ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BSB

BLDR-2024-58860

PERMIT: OSWP 2024-58884

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

PIN #4664 - 69 - 5083

APPLICANT/OWNER: Paul Menerd | APPLICANT ADDRESS: 136 Hanover Ln Davidson, NC 28036

SITE ADDRESS: 136 Hanover Ln Davidson, NC 28036 | PHONE: (704) 929-2236 | ALT. PHONE: -

SITE DIRECTIONS: E Mills Ave, Anniston Way, Timberside, Hanover | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Anniston | SECTION: P3 | LOT #: 98 | LOT AREA: 3.76ac | DESIGN FLOW: 600 gpd | L.T.A.R.(Initial): Ext | L.T.A.R (Repair): Ext

Septic Tank: 1500 Ext (gal)	STB	Date	~~New System~~ ~~Repair~~ ~~Expansion~~ System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms: 5	**Water Supply**
Pump Tank: 1500 Ext (gal)	PT	Date	System Description: Existing	☐ Business	No. Persons: 10	☒ Private
Settling Tank: 1000 (gal)	1012	Serial #	Repair System Description: Existing	☐ Other	No. Employees: -	☐ Public
# Nitrification Fields: Ext	# Lines: Ext	Linear Ft: Ext	Maintenance Agreement Required: ☐ YES ☒ NO	☒ Slab	☐ Crawl Space	☐ Community
Trench Width: Ext	*Max. Trench Depth(Initial): Ext	*Max. Trench Depth(Repair): Ext	Gravel Depth: - ☐ GRAVITY ☒ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	
* 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): Ext	Usable Depth to LC (Repair): Ext		*Limiting Condition*

Comments / Conditions: Install settling tank where setbacks can be met. The purpose of this permit is for the settling tank being placed before the septic tank. The settling tank is ~~Gravity~~ connected to the grinder pump on the proposed garage.

INITIAL SITE SKETCH

See attached survey for plans

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.*

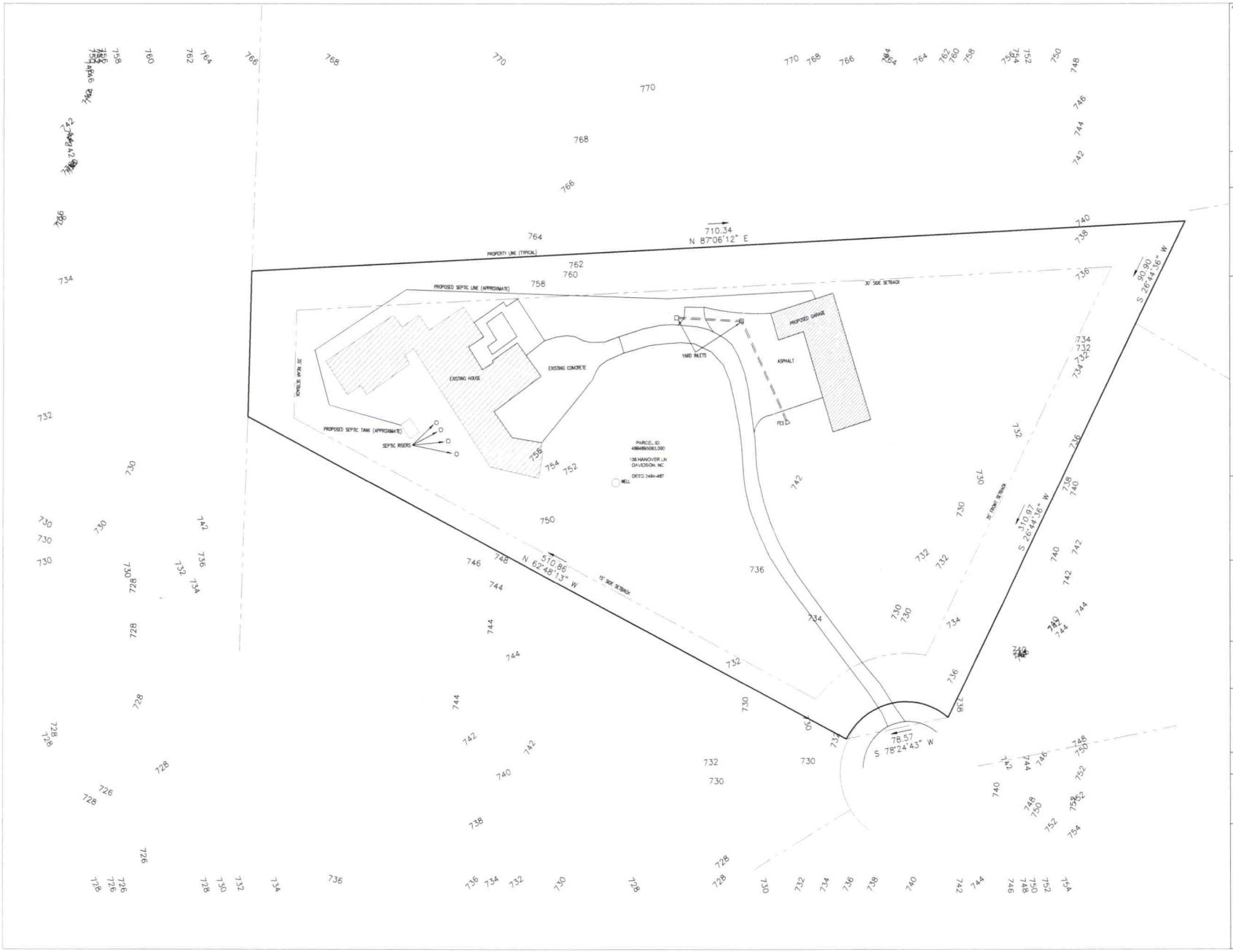
Owner / Applicant Signature: Online Signature | Date: | Installed by: A-1 Backhoe

IMPROVEMENT PERMIT by: Matt Wilkie | Date: 9/4/24 | OPERATION PERMIT by: Dmeloy | Date: 9/12/24

AUTHORIZATION TO CONSTRUCT by: Matt Wilkie | Date: 9/4/24 | 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? _____	



PROJECT TITLE

PAUL MENARD SHOP

OWNER
PAUL MENARD
JENNIFER MENARD

136 HANOVER LN
DAVIDSON, NC

SETBACKS (S.B.):
ROAD YARD: 35'
SIDE YARD: 15'
REAR YARD: 35'

C-1.00
SITE PLAN

PARCEL ID:
4864686080.000

136 HANOVER LN
DAVIDSON, NC

DEED 2484-467

CODDLE CREEK TOWNSHIP
IREDELL COUNTY, NC
JULY 21, 2024

HELTON
SURVEYING & MAPPING PLLC

FIRM #P-2686
JACOB W. HELTON, PLS
JACOB@HELTON.BIZ
3579 ANDERSON MOUNTAIN RD
MAIDEN, NC 28650

NORTH CAROLINA
PROFESSIONAL
SEAL
L-5105
LAND SURVEYOR
JACOB W. HELTON

REVISIONS:
1. MIRRORED BUILDING FOOTPRINT 7-26-24
2. SHIFTED BUILDING TO 30' S.B. 8-5-24
3. ADDED PROPOSED SEPTIC 9-3-24

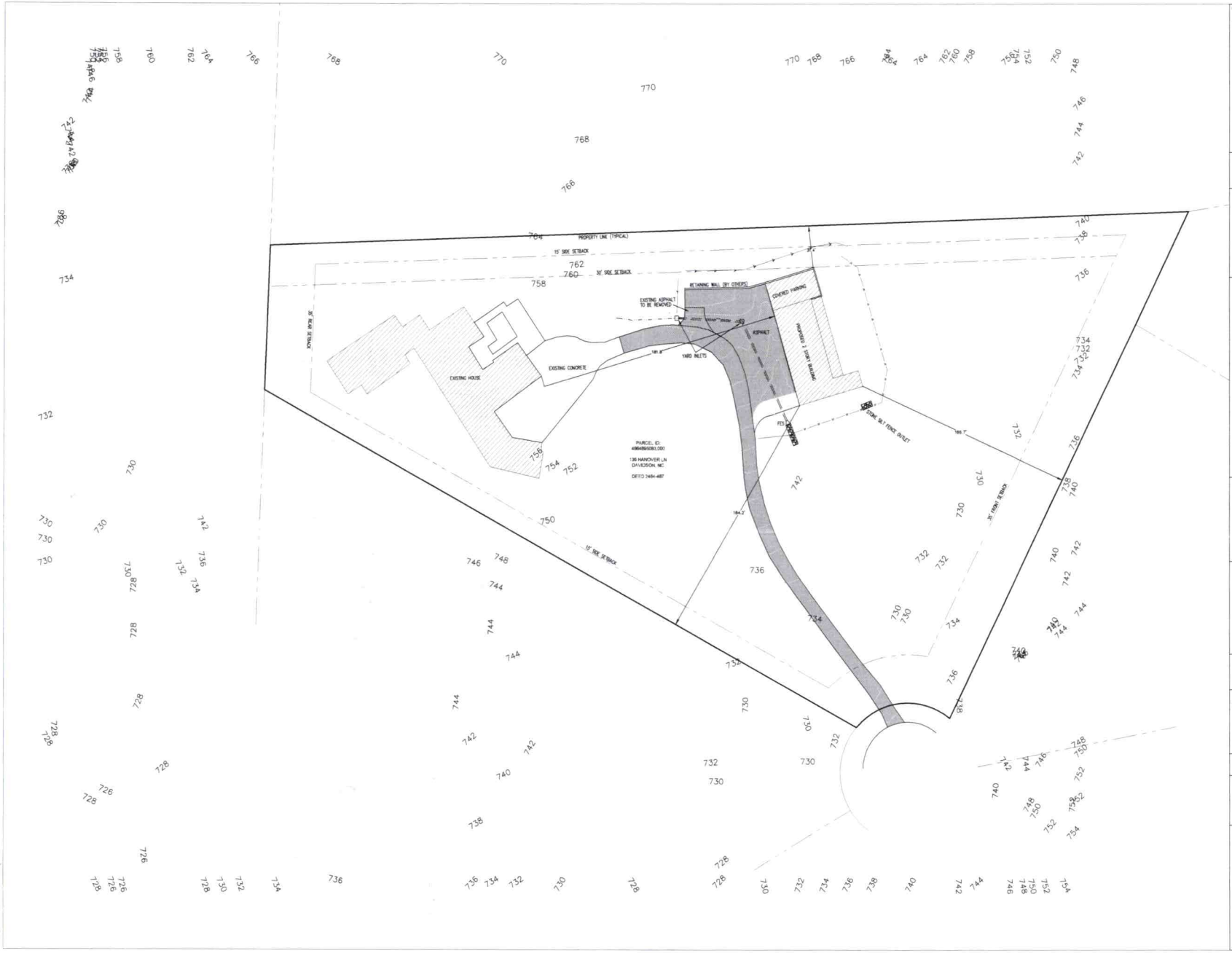
DRAWING NOTES:
1. SURVEY DATA FROM IREDELL GIS
2. CONTOUR DATA FROM NCDOT LIDAR

DRAWN: JOB:
JWH 24074

0 30 60
SCALE: 1" = 30'

VICINITY SKETCH:
NO SCALE





PROJECT TITLE:

