ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

ST

PERMIT # MANF-2024-58204 OSWP 2024-53038

PIN # 4812-27-6268

APPLICANT/OWNER: DAVID BOYLES | APPLICANT ADDRESS: 214 Farmwood Drive Statesville NC 28625

SITE ADDRESS: 547 Coolbrook Rd Union Grove NC 28689 | PHONE: 704 876 5465 | ALT. PHONE 704 657 3833

SITE DIRECTIONS: HWY 115 N → (L) Coolbrook Rd → on (L) | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: — | SECTION: — | LOT # — | LOT AREA: 12 | DESIGN FLOW: 480 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.3

Septic Tank EXISTING (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 3 + 2 new Linear Ft EXT + 200

Trench Width 36 *Max. Trench Depth(Initial) 30 *Max. Trench Depth(Repair) 30 Gravel Depth —

* Measured on the downhill side of the trench

Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☐ New System ☐ Repair ☒ Expansion System Type: I II (III) IV V VI

System Description: EXISTING + Gravity 25% Reduction

Repair System Description: Gravity 25% Reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): 48

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees —

☐ Slab ☒ Crawl Space

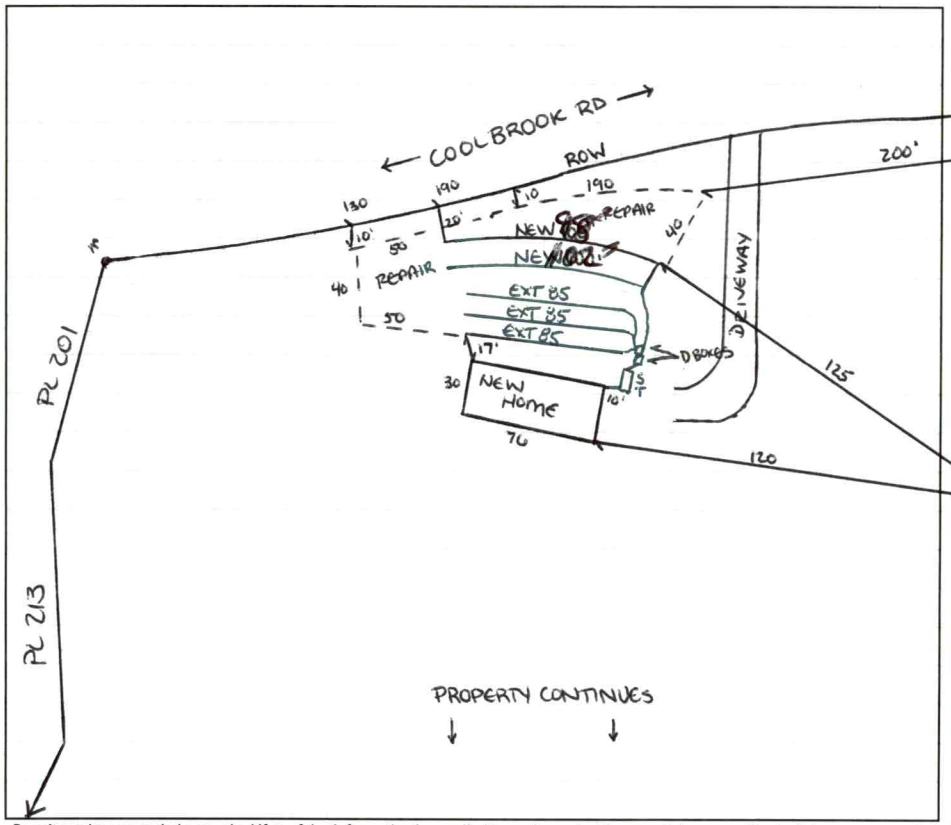
☐ Basement w/plumbing ☐ Basement w/o plumbing

Usable Depth to LC (Repair): 48 *Limiting Condition*

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour 9' on center. Set two D boxes in series to feed equally. Reccommends pre-construction meeting 704 902 4481.

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.

Installed Quick4 as drawn

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 Date: —

IMPROVEMENT PERMIT by: Sarah Williams Date: 7/1/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 7/1/2024

Installed by: Abee Grading

OPERATION PERMIT by: [signature] Date: 08/23/24

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? _____	

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

PROPERTY ID #: [illegible]
COUNTY: Iredell
→ 4812-27-6268

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

(Complete all fields in full)

OWNER: DAVID BOYLES / REPRISE CONSTRUCTION DATE EVALUATED: 6/27/2024
ADDRESS: 214 Farmwood Dr Statesville NC 28625
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 12.001 AC
LOCATION OF SITE: 527 Coolbrook Rd Union Grove NC 28689 PROPERTY RECORDED: Y
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other _____ WATER SUPPLY SETBACK: 50'
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	LS 12%	0-12	~~SEE~~ DIST	~~SEE~~ FILL	few SAP incl in CL	49		—	S 0.3	6"
		12-28	C ABK	SS SP SE FR						
		28-49	CL ABK	SS SP SE FR						
2	LS 15%	0-11	FILL DIST	—	few SAP incl in CL	49		—	S 0.3	6"
		11-29	C ABK	SS SP SE FR						
		29-49	CL ABK	SS SP SE FR						
3	LS 14%	0-10	FILL DIST	—	few SAP incl in CL	55		—	S 0.3	6"
		10-35	C ABK	SS SP SE FR						
		35-55	CL ABK	SS SP SE FR						
4	LS 16%	0-7	FILL DIST	—	few SAP incl in CL	50		—	S 0.3	6"
		7-30	C ABK	SS SP SE FR						
		30-50	CL ABK	SS SP SE FR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	200'+EXT	200'
System Type(s)	Gravity 25%	Gravity 25%
Site LTAR	0.3	0.3
Maximum Trench Depth	30"	30"

SITE CLASSIFICATION (.0509): S 0.3
EVALUATED BY: S. Williams
OTHER(S) PRESENT: —

Comments: _____

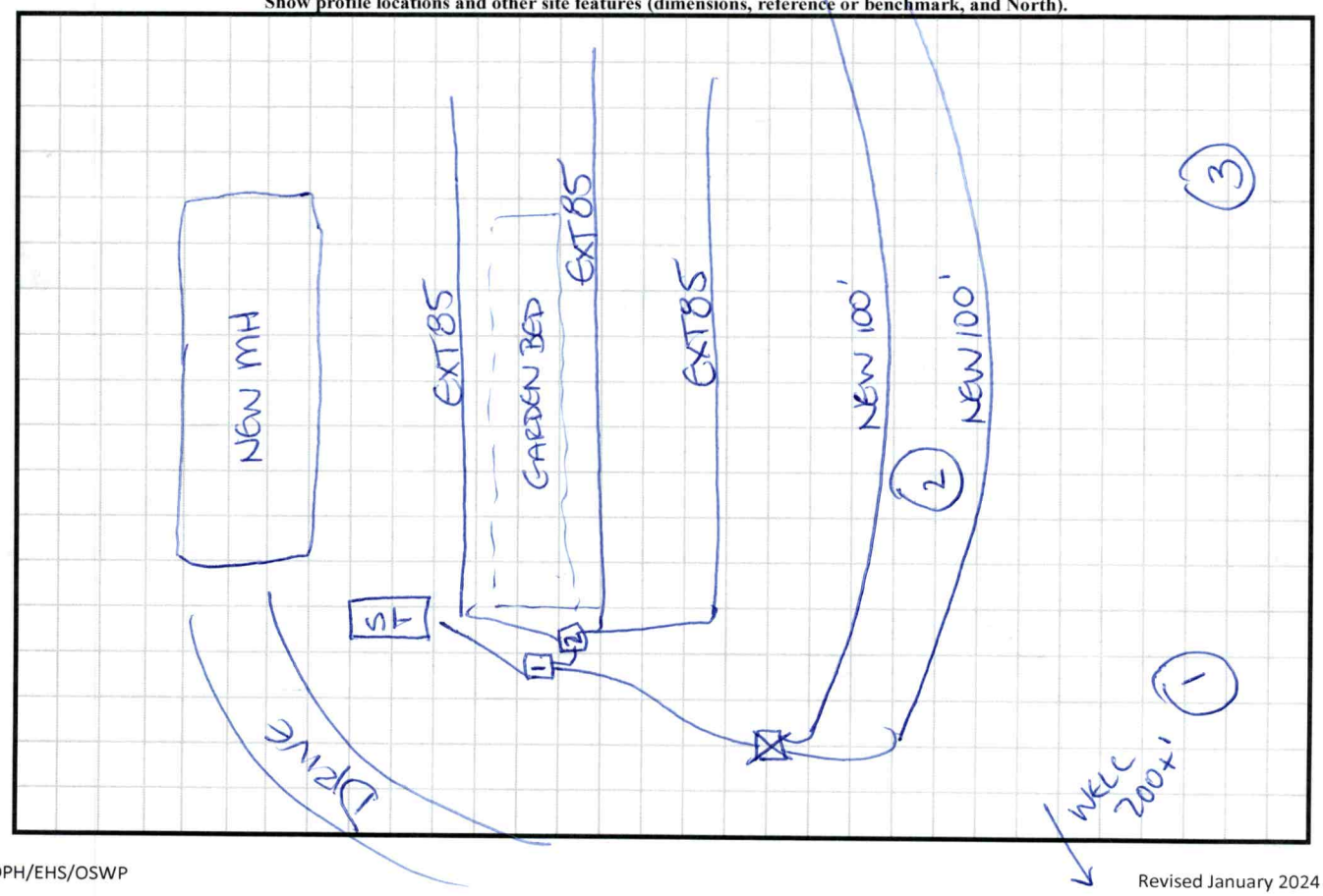
LEGEND

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).



PERMIT SNAPSHOT REPORT OSWP-2024-53038 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	05/07/2024
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:**	Bracken, Sarah	**Approval Expire Date:**	

Description: Installing a used 4 bedroom double wide manufactured home where the existing septic system is a 2 bedroom. So we want to expand the existing system to accommodate a 4 bedroom home.

Waiting on survey to get finish marking for visit 5/13/24 -BM

Parcel:	4812276268.000 Main	**Address:**	547 Coolbrook Rd Union Grove, NC 28689 Main	**Zone:**	RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
David Boyles	REPRISE CONSTRUCTION SERVICES LLC
Home: (704) 657-3833	214 Farmwood Drive 214
Business: (704) 657-3833	FARMWOOD DR
Mobile: (704) 657-3833	STATESVILLE, NC 28625
	Business: (704) 876-5465

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Existing System Inspection, Expand septic to add bedrooms, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	28 feet 6 inches wide x 76' long
What are the proposed structures	Manufactured Home, New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	8	Foundation Type	Crawl Space Foundation
Water Supply	Existing Well	Desired Septic System Type	Conventional (most common)	Has this project been approved by TRC	No
Lot Acreage	12	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	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	REQUIREMENTS FOR AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances;

Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_BEN_Bryan_5/7/2024.jpg	05/07/2024 18:34	Bryan, BEN		Uploaded via CSS
547 FLOOR PLAN_v1.pdf	05/09/2024 9:15	Bryan, BEN	Available Online	
DOC TO AUTHORIZE AN OWNER_new_new_v1.pdf	05/09/2024 9:15	Bryan, BEN	Available Online	
Septic and Well Application_new_v1.pdf	05/09/2024 9:15	Bryan, BEN	Available Online	
Site Plan_v1.pdf	05/09/2024 12:18	Bryan, BEN	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-225789	Requested	OSWP Septic/Well Preliminary Site Visit	06/25/2024	06/26/2024 0:00	06/26/2024 0:00		

Inspectors: Bracken, Sarah (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. called customer for a follow up. I'm now waiting on a return phone call to confirm that I can come out and check property lines and house box.	Peter Mravetz	06/19/2024 15:44
2. customer called me back to confirm property lines and house box is marked.	Peter Mravetz	06/24/2024 11:42

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00030697	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-00030697	$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		05/09/2024 12:19	05/09/2024 12:21
Confirm application complete v.1	Generic Action		05/09/2024 12:21
Fees v.1		05/09/2024 12:19	05/10/2024 11:16
Issue Invoice v.1	Generic Action		05/09/2024 12:21
Fees Paid v.1	Generic Action		05/10/2024 11:16
Zoning Review v.1		05/09/2024 12:19	05/10/2024 12:10
~~Floodplain Admin Overview v.1~~	Task		05/09/2024 12:21



C-1 SITE PLAN

REPRISE CONSTRUCTION SERVICES
214 FARMWOOD DR
STATESVILLE NC 28625
Contact: BEN BRYAN
704-902-4235
ben@repriseconstruction.com

NORTH

PROJECT SUMMARY

PROJECT NUMBER

PROJECT NAME
547CoolbrookRd
-30x76-
RandyBoyles
-UnionGrv28689-
IreCo

PROJECT ADDRESS
547 Coolbrook Rd
Union Grove, NC 28689

PIN
4812276268.000

DATE
May 7, 2024

REVISIONS

547 COOLBROOK RD

TITLE
SITE PLAN

SHEET
C1

1) 12
28
49

2) 11
29
49

3) 10
35
55

4) 7
30
50



Tax Map Information

• PIN	4812375726,000
• Address	528 COOLBROOK RD
• Account #	Acct 80066359
• Tax Owner	JORDAN SCOTT WILLIAM
• Mailing Address	1636 SPEER BRIDGE RD
•	YADKINVILLE, NC 27055
• GIS Owner	JORDAN SCOTT W
• Deed Info	2646 / 1930 - WD - 20190925
• Tax Acres	5.016 AC
• Lot #	
• Description	JORDAN SR1595
• Zoning	RA
• Old Parcel #	0415D00000A007
• Bldg Value	$210,350
• OBXF Value	$5,240
• Land Value	$47,050
• Total Value	$262,640
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

IREDELL COUNTY, NC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 05/22/2024
Data updated 03/18/2024

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.