEM APPROVAL.

Refer to the attached site plan for specific information regarding location of the designated area. Soil and site descriptions are located on file at Pender County Environmental Health. There may be other types of systems which are applicable to this site. The permit and evaluation are valid only for the site as designated on the attached site plan. A Construction Authorization must be issued prior to the issuance of the Building Permit and before any construction or system installation can commence.

This permit is subject to revocation if the site plan, plat, or intended use changes or if the site is altered. Do not drive on or otherwise disturb the designated soil area or this permit may be revoked.

ISSUED: 08/12/2025


Registered Environmental Health Specialist

EXPIRES: 08/12/2030



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WELL PERMIT

Parcel PIN: 2374-98-3029-0000
Application Date: 07/20/2025

Permit #: EHWP-1626-2025

Applicant: Timothy Roach Sr.
Address: 2081 E. Wilmington St.
Burgaw, NC 28425
Phone: (615) 934-3847

Owner: William Newkirk
Address: 333 N. Piney Grove Rd.
Manson, NC 27553
Phone: (919) 418-4583

Property Desc: Corner of Bay Rd.
Property Address: Bay Rd.
Permit Type: New Well

Lot Size:
Facility Type:
Water Supply: Private Well

WELL SETBACKS (Unless Specified): Utilize the North Carolina 2C Well Rules and Laws.

25 ft. from foundations & decks
100 ft. from septic system (s)

50 ft. sanitary sewer

50 ft. from water bodies
50ft. from all other sources of pollution

No change in location or specifications without prior Environmental Health approval

