BOOK-2024-53969

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

PERMIT : OSWP - 2024-49320

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4821 - 93 - 1912

APPLICANT/OWNER: GARY HOOVER APPLICANT ADDRESS: 97 SCENIC DRIVE, DENVER, P.A. 17517

SITE ADDRESS: 1489 FRIENDSHIP ROAD, STATESVILLE, N.C. 28625 PHONE: 717-669-7669 ALT. PHONE 717-799-8084

SITE DIRECTIONS: (N) ON 115, (R) ON FRIENDSHIP, LOT ON (R) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: — SECTION: — LOT # — LOT AREA: 2.23AC DESIGN FLOW: 360 GPD L.T.A.R.(Initial): 0.25 L.T.A.R (Repair): 0.25

Septic Tank	1000	(gal)	STB	854	Date	—	☐ New System	☐ Repair	☑ Expansion	System Type: I II (III) IV V VI	
Pump Tank	—	(gal)	PT	—	Date	—	System Description:	EXISTING CONVENTIONAL + 50% REDUCTION HPPBPS			
Pump Make	—	Model	—	Serial #	—		Repair System Description:	HPPBPS			
# Nitrification Fields	1	# Lines	5	Linear Ft	EXT +162		Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36 IN	*Max. Trench Depth(Initial)	54 IN	*Max. Trench Depth(Repair)	54 IN	Gravel Depth	—	☑ GRAVITY	☐ PRESSURE		

* Measured on the downhill side of the trench Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 Usable Depth to LC (Initial): 63 IN

☑ Residence	No. Bedrooms	3	Water Supply	
☐ Business	No. Persons	6	☑ Private EXT	
☐ Other	No. Employees	—	☐ Public	
☐ Slab	☑ Crawl Space		☐ Community	
☐ Basement w/plumbing	☐ Basement w/o plumbing			

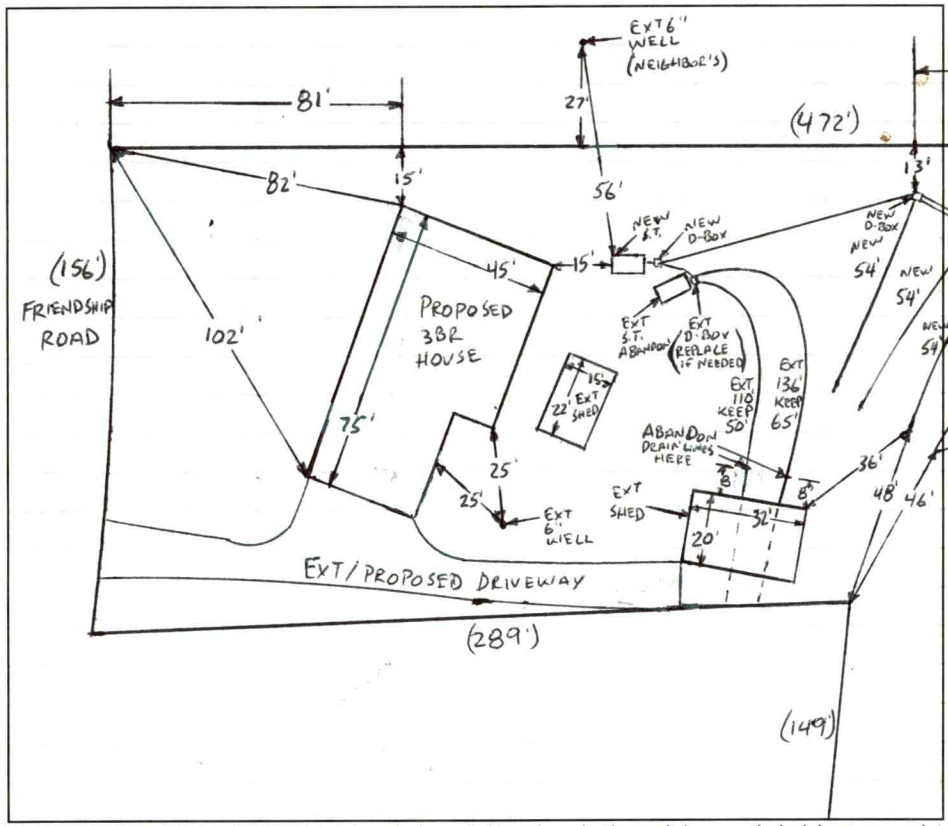
Usable Depth to LC (Repair): 63 IN *Limiting Condition*

Comments / Conditions: PUMP, CRUSH, AND FILL EXISTING SEPTIC TANK, INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, DO NOT EXCEED A 60IN MAX TRENCH DEPTH (HIGHSPOT), DO NOT SHALLOW UP, ABANDON EXISTING LINES AS SHOWN WITH EARTHEN DAM.

SYSTEM MUST BE VENTED PER MANUFACTURER SPECS

PRE-CONSTRUCTION MEETING RECOMMENDED CALL 704-902-0273 PRIOR

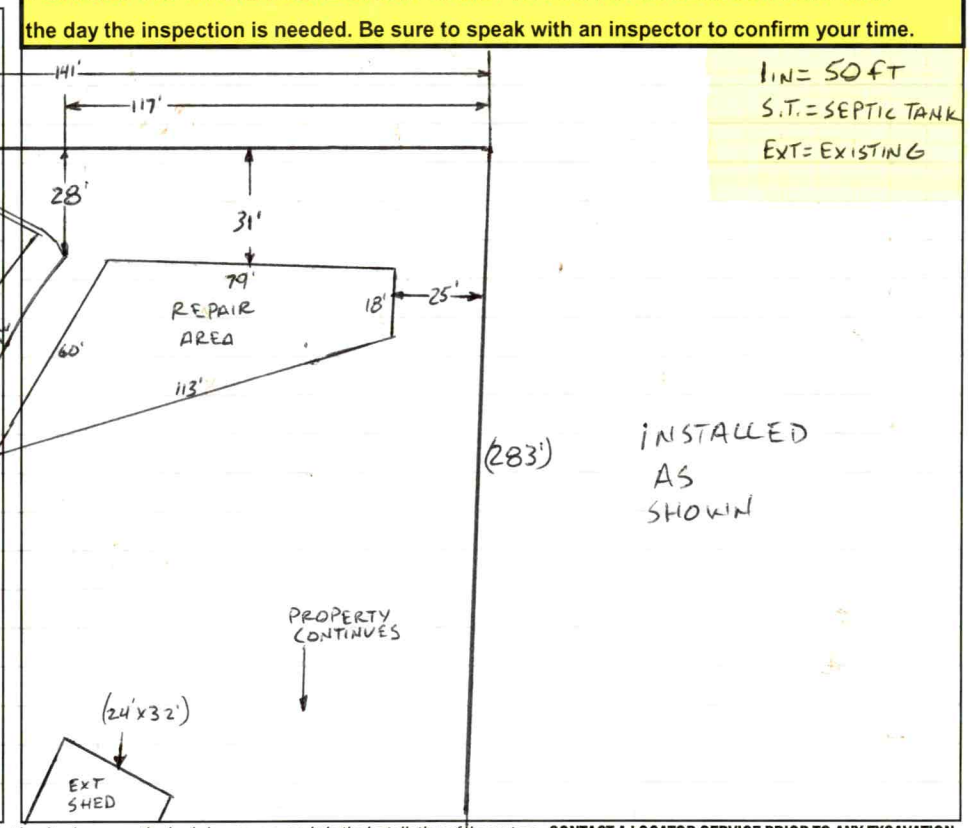
INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am

the day the inspection is needed. Be sure to speak with an inspector to confirm your time.



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** ***with plat*** *valid without expiration.* ☑ **IMPROVEMENT PERMIT** ***with site plan*** *valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE SIGNATURE Date: — Installed by: A-1 BACKHOE

IMPROVEMENT PERMIT by: Bryant C. White Date: 5-14-2024 OPERATION PERMIT by: Bryant C. White Date: 2-24-2025

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 5-14-2024 Existing System Inspected by: Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4821-93-1912
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: GARY HOOVER DATE EVALUATED: 4-17-2024
ADDRESS: 97 SCENIC DRIVE, DENVER, P.A. 17517
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360GPD PROPERTY SIZE: 2.23 A
LOCATION OF SITE: 1489 FRIENDSHIP ROAD, STATESVILLE, N.C. 28625 PROPERTY RECORDED: YES
WATER SUPPLY: Public ✓ Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 50FT
EVALUATION METHOD: Auger Boring ✓ Pit Cut TYPE OF WASTEWATER: ✓ Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	HEAD 7%	0-11	FILL	MIXED	2.5Y6/6 @ 18", 26" 34" 2.5Y 7/2 @ 33" SAP INC	77" 38"+	NA	NA	PS .25 60" INSTALL VENT HPPBPS	3"
		11-38	C, ST ABK	FI, S, P, SEXP						
		38-77	CL, WABK	FI, SS. SP. SEXP						
2	LINEAR SIDE 10%	0-12	FILL	MIXED	2.5Y6/6 @ 23", 32" 39" 2.5Y6/2 @ 33"	75"+	NA	NA	PS .25 60" INSTALL VENT HPPBPS	4"
		12-21	SCL, W ABK	FR, SS, SP, SEXP						
		21-55	C, ST ABK	FI, S, P, SEXP						
		55-75	CL, WA BK	FI, SS, SP, SEXP						
3	HEAD 8%	0-17	SCL, WABK	FR, SS, SP, SEXP	2.5Y 4/6 @ 18", 26" 30" 2.5Y6/2 @ 28" SAP INC 40"+ FEW FI	75"+	NA	NA	PS .25 60" INSTALL VERT HPPBPS	4.5
		17-40	C, ST ABK	FI, S, P, SEXP						
		40-75	CL, WABK	FI, SS, SP SEXP						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	EXT + HPPBPS	HPPBPS
Site LTAR	0.25	0.25
Maximum Trench Depth	54 IN	54 IN

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Bryant C. White
OTHER(S) PRESENT: _____

Comments: VENT SYSTEM

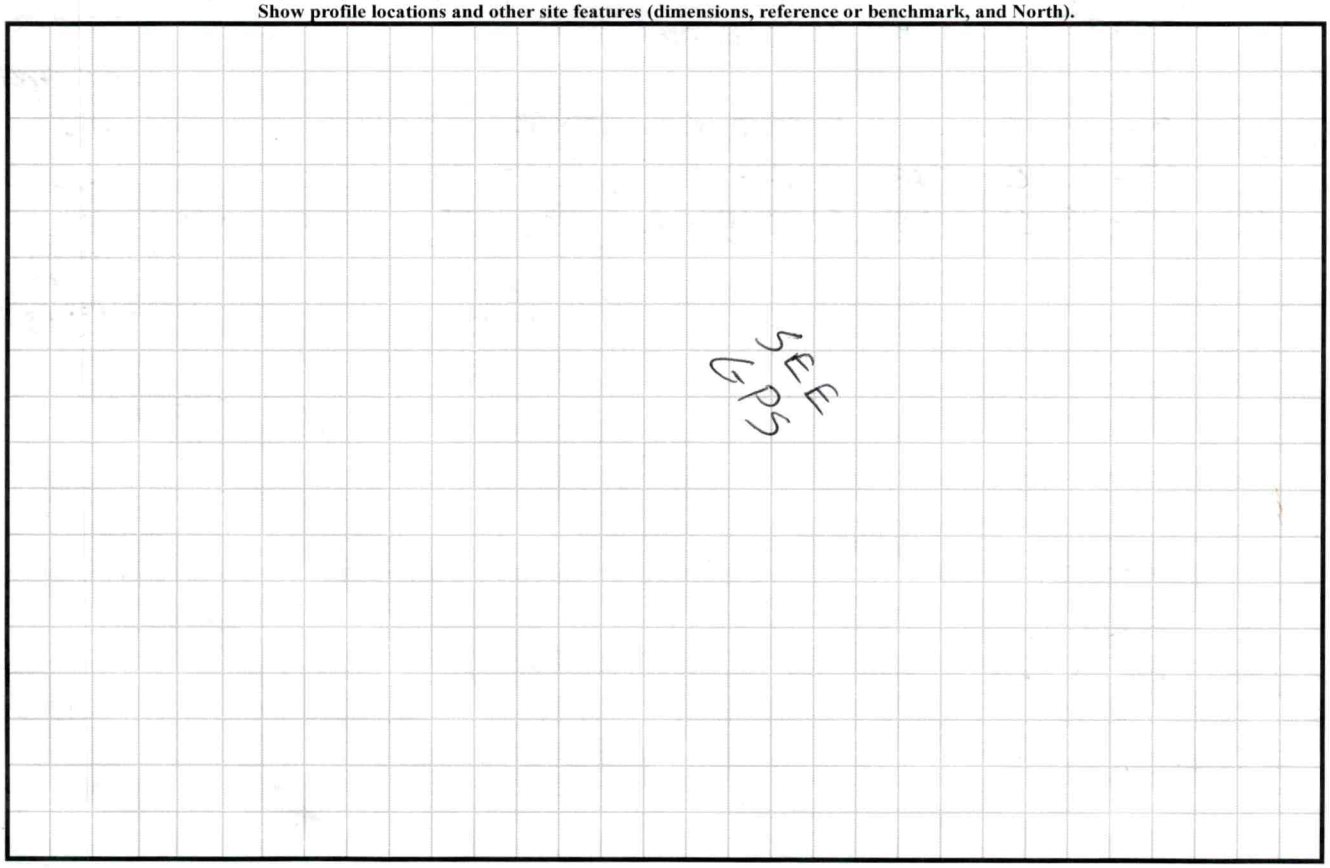
LEGEND

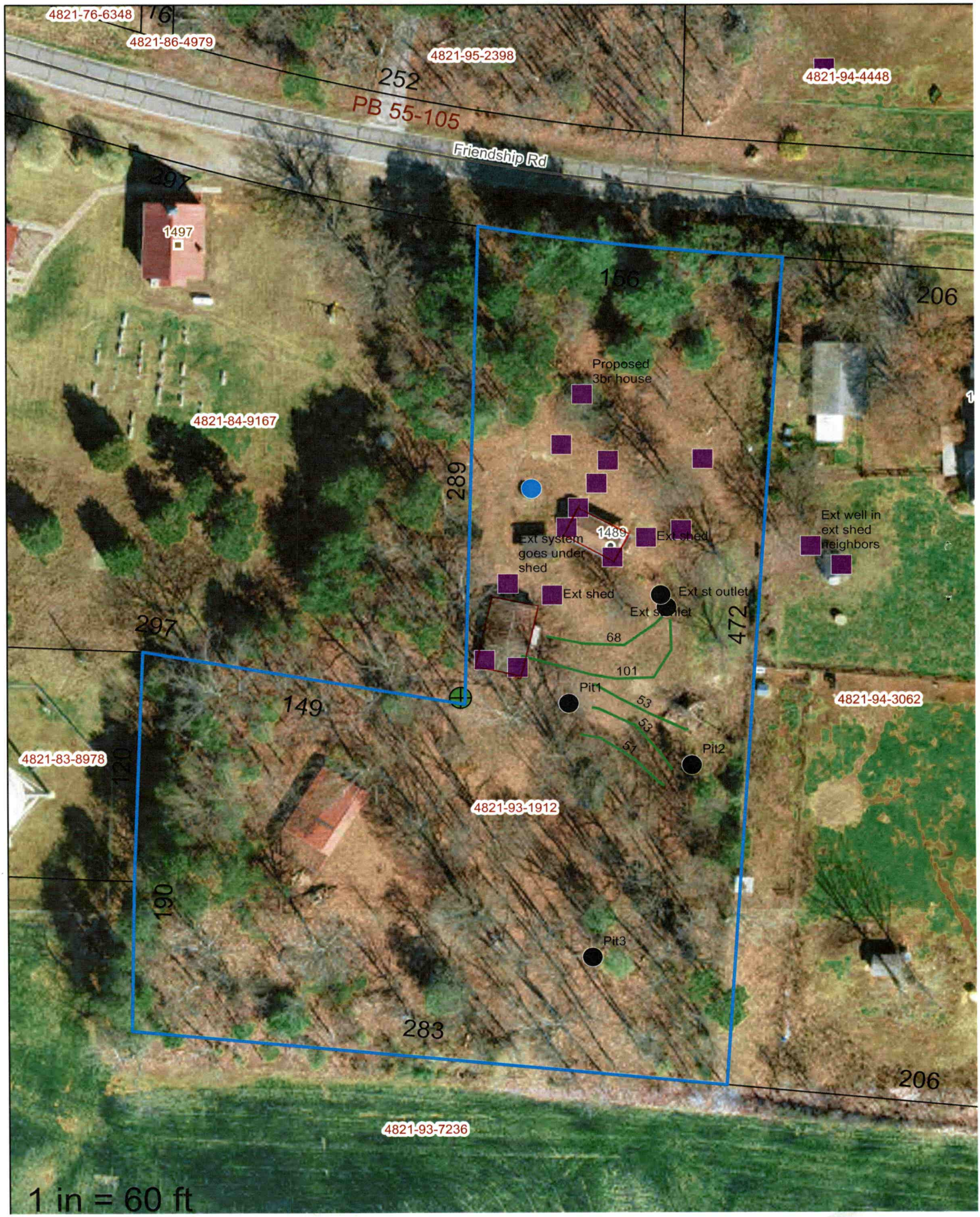
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).




4821-76-6348
76
4821-86-4979
4821-95-2398
252
PB 55-105
Friendship Rd
4821-94-4448
297
1497
156
206
Proposed
3br house
4821-84-9167
289
1489
Ext shed
Ext system
goes under
shed
Ext well in
ext shed
neighbors
Ext shed
Ext st outlet
Ext st outlet
472
297
68
101
Pit1
53
53
51
Pit2
149
4821-94-3062
4821-83-8978
120
4821-93-1912
190
Pit3
283
206
4821-93-7236
1 in = 60 ft

PERMIT SNAPSHOT REPORT OSWP-2024-49320 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/18/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	03/26/2024
Valuation:	$0.00	**Assigned To:**	White, Bryant	**Approval Expire Date:**	

Description: OWNER CAME IN AND SAID EVERYTHING IS MARKED - EXPANSION building a new stick built hc and need an expansion for the existing septic for a 3 bedroom. Site visit 4/8/24, site is ready -BM

Parcel: 4821931912.000 Main	**Address:** 1489 Friendship Rd Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
Carmella Hoover
Home: (717) 799-8084

Applicant/Authorized Agent
Gary Hoover
97 Scenic Drive
Denver, PW 17517
Mobile: (717) 669-7669

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Expand septic to add bedrooms	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	73x41
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Existing Well	Desired Septic System Type	No Preference
Lot Acreage	2.23	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Mar 25 2024 12:00AM
Zoning Permit Expiration Date	Sep 21 2024 12:00AM	Is the structure or development in the floodplain	No	Is the property in a local historic district?	No
Is the property located downtown?	No	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

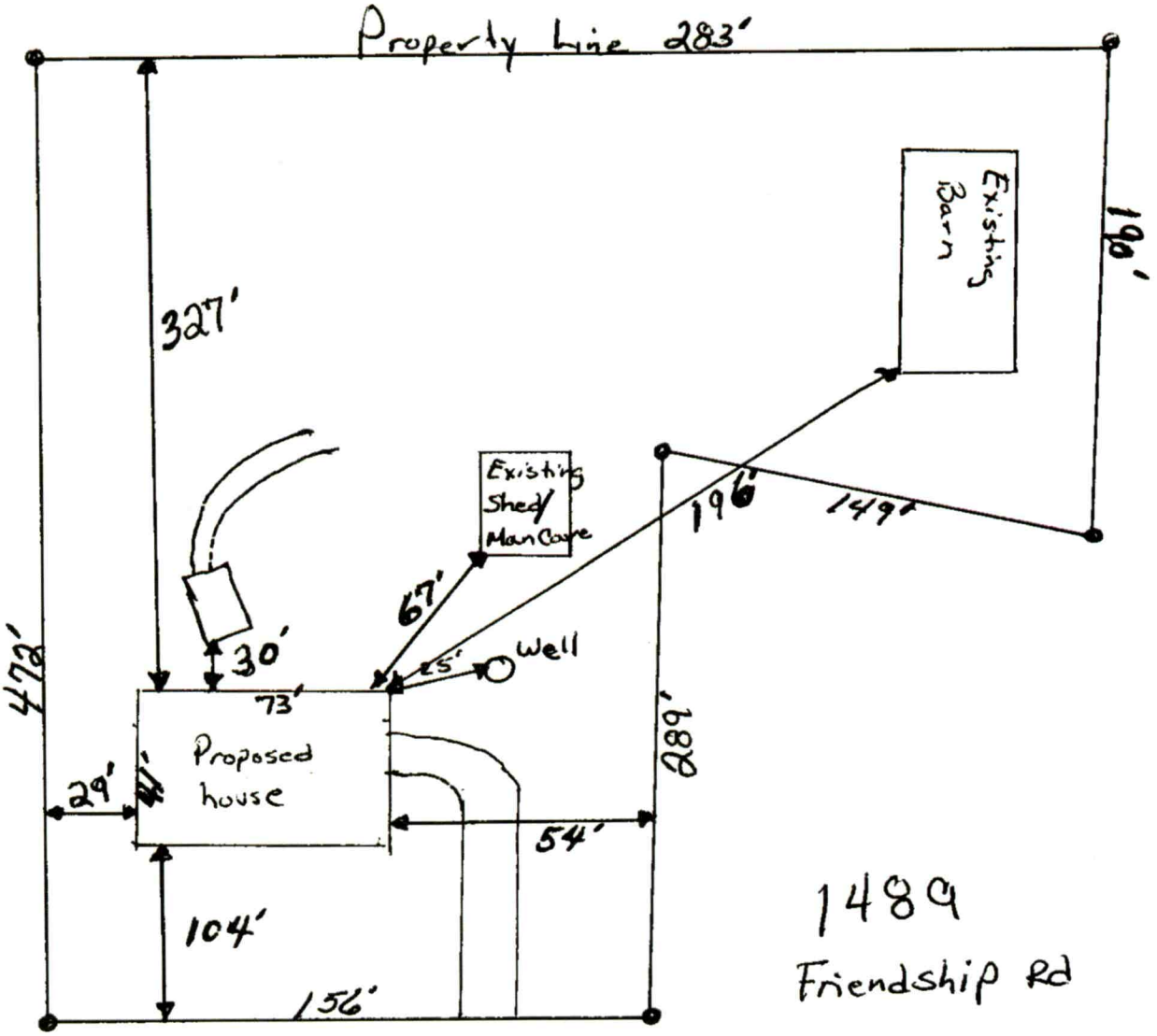
Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Julia Bailey	03/20/2024 8:51	OSWP-2024-49320	site plan must include all existing structures and measurements to the home locations	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_Hoover_3/18/2024.jpg	03/18/2024 11:52	Hoover, Gary		Uploaded via CSS
owner document 1489 friend_v1.pdf	03/19/2024 8:26	Hoover, Gary	Available Online	
Site Plan 1489 Friedship RD_v2.pdf	03/25/2024 8:23	Hoover, Gary	Available Online	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00028684	Iredell Zoning Tech Fee	$2.25	$2.25
	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00028684	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

PERMIT SNAPSHOT REPORT (OSWP-2024-49320)

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/19/2024 8:26	03/19/2024 8:26
Confirm application complete v.1	Generic Action		03/19/2024 8:26
Fees v.1		03/25/2024 9:16	03/26/2024 7:42
Issue Invoice v.1	Generic Action		03/25/2024 9:16
Fees Paid v.1	Generic Action		03/26/2024 7:42
Zoning Review v.1		03/25/2024 8:27	03/26/2024 7:42
~~Floodplain Admin Overview v.1~~	Task		03/25/2024 8:27
Iredell County Zoning Approval v.1	Task	03/25/2024 8:27	03/25/2024 8:30
Issue Invoice v.1	Generic Action		03/25/2024 8:28
Fees Paid v.1	Generic Action		03/26/2024 7:42
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		



