

Your Department Letterhead Here

File/Permit Number: CDP# 454695

IMPROVEMENT PERMIT

County: Mitchell

PIN/Lot Identifier: _____

Owner: Charles Murphy Applicant: Charles Murphy

Property Location: Pebble Ridge

Subdivision (if applicable) Shadowood Lot #: H Block: _____ Section: _____

New Expansion System Relocation Change of Use

Facility Type: Single Family Residence

Number of bedrooms: 3 Number of Occupants: 4 Other: _____

Design Wastewater Strength: Domestic High Strength Industrial Process Wastewater

Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): 0.5 Proposed LTAR (Repair): 0.5

Proposed Wastewater System Type*: 10" LDP III (Initial) Pump Required: Yes No May be required

Proposed Wastewater System Type*: 10" LDP III (Repair) Pump Required: Yes No May be required

*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

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

Saprolite System (Initial): Yes No Saprolite System (Repair): Yes No

Fill System (Initial): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Depth to LC (Initial)*: 28" Usable Depth to LC (Repair)*: 24" * Limiting Condition

Max. Trench Depth (Initial)*: 12" Max. Trench Depth (Repair)*: 8" * Measured on the downhill side of the trench

Artificial Drainage Required: Yes No If yes, please specify details: _____

Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other: _____

Drainfield location meets requirements of Rule .0508: Yes No Drainfield location meets requirements of Rule .0601: Yes No

Permit valid for: Five years [site plan submitted pursuant to GS 130A-334(13a)] No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:
- Locate Driveway
- Bring in Cover for Initial System (inches)
- Well, once permitted, needs to be away from system

Authorized Agent's Printed Name: Peyton Greere Expiration Date: 10-17-29

Authorized Agent's Signature: [Signature] Date: 10-17-24

See attached site sketch

The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. **This permit is subject to revocation if the site plan, plat, or the intended use changes.** The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.

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SITE SKETCH

PIN _____

Permit Number _____

Charles Murphy
Applicant's Name

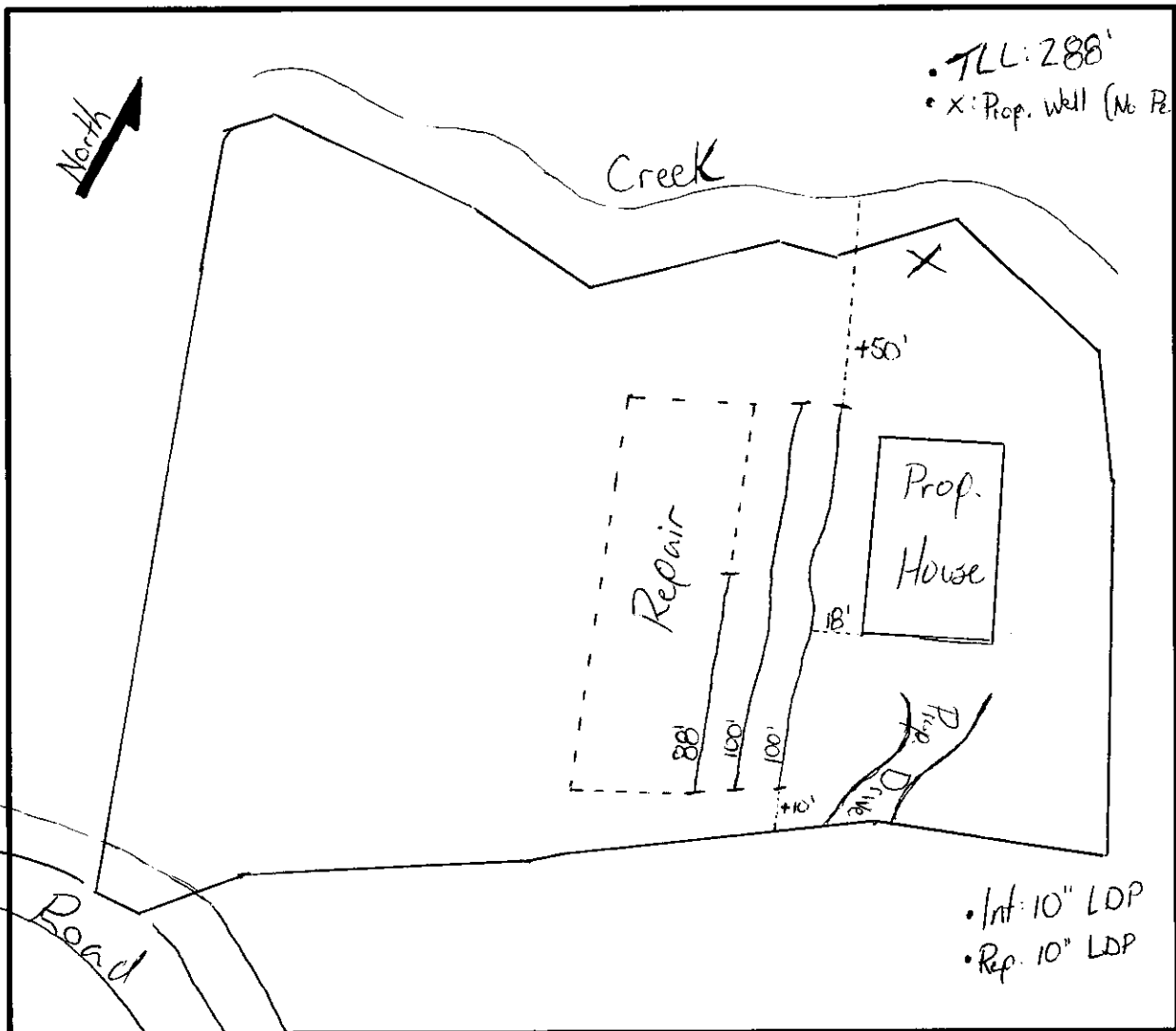
~~Shadowwood~~ Shadowwood Lot H
Subdivision/Section/Lot Number

Dwight Greene
Authorized State Agent

10-17-24
Date

System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale = Nts



LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft ²)	SAPROLITE LTAR (gpd/ft ²)	LPP LTAR (gpd/ft ²)	MINERALOGY/ CONSISTENCE		STRUCTURE
						MOIST	WET	
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		0.15 - 0.3	EFI (Extremely firm)	SP (Slightly plastic)
N (Nose slope)		SiCL (Silty clay loam)	P (Plastic)				VP (Very plastic)	
R (Ridge/summit)		Si (Silt)						
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 saporlite 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 saporlite 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).