Well Permit By: Clay Creswell

Date: 08/12/2025

Certificate of Completion

Installer

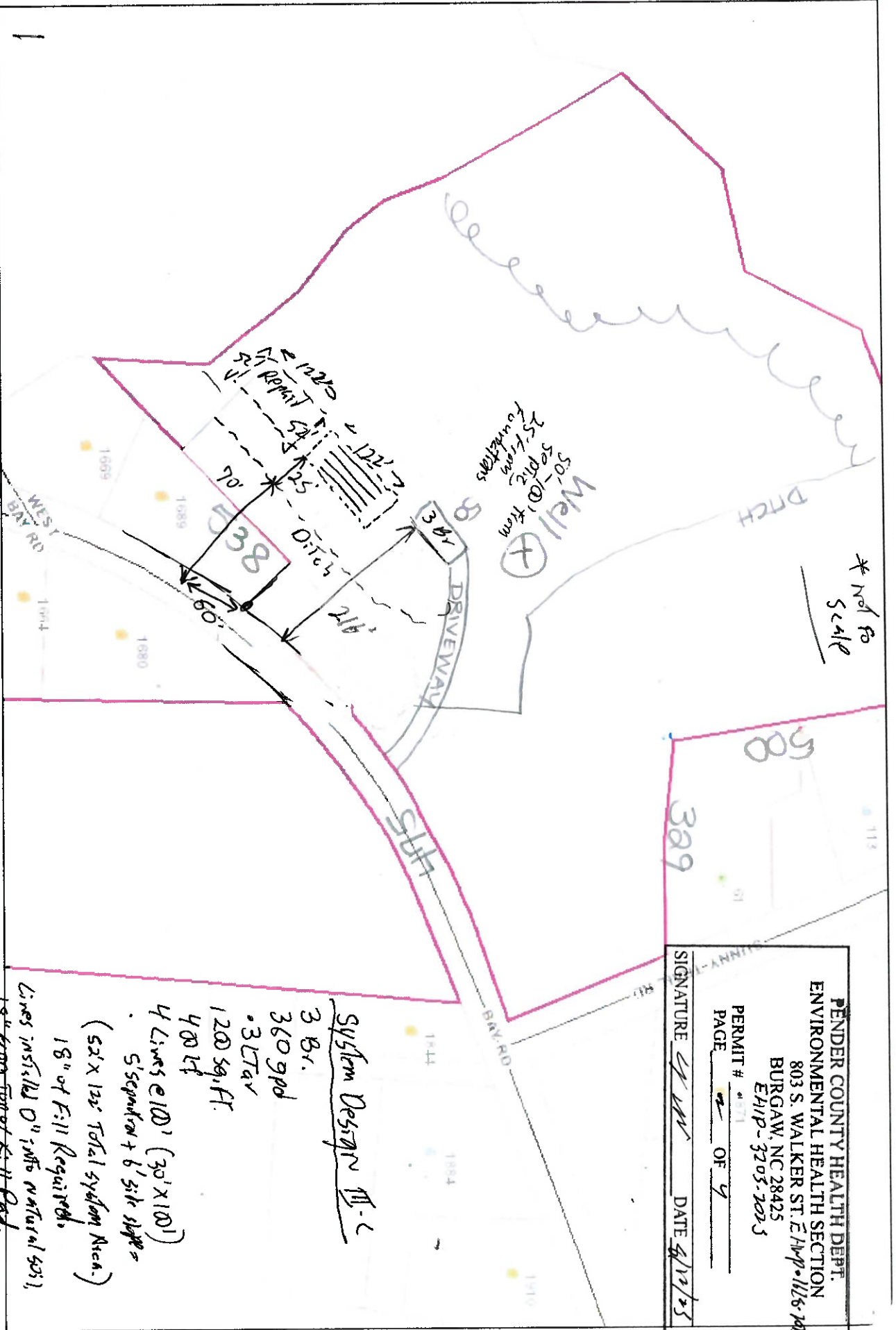
Date

Registered Environmental Health Specialist

***Note: Building Inspection- Hold Electrical Final until Certificate of Completion is approved and signed by Environmental Health.

***Note: It is the responsibility of the well owner to provide access and power to the well in order for the Department to take water samples. This Department recommends that the water is not used until a negative sample is obtained.

Pender County



* Not to Scale

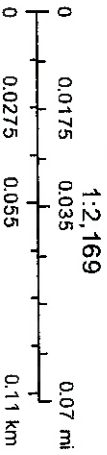
PENDER COUNTY HEALTH DEPT.
 ENVIRONMENTAL HEALTH SECTION
 803 S. WALKER ST. E. HWP-116-1015
 BURGAW, NC 28425
 EHP-3205-2025

PERMIT # 4571
 PAGE 2 OF 4

SIGNATURE *[Signature]* DATE 8/12/25

System Design III-C

- 3 Br.
- 360 gpd
- 3 LTA
- 1200 sq. ft.
- 400 lf
- 4 Lines @ 100' (30' X 100')
- 5' separation + 6' side slope =
- (52' X 120' Total System Area.)
- 18" of Fill Required.
- Lines installed 0" into natural soil,
- 18" from Top of Kill Pad.



July 30, 2025



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FILL REQUIREMENTS

PIN: PERMIT:
APPLICANT:

TOTAL REQUIRED FILL	<input type="text" value="18"/>	<input type="text" value="12"/>	INCHES SANDY SOIL
		<input type="text" value="6"/>	6 INCHES TOPSOIL
TOTAL AREA OF FILL	<input type="text" value="52'-122'"/>		

This letter is issued along with an improvement permit for informational purposes. It is designed to aid with the construction of a fill system. This letter cannot be used to obtain any building or mobile home permits.

The area designated for the septic system shall be indicated on the enclosed diagram/flagged on the site. Failure to install the fill in the approved location may result in the fill having to be moved. Careful attention must be given to the preparation of the area to ensure that the septic system will function properly. **DO NOT WORK IN WET SOIL CONDITIONS!** Working a soil in wet conditions destroys the soil characteristics and this may render the area unsuitable altogether.

1. Remove all vegetation from the designated fill area without removing topsoil.
2. Disk the designated area to a depth of six inches to break up the root mat.
3. Add three to four inches of approved sand fill to the designated area and disk again to thoroughly mix the fill into the original soil (an approved fill is sand or loamy sand) continue to add fill and disk until the required height is met.
4. The final 6 inches of soil cover shall be of a finer texture for the establishment of a vegetative cover.
5. The total fill must extend at least 5' from the outside edge of the outer septic trench and taper to meet the original ground surface, slope should be a 1 to 4 ratio unless the first 18" of soil is sand the slope shall be 1 to 3 ratio.

Contact the Environmental Health office upon completion for a fill inspection.