Right of way

Friendship Rd

Site Plan

01407

IREDELL COUNTY HEALTH DEPARTMENT

(SEPTIC TANK) IMPROVEMENTS PERMIT AND CERTIFICATE OF COMPLETION
(Ground Absorption Sewage Disposal System -- G. S. Chapter 130-Article 13C)

OWNER OR CONTRACTOR Robin E. Sloan DATE 6-27-84 PERMIT NO. _____

PHONE: Business _____ Home _____

LOCATION 115 N - TR on SR 1896 Friendship Ch. Rd / Medlin Hanna Rd. past Sandy Ridge Meth. Ch. S. R. No. 1896

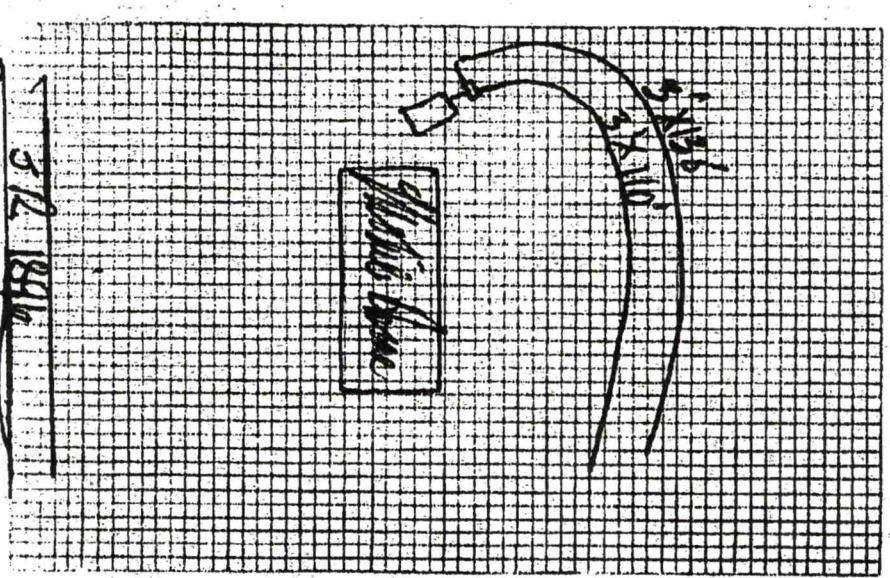
SUBDIVISION NAME _____ LOT NO. _____ SECTION OR BLOCK NO. _____

House ( ) Mobile Home (✓) Business ( ) Other _____

No. Bedrooms 2 No. Bathrooms 1½

Garbage Disposal Unit Yes ( ) No (✓)
Auto. Dishwasher Yes ( ) No (✓)
Auto. Wash. Machine Yes (✓) No ( )
Site Suitable Yes (✓) No ( )
Lot Area 2.23

Character & Porosity of Soil Cecil - Pro. Suitable
Percolation Rate 4 Sug. Rate
Topography 2 to 6% slopes
Depth to Water Table 60"
Rock or other impervious formations Cattail Rock



Plot of System

Size of Tank 1000 Gals.
Nitrification Field:
No. of Lines 2
Sq. Ft. 720 Linear Ft. 240
Depth of Stone in Lines 12"
Water Supply: Individual (✓)
Public ( )

Installed by James Hartness

I understand and agree to install septic tank system as specified on this Improvements Permit.

Signed: _____

IMPROVEMENTS PERMIT BY _____

COMMENTS: _____

CERTIFICATE OF COMPLETION BY _____ DATE 6/27/84

EXISTING SYSTEM CHECKED BY: _____ DATE _____

CONSTRUCTION MUST COMPLY WITH ALL OTHER APPLICABLE STATE AND LOCAL REGULATIONS.
Permit is VOID if any unauthorized changes are made in installation of system and/or if any false information is supplied in making Improvements Permit.

Health Dept. Copy: White Inspection Dept. Copy: Yellow Sanitarian's Copy: Pink Owner's Copy: Gold