PAUL MENARD SHOP

OWNER
PAUL MENARD
JENNIFER MENARD
136 HANOVER LN
DAVIDSON, NC

SETBACKS (S.B):
ROAD YARD: 35'
SIDE YARD: 15'
REAR YARD: 30'

C-1.00
SITE PLAN

PARCEL ID:
4664864080.000
136 HANOVER LN
DAVIDSON, NC
DEED 2464-487

CODDLE CREEK TOWNSHIP
IREDELL COUNTY, NC
JULY 21, 2024

HELTON
SURVEYING & MAPPING PLLC

FIRM #P-2095
JACOB W. HELTON, PLS
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3579 ANDERSON MOUNTAIN RD
MAIDEN, NC 28650

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DRAWING NOTES:
1. SURVEY DATA FROM IREDELL GIS
2. CONTOUR DATA FROM NCDOT LIDAR

DRAWN: JOB:

0 30 60
SCALE: 1" = 30'

VICINITY SKETCH:
NO SCALE



10:00 260 Laurel Cove Overdrive

10:00 247 Shoreline Loop Precision

11:00 Carolina Septic 704 960 8847
160 Ballycastle

IREDELL COUNTY HEALTH DEPARTMENT

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

Upgrade to 5 Bedrooms

PERMIT # 223990

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

PIN # 4664695083

APPLICANT: W+B Inc / Paul Menard APPLICANT ADDRESS: P.O. Box 4301 Mooresville, NC

SITE ADDRESS: 136 Hanover Ln Davidson, NC PHONE: 704 309-4301 ALT. PHONE: 715 215 1466

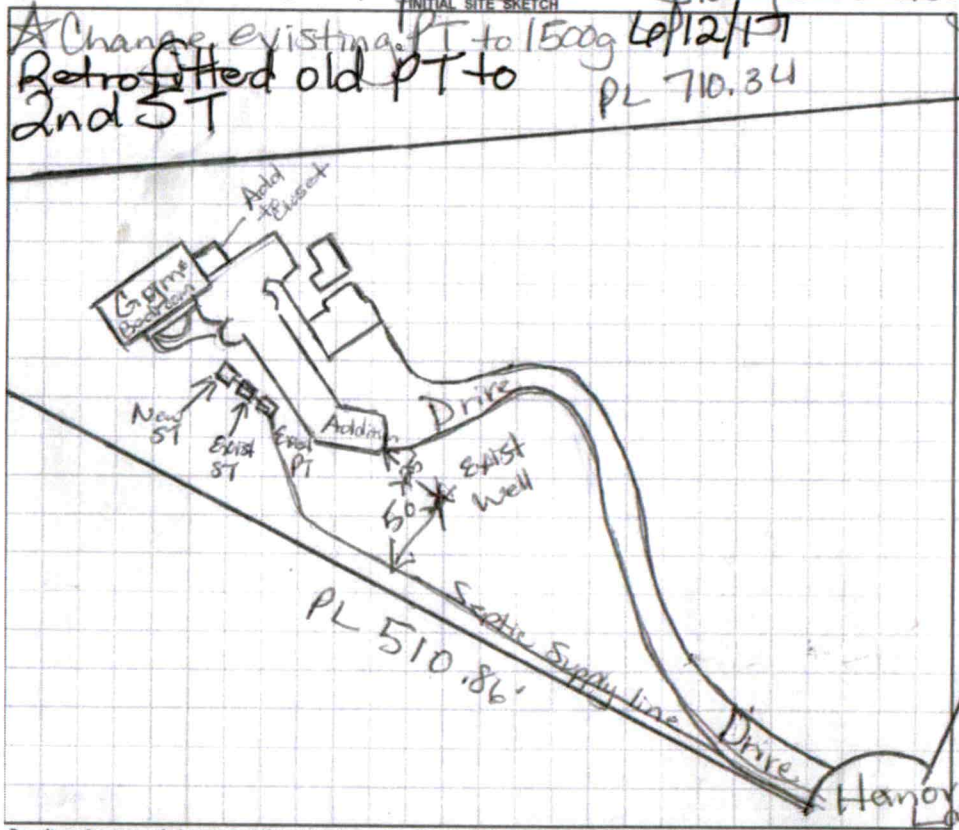
SITE DIRECTIONS: Shearers Rd TL Anniston Way TL Timberside Dr. TL Hanover Ln at end

SUBDIVISION: Anniston SECTION: 3 LOT # 98 LOT AREA: 3.7Ac DESIGN FLOW: 600gpd L.T.A.R.: .275

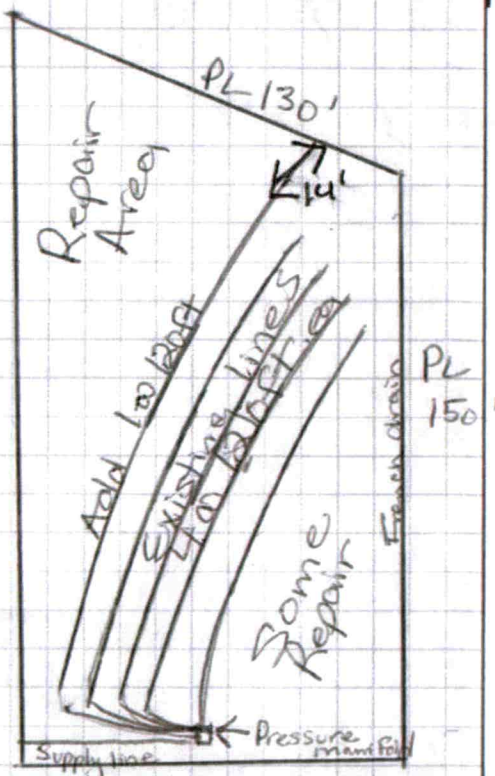
Septic Tank: 1560 (gal)	STB	Date	☐ New System ☐ Repair ☒ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 5	Water Supply
Pump Tank: 1500 (gal)	PT 477	Date 4-19-17	System Description: Effl Pump - PM - 25% Reduction		☐ Business	No. Persons 10	☒ Private
Pump Make	Model	Serial #	Repair System Description: LP PPBPS		☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 1	Linear Ft: 120	Maintenance Agreement Required:	☐ YES ☒ NO	☒ Slab	☐ Crawl Space	☐ Community
Trench Width 36"	Max. Trench Bottom Depth 36"	Gravel Depth N/A		☐ GRAVITY ☒ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Either add an extra 1000 gal Septic tank before existing 1000g ST & All Sewage must go through both Septic Tanks or replace existing 1000g ST with 1500g ST. Add an additional drainline @ 20ft. Use same top size as existing drainlines. 6/12/17 Installed Quick 4 122ft trench Cap Set 2.4 pressure

INITIAL SITE SKETCH



AS BUILT SKETCH



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☐ **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: [signature] Date: 5/2/17 Installed by: R&T

IMPROVEMENT PERMIT by: Maria Dotson RS Date: 4/25/17 OPERATION PERMIT by: Maria Dotson Date: 6/13/17

AUTHORIZATION TO CONSTRUCT by: Maria Dotson RS Date: 4/25/17 Existing System Inspected by: Date:

PERMIT SNAPSHOT REPORT OSWP-2024-58884 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/01/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wilkinson, Matthew	**Approval Expire Date:**	

Description: New Construction detached garage with one bathroom.

Parcel: 4664695083.000 Main	**Address:** 136 Hanover Ln Davidson, NC 28036 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent
BUILD CHARLOTTE LLC
125 Trade Ct suite F #201 125 Trade Ct Suite F 201
Mooresville, NC 28117
Business: (704) 929-2236
Mobile: (704) 929-2236

Property Owner
PAUL+JENNIFER MENARD

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	30 x 72
What are the proposed structures	Accessory Building	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	0
If other Addition/Structure, please explain	It is a garage new Construction with bathroom	Number of Occupants	0	Foundation Type	Basement with Plumbing
Residential/Business/Other	Residential	Water Supply	Existing Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Improvement Permit with Plat
Has this project been approved by TRC	No	Lot Acreage	3.762	Back Setback	30
Left Setback	30	Right Setback	30	Zoning Permit Issued Date	Aug 19 2024 12:00AM
Zoning Permit Expiration Date	Feb 15 2025 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	Zoning Notes/Addendums	Accessory Structures: Must meet requirement R1 of the LDC. Shall not be erected in front building line of the principal structure or within 25' of a side street on a corner lot. Shall not be erected within 10' of any line not a street line or within 10' of any other building on the same lot. Shall not be erected within the 50' buffer zone of lake lots.		Shall not exceed the height limitation of the principal structure. Exceptions to the front building line location: 1.If the lot is 1 acre or greater and the location of the structure is at least 150'from the frontage street right of way line then the structure can be located in front of home or 2.Is a double frontage lake lot. Any accessory

PERMIT SNAPSHOT REPORT (OSWP-2024-58884)

building or structure over 2000 sq/ft shall be setback a minimum of 30' from any property line. Metal carports not exceeding 400 sq/ft are allowed in the front yard provided they meet the front setback requirement of the principal structure.	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Brandi Kendrick	08/16/2024 10:21	OSWP-2024-58884	needs site plan showing 30 ft set backs from all 4 property lines.	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Travis_Foster_8/1/2024.jpg	08/01/2024 10:29	Foster, travis		Uploaded via CSS
136 HANOVER LN AUTHORIZE AN OWNER.pdf	08/02/2024 12:39	COMEAUX, DEBRA	Available Online	AUTHORIZE AN OWNER
136 Hanover Updated site plan v2 (1)_v1.pdf	08/16/2024 10:36	Williams, Deborah	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-244212	Requested	OSWP Septic/Well Preliminary Site Visit	08/28/2024	08/29/2024 0:00	08/29/2024 0:00		

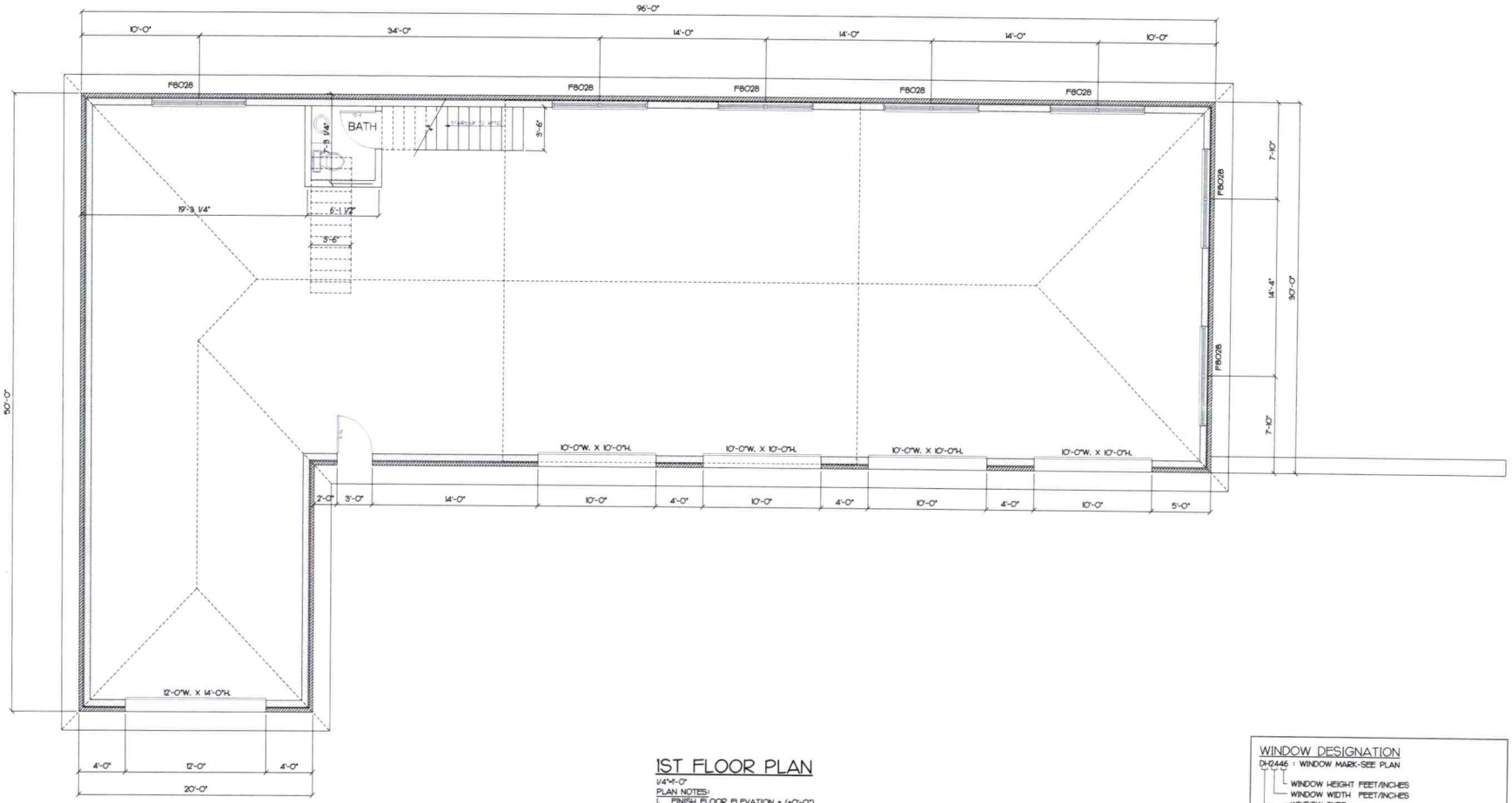
Inspectors: Fleming, Latasha (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Note	Created By	Date and Time Created
1. I called and left a voice message to call me back to confirm the property corners, house box is ready for me to inspect.	Peter Mravetz	08/28/2024 13:54

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00034861	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00034861	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		08/06/2024 10:56	08/06/2024 10:57
Confirm application complete v.1	Generic Action		08/06/2024 10:57
Zoning Review v.1		08/16/2024 10:11	08/26/2024 16:54
~~Floodplain Admin Overview v.1~~	Task		08/16/2024 10:11
Iredell County Zoning Approval v.1	Task	08/16/2024 10:11	08/26/2024 16:54
Issue Invoice v.1	Generic Action		08/16/2024 10:13
Fees Paid v.1	Generic Action		08/26/2024 16:54
Fees v.1		08/16/2024 10:12	08/28/2024 13:45
Issue Invoice v.1	Generic Action		08/16/2024 10:12
Fees Paid v.1	Generic Action		08/28/2024 13:45
Lot Readiness Verification v.1		08/28/2024 15:08	
OSWP Septic Preliminary Site Visit v.1	Inspection	08/28/2024 15:08	08/28/2024 15:08
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			



1ST FLOOR PLAN

1/4"=1'-0"

PLAN NOTES:

1. FINISH FLOOR ELEVATION = (+0'-0")
2. FOR GENERAL NOTES SEE DRAWING S200.
3. PROVIDE 5/8" TYPE X GYPSUM BOARD ON UNDERSIDE OF STAIR FRAMING, GARAGE CEILING FRAMING, AND INTERIOR GARAGE WALLS.

WINDOW DESIGNATION

DH2445 : WINDOW MARK-SEE PLAN

- WINDOW HEIGHT FEET/INCHES
- WINDOW WIDTH FEET/INCHES
- WINDOW TYPE
  - A - AWNING WINDOW
  - DH - DOUBLE HUNG
  - F - FIXED
  - C - CASEMENT
  - (T) - TEMPERED

PENETRATION AIR LEAKAGE:
WINDOWS, SKYLIGHTS AND SIDING PATIO DOORS = .3 CFM
SIDE HINGED DOORS = .5 CFM

PENETRATION OPENINGS:
U FACTOR = .35/ SKYLIGHTS = .65 NFRC100
SOLAR HEAT GAIN COEFFICIENT = .3 PER NFRC200

EMERGENCY ESCAPE WINDOWS:
ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPERABLE AREA OF 4 SQUARE FEET. THE MINIMUM CLEAR OPENING HEIGHT SHALL BE 22" AND THE MINIMUM CLEAR OPENING WIDTH SHALL BE 20".

RUGGLES ENGINEERING
Structural Engineers
113 Whispering Winds Drive
Cornelius, NC 28031
Ph: 704-718-5199
Fax: 828-478-8119

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028512 RICHARD M. RUGGLES
8/31/24

REVISIONS

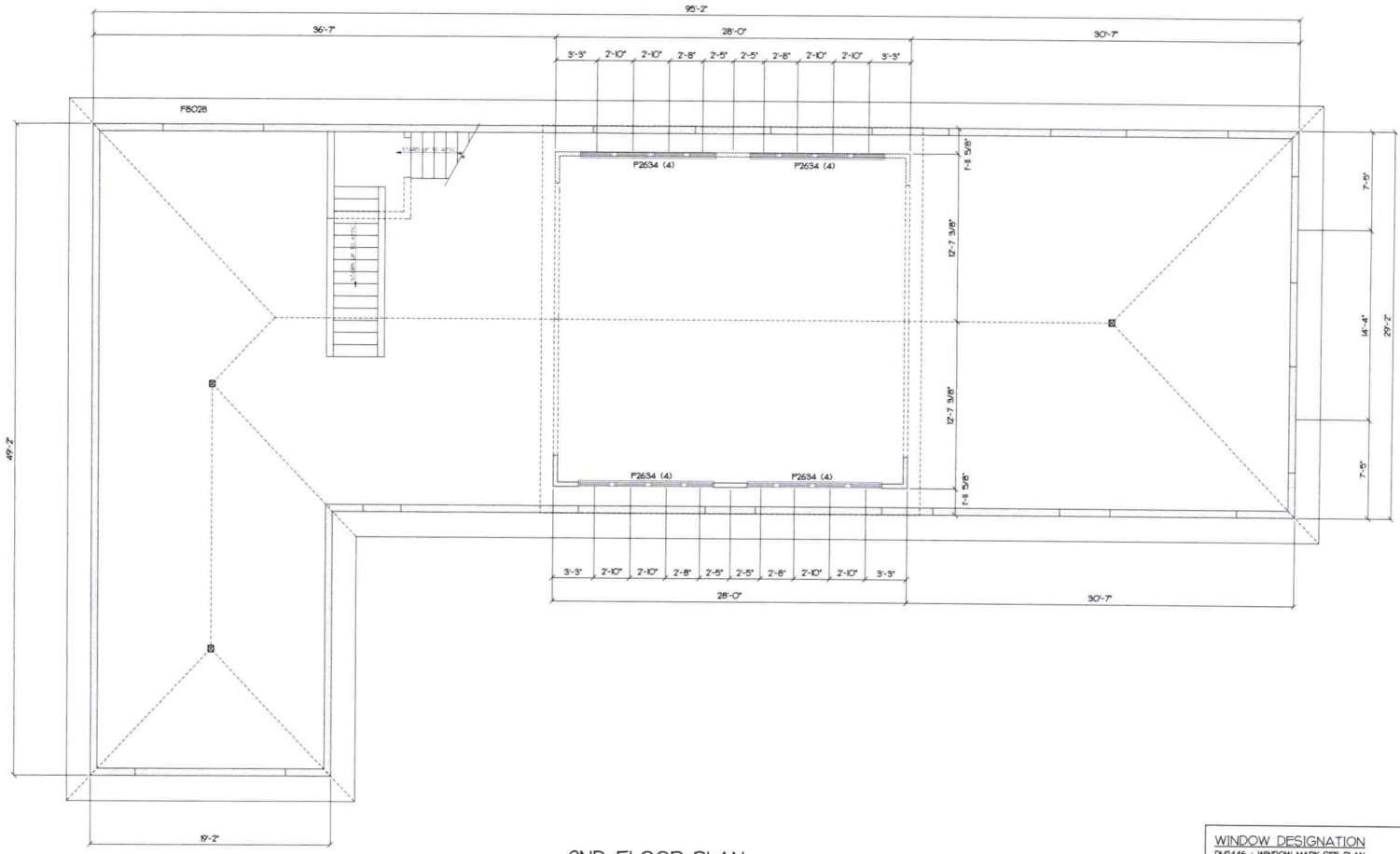
NO	DATE

MENARD GARAGE

136 HANOVER LANE DAVIDSON, NC 28036

1ST FLOOR PLAN

ISSUE DATE: 08-31-24
DRAWN BY: RMR
JOB NO: 24.2596
SHEET: A101
OF: 13



2ND FLOOR PLAN

1/4"=1'-0"

PLAN NOTES:

1. FINISH FLOOR ELEVATION = (+18'-0 3/4")
2. FOR GENERAL NOTES SEE DRAWING S200.
3. PROVIDE 5/8" TYPE X GYPSUM BOARD ON UNDERSIDE OF STAIR FRAMING, GARAGE CEILING FRAMING, AND INTERIOR GARAGE WALLS.

WINDOW DESIGNATION

DH2446 : WINDOW MARK-SEE PLAN

- WINDOW HEIGHT FEET/INCHES
- WINDOW WIDTH FEET/INCHES
- WINDOW TYPE
  - A - AWNING WINDOW
  - DH - DOUBLE HUNG
  - F - FIXED
  - C - CASEMENT
  - (T) - TEMPERED

PENETRATION AIR LEAKAGE:
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SIDE HINGED DOORS = .5 CFM

PENETRATION OPENINGS:
U FACTOR = .35/ SKYLIGHTS = .65 NFRC100
SOLAR HEAT GAIN COEFFICIENT = .3 PER NFRC200

EMERGENCY ESCAPE WINDOWS
ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPERABLE AREA OF 4 SQUARE FEET. THE MINIMUM CLEAR OPENING HEIGHT SHALL BE 22" AND THE MINIMUM CLEAR OPENING WIDTH SHALL BE 20".

RUGGLES ENGINEERING
Structural Engineers
118 Whispering Woods Drive
Mooresville, NC 28117
Ph: 704.778.5197 Fax: 888.418.9119

8/31/24

REVISIONS

NO.	DATE

MENARD GARAGE

136 HANOVER LANE DAVIDSON, NC 28036

2ND FLOOR PLAN

ISSUE DATE	08-31-24
DRAWN BY	RMR
JOB NO.	24.2596
SHEET	A102
OF	13