REHS Clay Creswell

Date of Fill inspection _____



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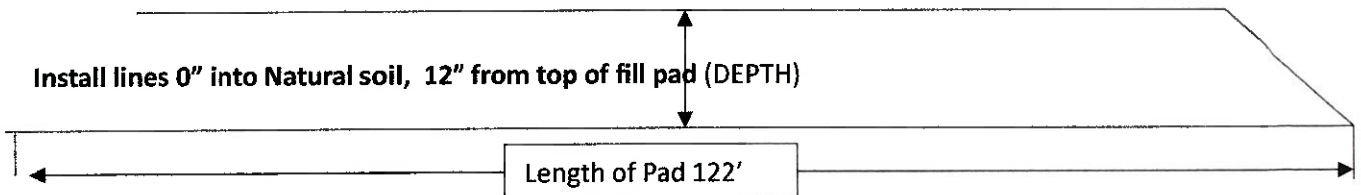
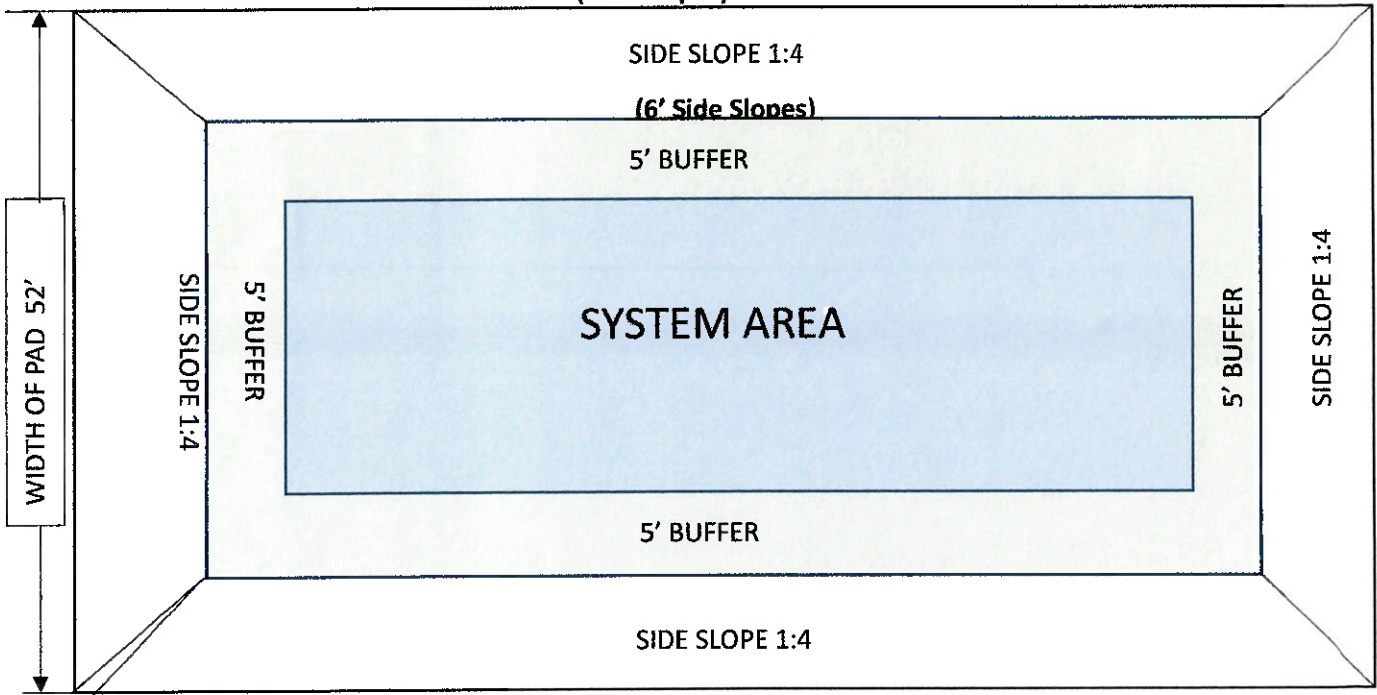
****NOT TO SCALE****

PERMIT EHIP-3210-2025

DEPTH OF FILL 18"
TOTAL FILL AREA 52' x 122' (INCLUDES SIDESLOPE)
AREA FOR SYSTEM & 5' BUFFER 40' x 110"
LENGTH OF 1:4 SIDESLOPE 6' LENGTH OF 1:3 SIDESLOPE 3'
NUMBER & LENGTH OF LINES 4 @ 100'

Aerobic Drip Tubing Bed

(Side Slopes)



*Additional fill may be required to be disked in low areas and raised to maintain a level 12" fill pad.



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IMPROVEMENT PERMIT

Parcel PIN: 2374-98-3029-0000
 Application Date: 07/20/2025

Permit #: EHIP-3207-2025

Applicant: Timothy Roach
 Address: 2081 E. Wilmington St.
 Burgaw, NC 28425

Owner: William Newkirk
 Address: 333 N. Piney Grove Rd.
 Manson, NC 27553

Phone: (615)934-3847

Phone: (919) 418-4583

Property Desc.: Corner of Bay Rd. and Sunny Trail Rd.
 Property Address: Sunny Trail Rd.
 Permit Type: Residential New

Lot Size (Acres):
 Facility Type:
 Water Supply:



Design Flow: 360 GPD
 No. of Bedrooms: 3
 Site Classification: PS

INITIAL SYSTEM
 System Type: Low Profile Chamber
 System Class: IIIg
 Useable Soil Depth: 8"
 LTAR: 0.4

REPAIR SYSTEM
 System Type: Low Profile Chamber
 System Class: IIIg
 Useable Soil Depth: 8"
 LTAR: 0.5

Conditions:

Pre-Construction conference with installer prior to system installation.

8" soil cover is required over the entire drain field area.

-INSTALL DRAIN LINES ON CONTOUR.

-IF GRAVITY FLOW CAN BE MAINTAINED A PUMP TANK WILL NOT BE REQUIRED.

-THE DRAINFIELD MUST BE SEEDED PRIOR TO SYSTEM APPROVAL.

Refer to the attached site plan for specific information regarding location of the designated area. Soil and site descriptions are located on file at Pender County Environmental Health. There may be other types of systems which are applicable to this site. The permit and evaluation are valid only for the site as designated on the attached site plan. A Construction Authorization must be issued prior to the issuance of the Building Permit and before any construction or system installation can commence. This permit is subject to revocation if the site plan, plat, or intended use changes or if the site is altered. Do not drive on or otherwise disturb the designated soil area or this permit may be revoked.

ISSUED: 08/08/2025

Clay Creswell
 Registered Environmental Health Specialist

EXPIRES: 08/08/2030

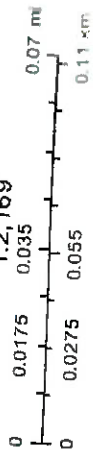
Pender County

*NOT TO SCALE

System Design:

- 3 Br. Low-profile
- 360 gpd
- .4 L/Tar
- 90 sq. ft.
- 300 LF.
- 4 Lines @ 75'
- 8" T.B. + 8" soil cover
- Lines 9' O.C.

1:2,169

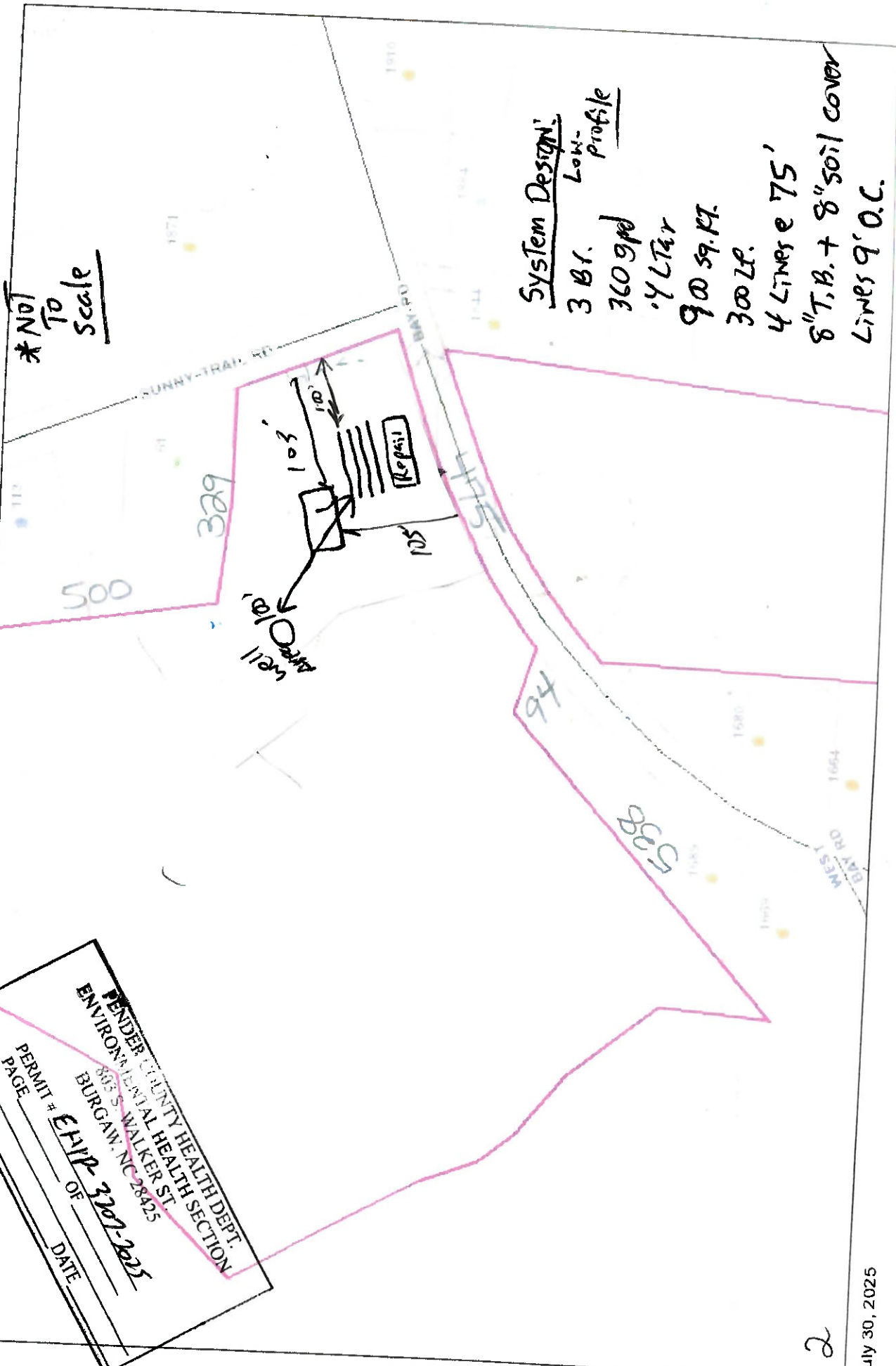


PENDER COUNTY HEALTH DEPT.
 ENVIRONMENTAL HEALTH SECTION
 805 S. WALKER ST.
 BURGAW, NC 28425

SIGNATURE _____
 PERMIT # **EHIP-3202-2025**
 PAGE _____ OF _____
 DATE _____

July 30, 2025

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www.pendercountync.gov

IMPROVEMENT PERMIT

Parcel PIN: 2374-98-3029-0000
Application Date: 07/30/2025

Permit #: EHIP-3208-2025

Applicant: Timothy Roach Sr.
Address: 2081 E. Wilmington St.
Burgaw, NC 28425

Owner: William Newkirk
Address: 333 N. Piney Grove Rd.
Manson, NC 27553

Phone: (615) 934-3847

Phone: (919) 418-4583

Property Desc.: Corner of Bay Rd. Tract 3
Property Address: Bay Rd. Tract 3
Permit Type: Residential New

Lot Size (Acres):
Facility Type: Single Family Dwelling
Water Supply: Well

Design Flow: 360 GPD
No. of Bedrooms: 3
Site Classification: ps

INITIAL SYSTEM
System Type: Gravity Fill
System Class: IIIc
Useable Soil Depth: 18"
LTAR: 0.3

REPAIR SYSTEM
System Type: Gravity Fill
System Class: IIIc
Useable Soil Depth: 18"
LTAR: 0.3

Conditions:

Pre-Construction conference with installer prior to system construction
Prior to CA issuance, fill pad must be constructed as detailed in permit attachments.
Call the PCHD for a fill pad inspection once completed.

- INSTALL DRAIN LINES ON CONTOUR.
- IF GRAVITY FLOW CAN BE MAINTAINED A PUMP TANK WILL NOT BE REQUIRED.
- THE DRAINFIELD MUST BE SEEDED PRIOR TO SYSTEM APPROVAL.

Refer to the attached site plan for specific information regarding location of the designated area. Soil and site descriptions are located on file at Pender County Environmental Health. There may be other types of systems which are applicable to this site. The permit and evaluation are valid only for the site as designated on the attached site plan. A Construction Authorization must be issued prior to the issuance of the Building Permit and before any construction or system installation can commence. This permit is subject to revocation if the site plan, plat, or intended use changes or if the site is altered. Do not drive on or otherwise disturb the designated soil area or this permit may be revoked.

ISSUED: 08/12/2025

Clay Creswell
Registered Environmental Health Specialist

EXPIRES: 08/12/2030



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WELL PERMIT

Parcel PIN: 2374-98-3029-0000
Application Date: 07/20/2025

Permit #: EHWP-1628-2025

Applicant: Timothy Roach Sr.
Address: 2081 E. Wilmington St.
Burgaw, NC 28425
Phone: (615) 934-3847

Owner: William Newkirk
Address: 333 N. Piney Grove Rd.
Manson, NC 27553
Phone: (919) 418-4583

Property Desc: Corner of Bay Rd. Tract 3
Property Address: Bay Rd.
Permit Type: New Well

Lot Size:
Facility Type:
Water Supply: Private Well

WELL SETBACKS (Unless Specified): Utilize the North Carolina 2C Well Rules and Laws.

25 ft. from foundations & decks
100 ft. from septic system (s)

50 ft. sanitary sewer

50 ft. from water bodies
50ft. from all other sources of pollution

No change in location or specifications without prior Environmental Health approval

Well Permit By: Clay Creswell

Date: 08/12/2025

Certificate of Completion

Installer

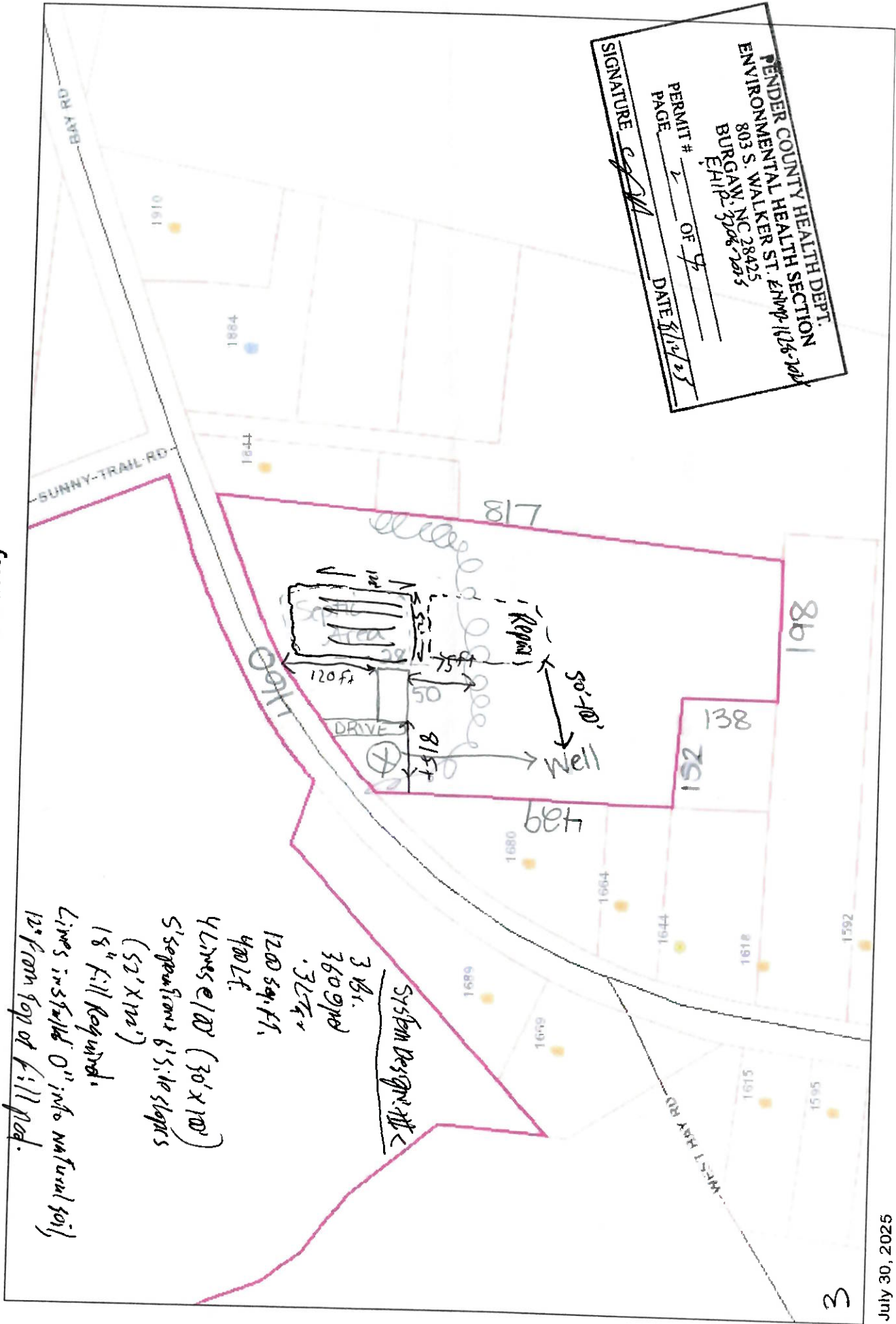
Date

Registered Environmental Health Specialist

***Note: Building Inspection- Hold Electrical Final until Certificate of Completion is approved and signed by Environmental Health.

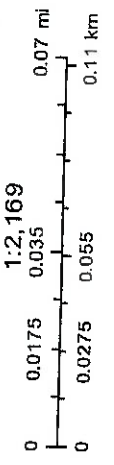
***Note: It is the responsibility of the well owner to provide access and power to the well in order for the Department to take water samples. This Department recommends that the water is not used until a negative sample is obtained.

Pender County



PENDER COUNTY HEALTH DEPT.
 ENVIRONMENTAL HEALTH SECTION
 803 S. WALKER ST. E/HP-126-100
 BURGAW, NC 28425
 E/HP-3208-2035

SIGNATURE: *[Signature]*
 PERMIT # 2 OF 4
 DATE 8/12/25



July 30, 2025

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FILL REQUIREMENTS

PIN: **PERMIT:**
APPLICANT:

TOTAL REQUIRED FILL	<input type="text" value="18"/>	<input type="text" value="12"/>	INCHES SANDY SOIL
		<input type="text" value="6"/>	6 INCHES TOPSOIL
TOTAL AREA OF FILL	<input type="text" value="52'-122'"/>		

This letter is issued along with an improvement permit for informational purposes. It is designed to aid with the construction of a fill system. This letter cannot be used to obtain any building or mobile home permits.

The area designated for the septic system shall be indicated on the enclosed diagram/flagged on the site. Failure to install the fill in the approved location may result in the fill having to be moved. Careful attention must be given to the preparation of the area to ensure that the septic system will function properly. **DO NOT WORK IN WET SOIL CONDITIONS!** Working a soil in wet conditions destroys the soil characteristics and this may render the area unsuitable altogether.

1. Remove all vegetation from the designated fill area without removing topsoil.
2. Disk the designated area to a depth of six inches to break up the root mat.
3. Add three to four inches of approved sand fill to the designated area and disk again to thoroughly mix the fill into the original soil (an approved fill is sand or loamy sand) continue to add fill and disk until the required height is met.
4. The final 6 inches of soil cover shall be of a finer texture for the establishment of a vegetative cover.
5. The total fill must extend at least 5' from the outside edge of the outer septic trench and taper to meet the original ground surface, slope should be a 1 to 4 ration unless the first 18" of soil is sand the slope shall be 1 to 3 ratio.

Contact the Environmental Health office upon completion for a fill inspection.

REHS Clay Creswell

Date of Fill inspection _____



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PERMIT EHIP-3210-2025

****NOT TO SCALE****

DEPTH OF FILL 18"

TOTAL FILL AREA 52' X 122' (INCLUDES SIDESLOPE)

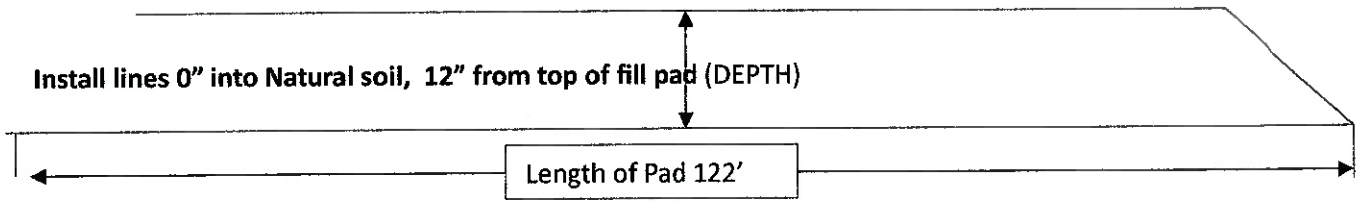
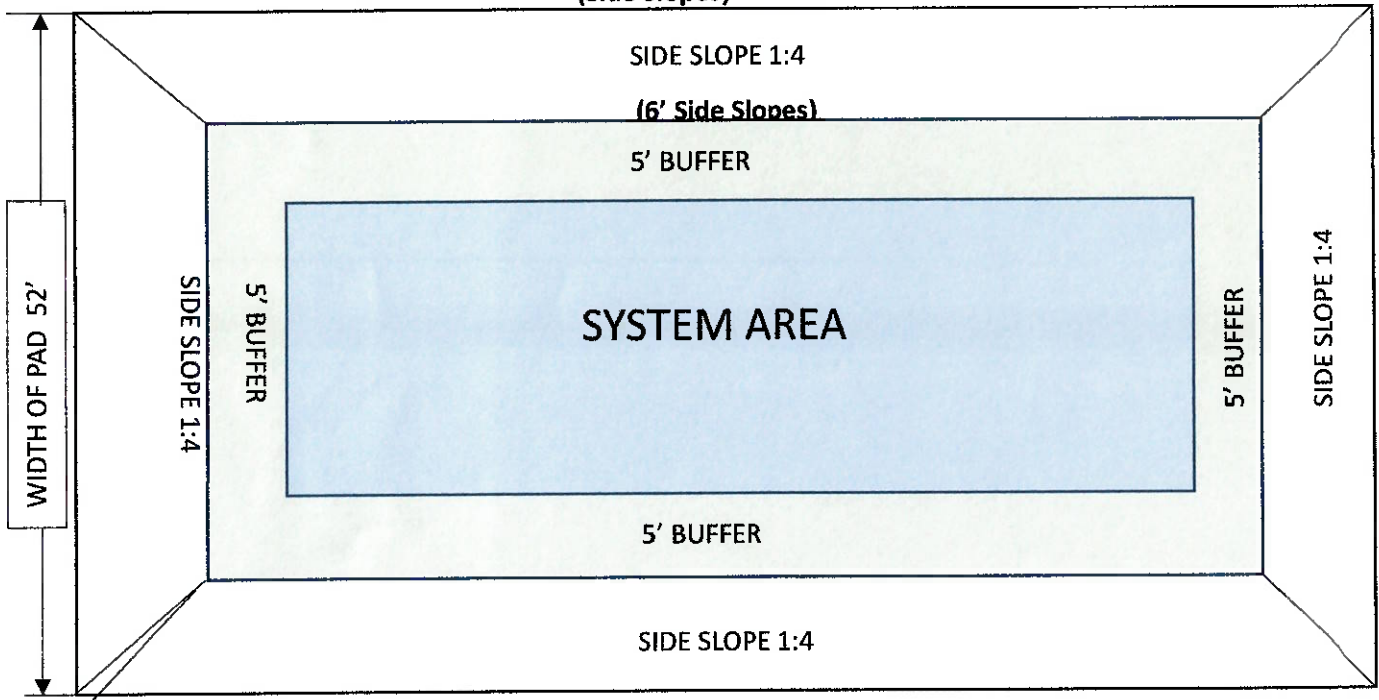
AREA FOR SYSTEM & 5' BUFFER 40' X 110"

LENGTH OF 1:4 SIDESLOPE 6' LENGTH OF 1:3 SIDESLOPE 3'

NUMBER & LENGTH OF LINES 4 @ 100'

Aerobic Drip Tubing Bed

(Side Slopes)



*Additional fill may be required to be disked in low areas and raised to maintain a level 12" fill pad.