Site Address: 138 Rushing Water Ln - Troutman

5 1/2 TETHER NEED # OF PAVERS

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

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

PERMIT# 141347 PIN# 4730-45-7392 36.5152

OWNER OR APPLICANT Summerwood Homes DATE 5-21-07

ADDRESS 173 WEST MAGNOLIA RD MOORESVILLE, NC 28117 PHONE: Business 704 507-1245 Home

LOCATION 21 SOUTH (R) Perth (R) State Park (L) ~~Rushing~~ Rushing WATER on Rt BH Creek

SUBDIVISION Twin Creeks BLOCK / SECTION 1 LOT 6/16A LOT AREA 1.574 ±45AC SITE CLASS. PS DESIGN FLOW 480 L.T.A.R. .3

Septic Tank: 1000 Gallons; STB 1017 Date 5-4-07

Pump Tank: 1000 Gallons; PT 17 Date 4-4-07

Pump Make: Model Serial No. LO77545

Nitrification Field: No Fields 1 Square Feet 1600' Linear Feet 270'

No Lines 2 split Trench Width 24" Max Trench Bottom Depth 36" Gravel Depth N/A ☐ Gravity ☑ Pressure

☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: LOW Pressure 50'/1

Repair System Description: SAME

Maintenance Agreement Required: ☑ Yes ☐ No

☑ House/Mod. Home No. Bedrooms 4

☐ Mobile Home No. Persons 8

☐ Business No. Employees

☐ Other

Water Supply: ☐ Individual ☑ Public ☐ Community

☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

Comments:/Conditions: (1) See OFFSITE PLANS That ARE ATTACHED

Comments:/Conditions: TWEETED F. H. JARRELL

INITIAL SITE SKETCH

SEE ATTACHED OFFSITE PLAN DESIGNED BY LORUE COOK R.S.

Offsite septic is on part of Lot #11 - P/N# 4730-45-0358

AS BUILT SKETCH

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. Improvement Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Permit with plat valid without expiration ☐ Improvement Permit with site plan valid for sixty months ☑

Signed: date 5-21-07

Improvement Permit by: date 5-21-07

Authorization to Construct by: date 5-21-07

Installed by: Steve Jordan

Operation Permit by: date 12-19-07

Existing System Inspection by: date

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK

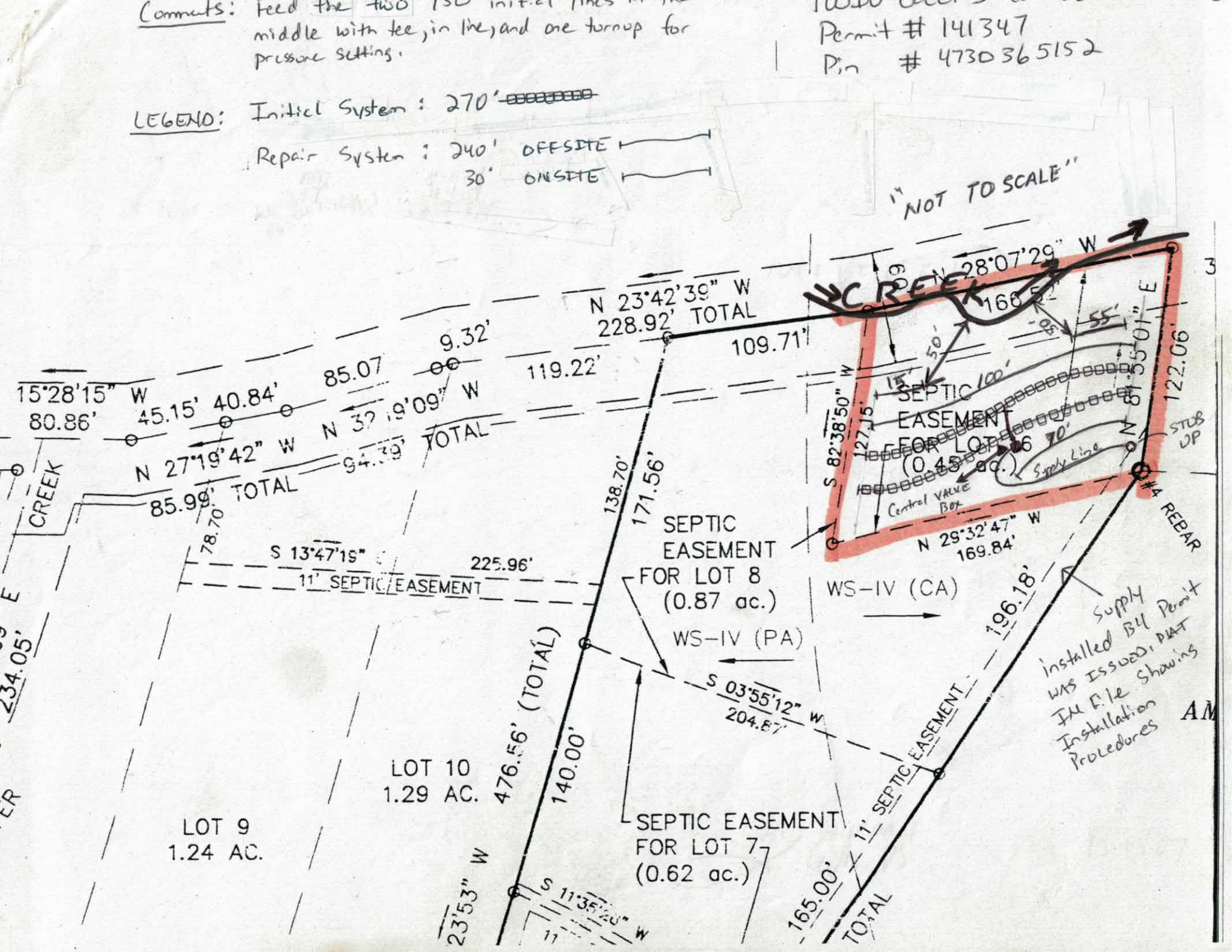
Comments: Feed the two 150 initial lines in the middle with tee, in line, and one turnup for pressure setting.

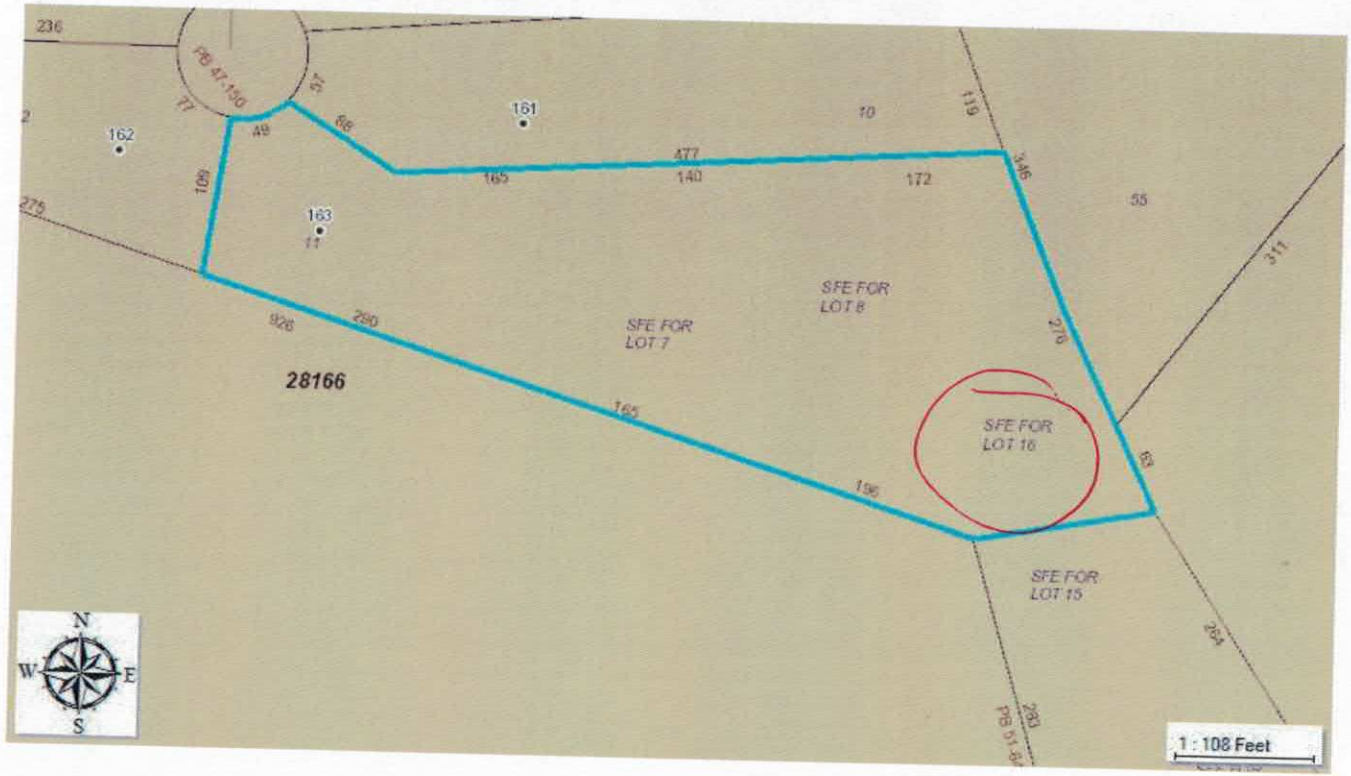
Permit # 141347
Pin # 4730365152

LEGEND: Initial System : 270' ▭▭▭▭▭▭▭▭

Repair System : 240' OFFSITE ⟶

30' ONSITE ⟶




236
PB 47-100
77
57
66
49
162
161
10
116
477
140
165
172
346
55
311
109
275
163
11
SFE FOR
LOT 8
SFE FOR
LOT 7
926
290
28166
165
276
SFE FOR
LOT 16
63
196
SFE FOR
LOT 15
264
283
PB 51-87
N
W
E
S
1 : 108 Feet

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: 141347
COUNTY: ____

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

Applicant

OWNER: Sommerwood Homes
ADDRESS: 173 West Mount Rd Mooresville NC 28117
PROPOSED FACILITY: 4BR HSE
LOCATION OF SITE: Twin Creeks lot 16
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE: 3-8-07
DATE EVALUATED: 5-10-07
PROPERTY SIZE: OFFSITE 1.45 AC
PROPERTY RECORDED: YES ON SITE 1.57

TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
ONSITE PIT 1	15% L	0-6	scl wk gr	fr nsp nps		20"			PS .4
		6-20"	cmd sbk	fr ss ps sp					
		20-96"	lom sg fr	ss ps sg					
OFFSITE AUGER 2	30% L	0-6	scl wk gr	fr nsp nps					PS .3
		6-18	cl wk sbk	fr ss ps sp					
		18-48	c md sbk	fr ss ps sp					
6	30% L	0-6	scl wk gr	fr nsp nps					PS .3
		6-48"	cmd sbk	fr ss ps sp					
4	30% L	0-2	scl wk gr	fr nsp nps					PS .3 LOWERED LTAR BECAUSE OF SLOPE & CLASS SLOPE POSITION
		2-24"	cmd sbk	fr ss ps sp					
3		24-48"	lom wk gr	fr ss ps sp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. Cook
OTHER(S) PRESENT: ____

COMMENTS: ROBAR ALSO GIVEN A .3 BECAUSE 15' OF REPORT IS BELOW HOLE #1 which IS CLAY .3 LTAR Hole

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None	**MOIST** VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	**WET** NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

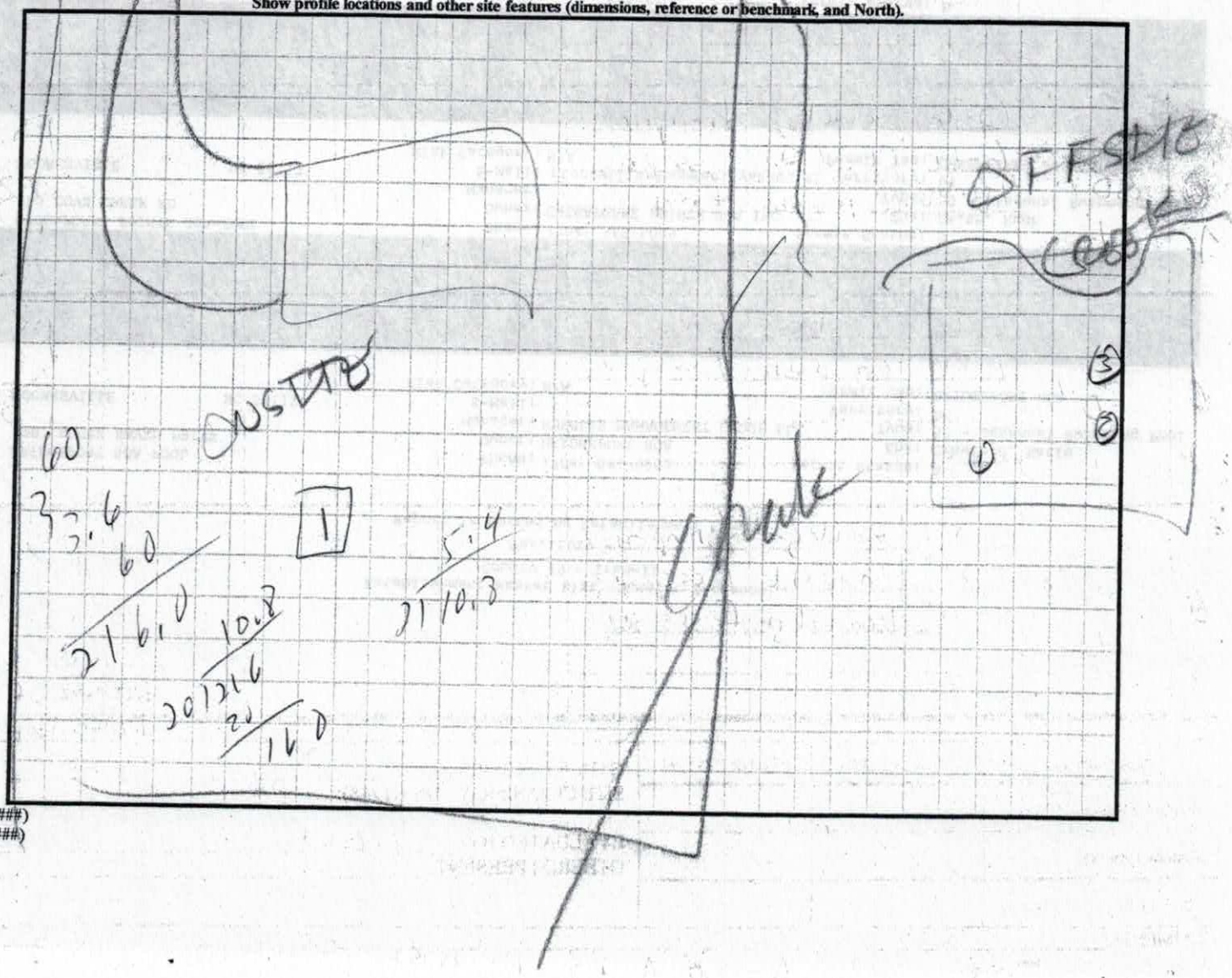
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



DENR (######)
Review (#####)

IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. **APPLICATION FOR:** ___ Improvement Permit ___ Authorization To Construct ✓ BOTH ___ Existing System Inspection

2. **Page 2: *Site Plan Worksheet* Form MUST Accompany This Application**
   The following optional attachments may also be submitted: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable ✓ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Applicant Name	Mailing Address	Home Phone	Work Phone
Summerwood Homes	1736 West Navarre Rd	704-799-8085	704-799-8085
Owner Name	Mailing Address	Home Phone	Work Phone
David Lentz	215 Crystal Circle	704-361-1084	
Ryan-West	Mooresville 28115		

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
138 Rushing Water Lane	Twin Creeks	Lot #16

Driving Directions: _____

****

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 4
Maximum Number of Occupants 8
If Expansion, Current Number of Bedrooms ___

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

****

6. **Proposed Water Supply:**

( ) New Well ( ) Existing Well ( ) Community Well (✓) City Water ( ) Other Public Water

****

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)*

( ) Alternative (✓) Conventional ( ) Innovative (✓) Modified Conventional ( ) Other_____ ( ) No Preference

****

8. **Please Answer The Following To The Best of Your Ability:**

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

****

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

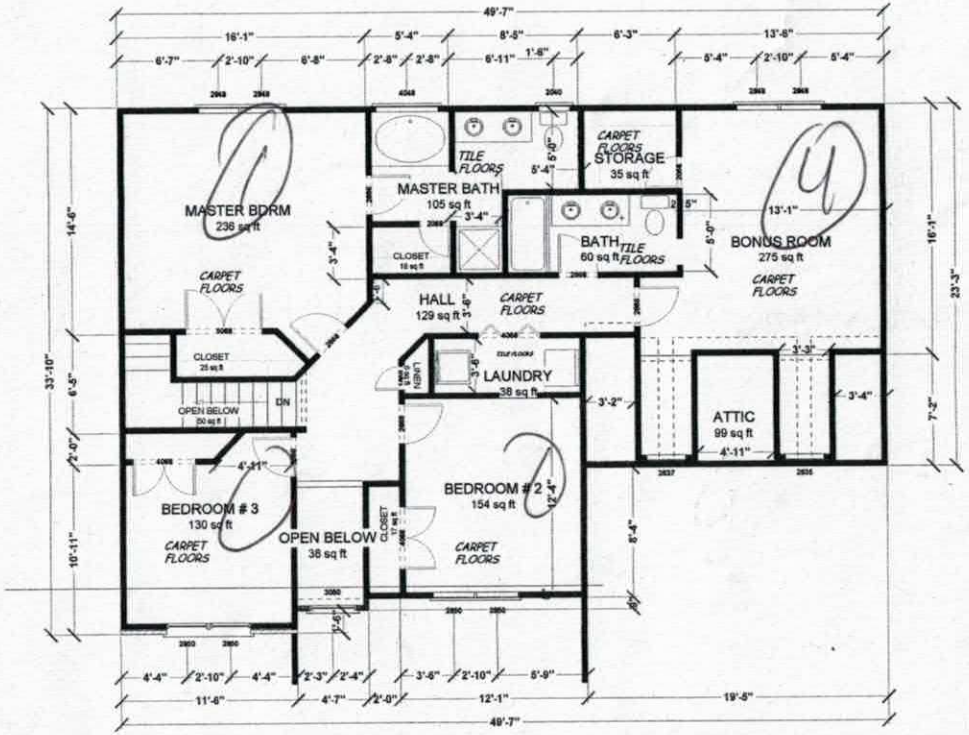
9. **Signature:** _____ 5-21-07
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Acknowledgement Of
Plans Submittal ONLY!

Date 5-21-07

Date 5-21-07

Approved 4 BEDROOM PLAN



6

David & Buffy Lentz

Lot #16 Twin Creeks
138 Rushing Water Ln
Troutman, NC 28166

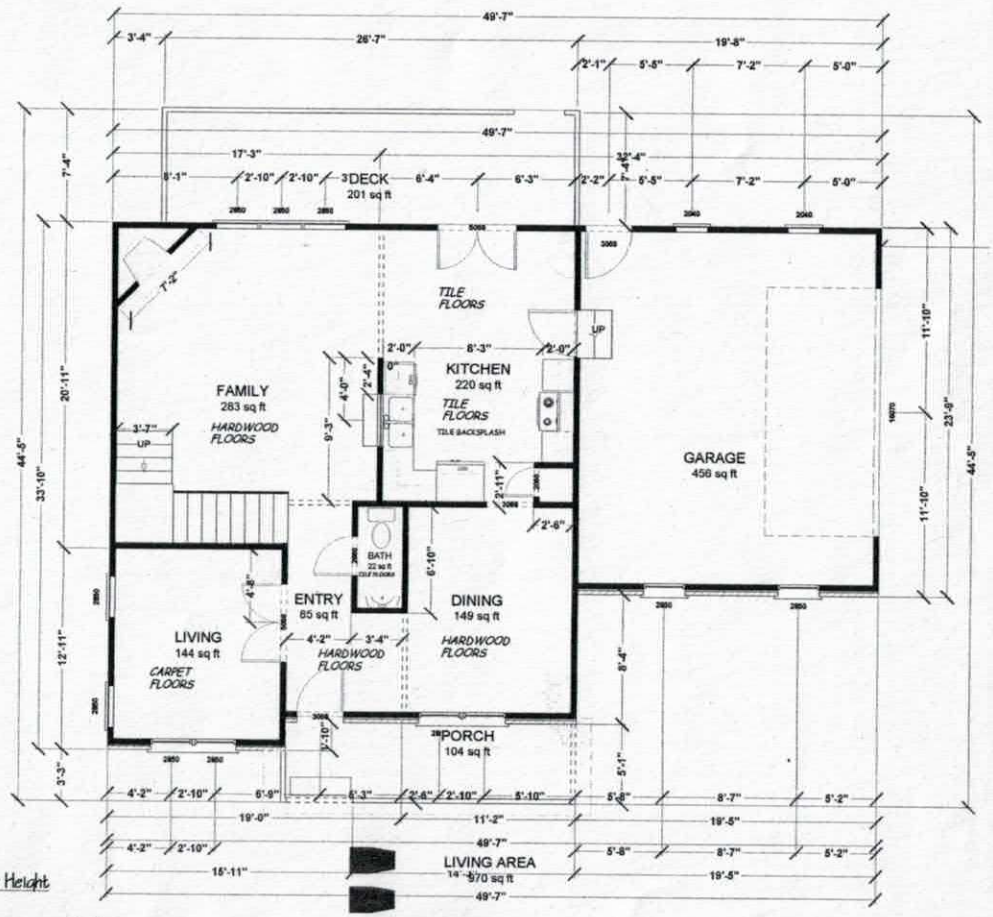
SummerWood Homes, LLC
173 West Maranta Road
Mooresville, NC 28117
704-799-8085
704-799-8068 fax

Ted Bay
CONTRACTOR

3/08/07
DATE

FRAMING PLAN NOTES

1. Wood Framing. All wood framing shall be fabricated and installed per code for wood construction. Unless noted otherwise the following minimum lumber grades shall be used:
a. Structural light framing size 2" to 4" thick x 2" to 4" wide - no. 2 or better.
b. Stud size 2" to 4" thick x 2" to 6" wide- stud grade.
c. Structural joists and planks size 2" to 4" thick x 2" to 4" wide standard or better.
d. Light framing size 2" to 4" thick x 2" to 4" wide standard or better.
2. Interior Stud Walls. All main floor walls to be AS MARKED ON THE PLANS. Interior walls shall be constructed of #2 S.Y.P. minimum 2 x 4 wood studs at 16" on center (OC). Provide single bottom plates and double top plates throughout.
3. Exterior Stud Walls. Walls shall be constructed of #2 S.Y.P. minimum 2 x 4 wood studs at 16" on center (OC) Provide single bottom plates and double top plates throughout. Provide R-11 3 1/2" batt insulation at all locations shown on plans. Exterior sheathing shall be 1/2" osb at corners of building & where required for shear walls. Exterior finish shall be AS SPECIFIED ON EXTERIOR ELEVATIONS
4. Sheathing. OSB sheathing shall be APA structural I, group 1 size and span rating as shown on the drawings. Nail with 8d nails at 6" on center along panel edges and 12" on center at immediate supports.
5. Pressure Treated Lumber. All wood members exposed to weather or in contact with wood masonry, concrete or soil shall be pressure treated.
6. Nailing Schedule. Except as noted otherwise, all wood framing components shall be fastened as specified in the southern building code, section 1705 and table 1705.1 fastening schedule. Contractor shall provide all fastening devices necessary and suited for each application. Fastenings subject to moisture shall be hot-dip galvanized to ASTM A-153-80. All metal connections and fabrications shall comply with AISC specifications.
7. Headers. Provide 2 - 2 x 10 #2 southern yellow pine with continuous 1/2" plywood flitch plate. Provide double jack supports for openings 6'-0" or greater unless noted otherwise. Provide 2-16d nails at 3" on center at all headers.
8. Beam Supports. Provide multiple stud and/or jack supports from bearing points to slab foundation under all wood headers or beams.
9. Columns. Construct structural wood frame columns with 2 x 4 studs and finish surfaces as specified. