



274

Powers

Country

Lane

11.5 gpm

5.1 gpm @
the house

59 psi @ the house

Depth 280 ft

Please Note:

The Septic System on this Property

requires a contract with a

Certified Sub-Surface Operator.

It is Part of the On-Site Waste Water Monitoring Program.

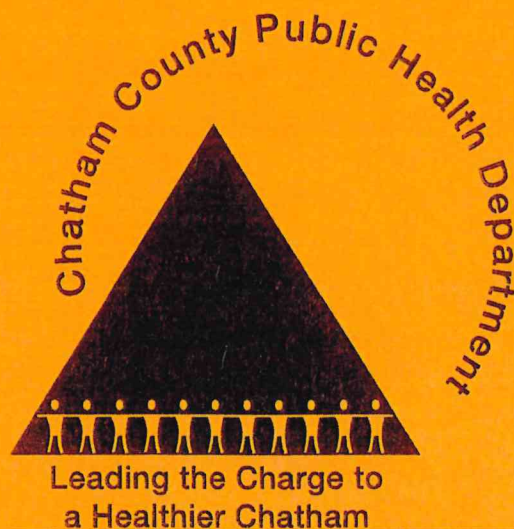
The System is monitored & inspected by the
Chatham County Public Health Department,
Division of Environmental Health.

There is an annual fee associated with the program.

Please contact the Chatham County
Environmental Health Office for more

SPECIFIC INFORMATION

about the Septic System on this Property.



Water Supply and Sewage Disposal/IMPROVEMENTS PERMIT

No. VK-2825

Owner: Joseph R. Perubello Date 5/10/95

Location: 1 Aug 9025 SW of
James Rd - approx.

Contractor: Load 0012 m.

Water Supply: Private ☒ Public ☐

No. Bedrooms 3 Other _____

Daily Flow Rate 360 Application Rate 1.09

if to Tinsell A

10 1003F
10 1003F
10 1003F

3118108307 DE

5TH to SUPPORT NEW FIDELIS

05 Sept + 1000 Pump Nitritation line: 770 of

Die Familie

There are 10 samples

an of 27 November

sewage disposal facilities location, installation and protection must

al regulations. *With Roberts*

shall be pumped out every 3 to 5 years and shall be maintained by

ST BE INSPECTED AND APPROVED BY A MEMBER OF

NOT BE EMPLOYED AND INVOLVED BY A MEMBER OF
DEPARTMENT STAFF BEFORE ANY PORTION OF THE

IS COVERED AND PUT INTO USE.

alarm

Signed _____
b2
b7C
b7D

Signed _____ Sanitarian

...

near of

sewage counter-
signed Joseph K. Given

John J. O'Connell (Owner or his representative)

ject to revocation if site plans or the intended use change. This

disposal is valid for 5 years. / circuit

Certificate of Completion

1965

By: 1/7/13 Jamesa K. Brown (e)

Sanitarian

(OVER)

on or well and sewage disposal facilities sketched on back.

low pressure field, about

ected during building phase

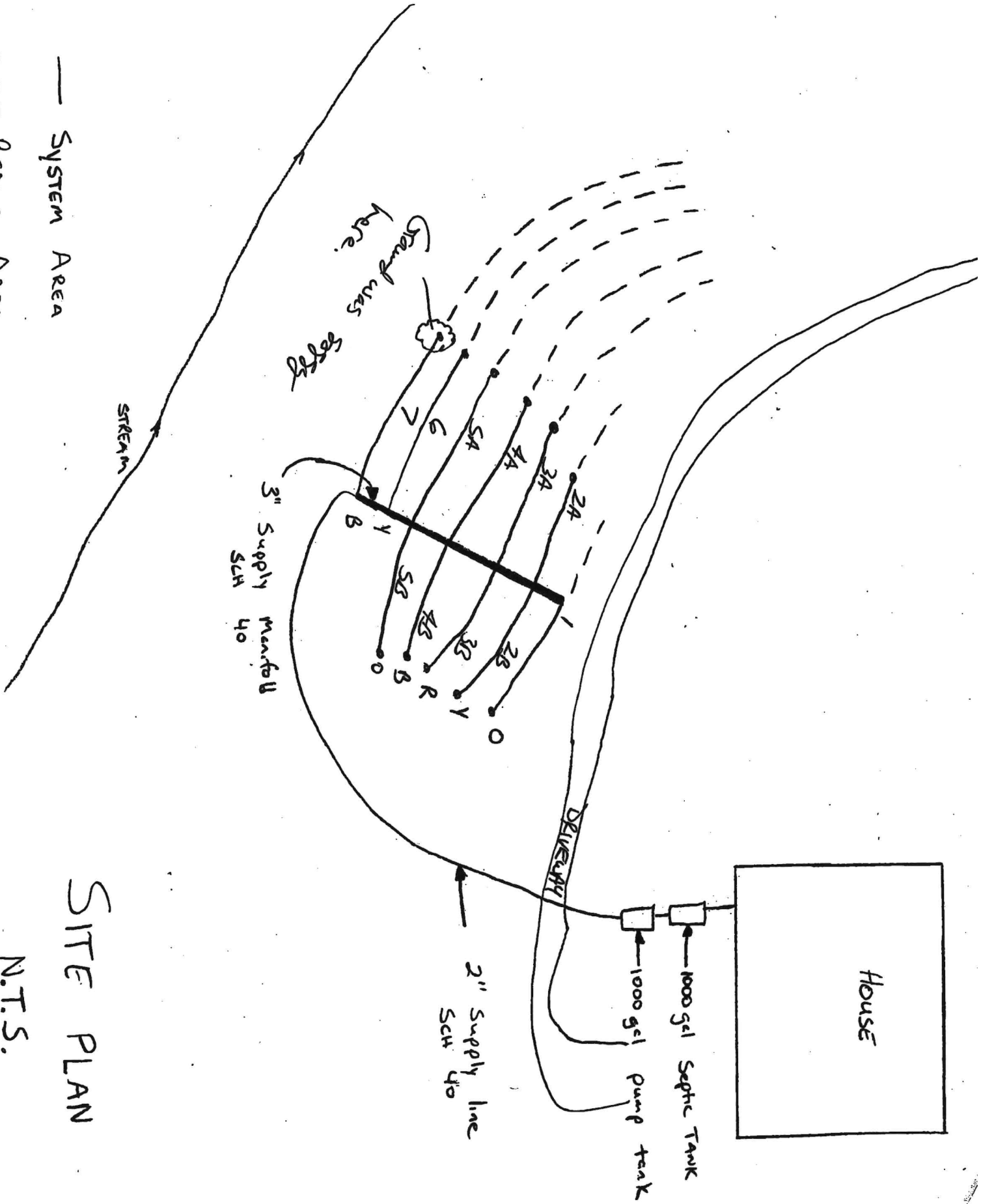
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NOTE: Make sketch of installation showing lot size and shape, location of house, septic tanks, privies, water supplies, etc. Note special problems existing on lot. Write in measurements in order that installations may be located at later date. Note location of water supplies on adjacent lots.

(1) except for the installation of the drainfield and preparation needed of these of.

(2)

— System Area
 --- Repair Area



SITE PLAN

N.T.S.



Soil & Environmental Consultants, Inc.

244 West Millbrook Road ■ Raleigh, North Carolina 27609 ■ (919) 846-5900 ■ Fax (919) 846-9467

*Reduce trench width to 12" (from 18")
fill material to 6" (from 10")*

*140N Marifi Fabric ? on top of pipe
or cover ?*

Attached is a Proposed Design for a Low Pressure Pipe Distribution
System to be Located West of Hoppers Crossroads on Hwy 902

Design Plans and Specifications.....	1-2
Site Plan.....	3-4
Septic Tank Specifications.....	5
Pump Tank Specifications.....	6
Pump Specifications.....	7-8
Alarm System Specifications.....	9-10
Float Switch Specifications.....	11-12
Distribution and Trench Specifications.....	13-17
Letter to the Installer (Before You Begin).....	18-20
Sample Maintenance Schedule.....	21-23

Please feel free to contact us if you have questions or require additional information.

DESIGN BY KEITH ROBERTS

			top			
6'9	69 1/2	69	52	52	52	52
63 1/4	63 1/4	63	54	54	54	54
71 1/4	71	71	54 1/2	54 1/2	54 1/2	54 1/2
75	75 1/4	75	57 1/2	57 1/2	57 1/2	57 1/2
76	76	76	66 1/2	66 1/2	66 1/2	66 1/2
82 1/2	82 1/4	82 1/2				

LPP SYSTEM FOR WASTEWATER TREATMENT

OWNER'S NAME: JOE FLOWERS

MAILING ADDRESS: 910 CONSTITUTION DR.
Durham NC 27705
Apt 821

PHONE (H) 383-9652
(W) 684-3473

SYSTEM LOCATION: Chatham County
902 W, BENNETT

TAX MAP#:

PARCEL:

CITY/TOWN:

COUNTY: CHATHAM

SOURCE OF WASTEWATER FLOW: 3 Bedroom Home

ESTIMATED DAILY WASTEWATER PRODUCTION: 360 gpd

SYSTEM FLOW: 40.79 gpm

DESIGN PARAMETERS

DRAINFIELD SIZE: 3850 ft²
DEPTH OF GRAVEL IN TRENCH: 8 in.
TRENCH DEPTH: 16 in.

LOADING RATE: .09 gpd/ft²
GRAVEL SIZE: NC 5 or 57
TRENCH WIDTH: 12 in.

SEPTIC TANK SIZE: 1000 gallons
SUPPLY LINE VOLUME: 41.8 gallons
SUPPLY LINE LENGTH: 240'
SUPPLY LINE DIAMETER: 2"
SUPPLY LINE PRESSURE RATING: sch 40

PUMP TANK SIZE: 1000 gallons
PUMP TANK DIMENSIONS: see specs.
APPROP. PUMP TANK DRAWDOWN: 17"
COMBINED LATERAL LINE VOLUME: 60 gallons
DOSING VOLUME:

SUPPLY MANIFOLD:
41' 3" PVC SCH 40

RECOMMENDED PUMP:

GOULDS
WE0512H
1/2 H.P.

ELEVATION HEAD: 5.7'
PRESSURE HEAD: 2.0'
FRICTION HEAD: 9.3'
TOTAL DYNAMIC HEAD: 17'

RECOMMENDED FLOAT CONTROLS: see attached specs

THREADED UNION: 1-2" sch 80

GATE VALVES: 1-1/2" PVC SCH 40 IN FIELD (SEE PLANS)

CHECK VALVES: 1-2" PVC SCH 40 IN PUMP TANK (SEE PLANS)

ANTI-SIPHON HOLE: SEE PUMP TANK

RECOMMENDED HIGH WATER ALARM: see attached specs

* ALL LATERALS SHOULD BE SLEEVED IN 4" CORRUGATED PIPE
with hdes in PVC Facing up.

ADDITIONAL COMMENTS:

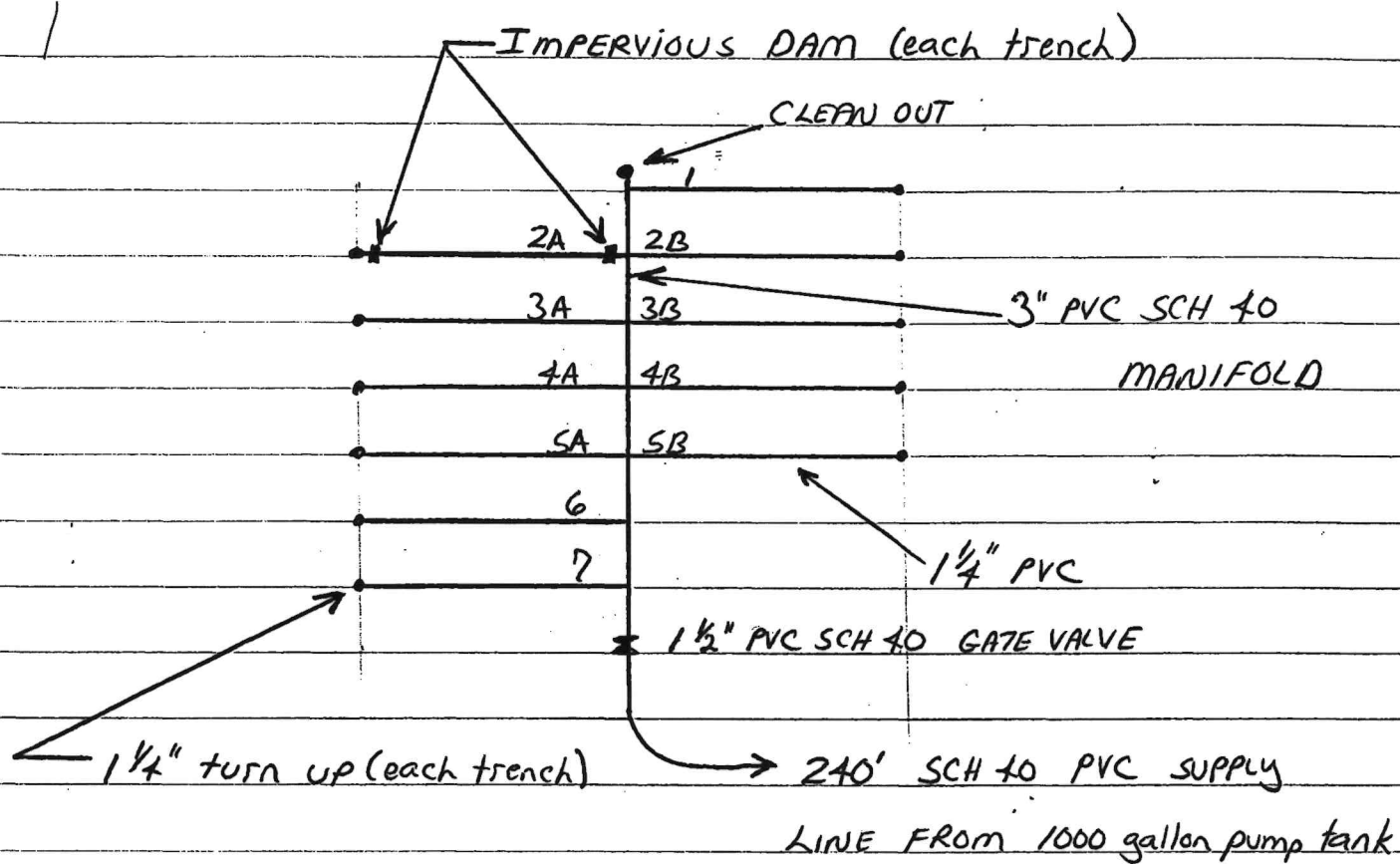
- 1) SOILS EVALUATION CONDUCTED BY CHATHAM COUNTY HEALTH DEPARTMENT
- 2) DRAWDOWN CALCULATION IS BASED ON STRAIGHT TANK DIMENSIONS,

WMS 1000 STB 793
8/10/95

WMS 1000 PT-121
8/19/95

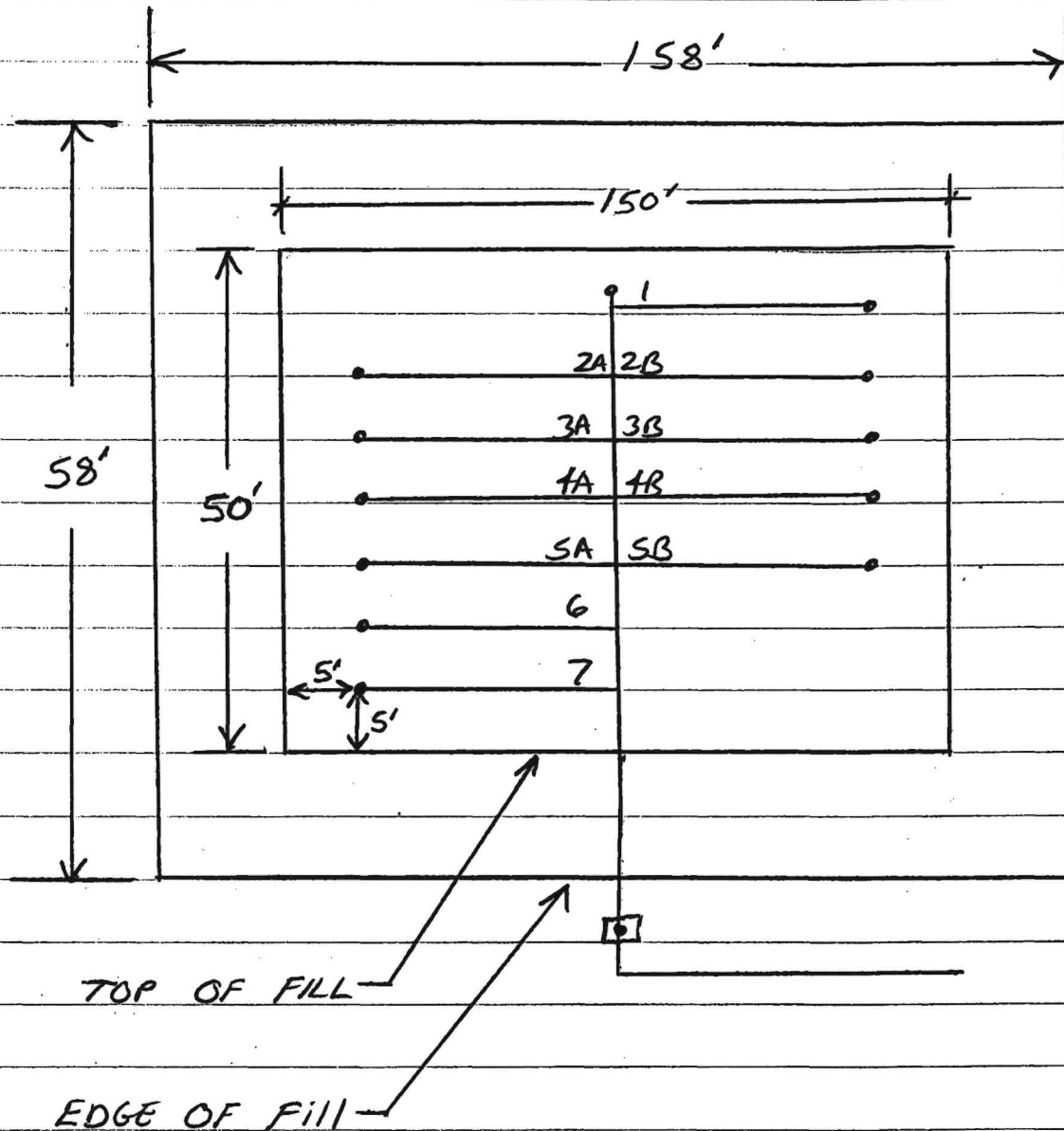
LATERAL	ELEV.(FT)	HEAD	HOLE SIZE (IN)	FLOW PER HOLE (GPM)	LENGTH	SPACING (FT)	NO. HOLES	FLOW PER LATERAL (GPM)	INST. FLOW RATE (GPM/FT)
1	95.5	2.0	5/32	.407	70	6.4	10	4.07	.058
2A	95.15	2.35	5/32	.441	70	7.0	9	3.97	.057
2B	95.15	2.35	5/32	.441	70	7.0	9	3.97	.057
3A	94.7	2.8	5/32	.482	70	7.7	8	3.86	.055
3B	94.7	2.8	5/32	.482	70	7.7	8	3.86	.055
4A	94.5	3.0	5/32	.499	70	8.7	7	3.49	.050
4B	94.5	3.0	5/32	.499	70	8.7	7	3.49	.050
5A	94.2	3.3	5/32	.523	70	8.7	7	3.66	.052
5B	94.2	3.3	5/32	.523	70	8.7	7	3.66	.052
6	93.85	3.65	5/32	.550	70	10	6	3.30	.047
7	93.5	4.0	5/32	.576	70	10	6	3.46	.049
TOTAL					770			40.79	

16% FLOW REDUCTION



<u>Line #</u>	<u>COLOR</u>	<u>LENGTH</u>
1	O	70
2A	Y	70
2B	Y	70
3A	R	70
3B	R	70
4A	B	70
4B	B	70
5A	O	70
5B	O	70
6	Y	70
7	B	70
		<u>770'</u>

ALL DISTRIBUTION LATERALS SHALL
BE SLEEVED IN 4" PERFORATED, CORRUGATED
PLASTIC DRAIN LINE



PLAN VIEW OF FILL SYSTEM

N.T.S.



Private Well & Wastewater Disposal Setback Compliance Approval
CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
80 EAST STREET, P.O. BOX 130 • PITTSBORO, NC 27312-0130
PHONE 919-542-8208 • FAX 919-542-8288

www.chathamcountync.gov/government/departments-programs/environmental-health

Approval Valid for 6 Months From Date of Issuance

In Office Review ☐ Site Visit ☒

Owner: Joe Romeu & Sandra Romeu
Mailing Address: 274 Powers Country Ln, Bennett NC 27208
911 Address: 274 Powers Country Ln, Bennett NC 27208
Parcel Number: 71945
Subdivision Name: N/A
Subdivision Lot: N/A

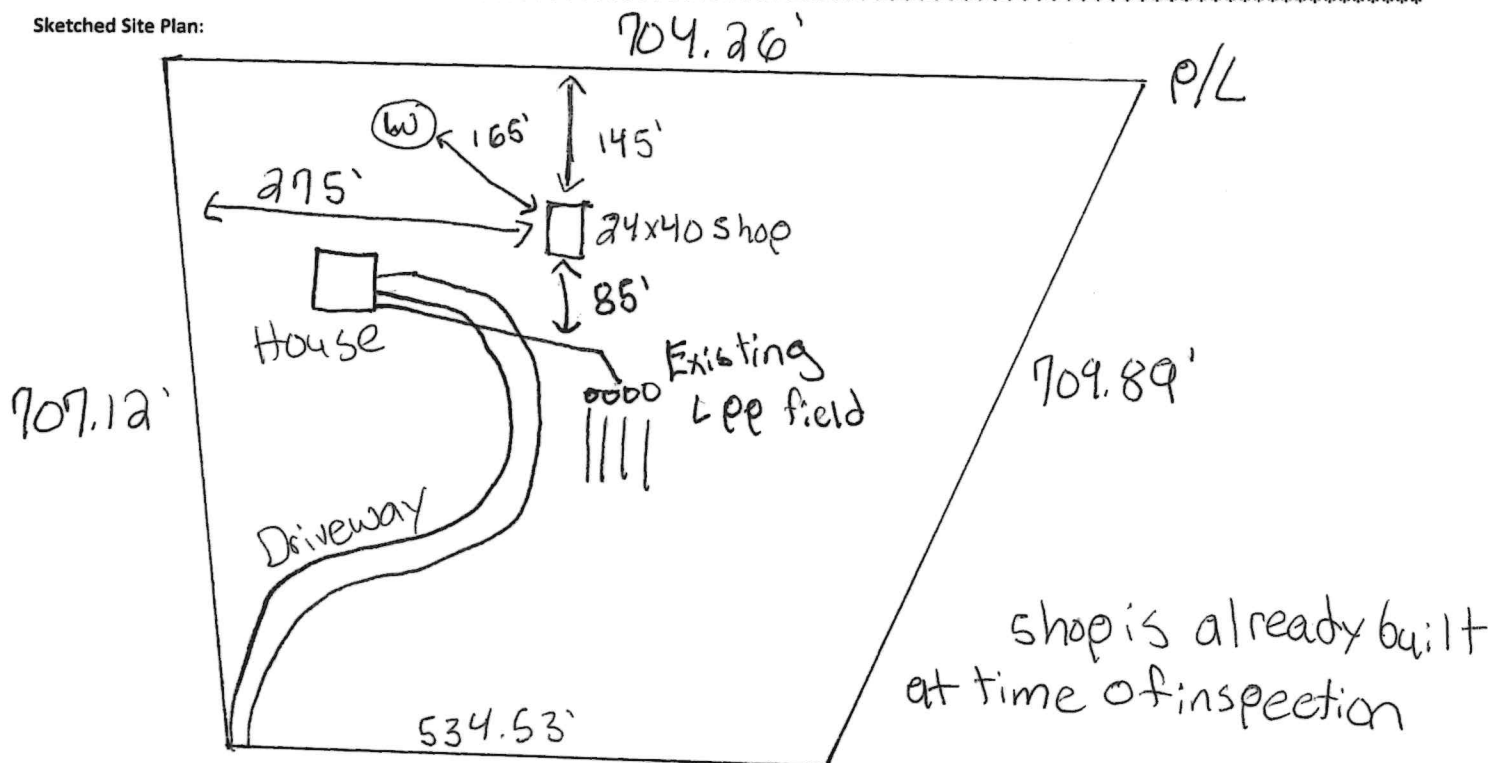
Wastewater System Type: IV

Water Supply: Private ☒ Public ☐ Community ☐

Number of Bedrooms: 3 or Business Type: N/A Number of Occupants: 6

*Approval is for: 24' X 40' detached metal frame shop / No Power / No Water

Sketched Site Plan:



*The approval does not constitute compliance with any planning or zoning setback distances or land use requirements of the planning jurisdiction in which the property is located.

The Environmental Health Division recommends the property owners have their wells sampled for bacteria once a year. It is recommended to clean the septic tank effluent filter every year and pump the tank routinely (every 3-5 years with average use) to ensure proper operation and prolong the life of the system.

Approved by: Travis Brown
Registered Environmental Health Specialist

Date: 12/16/21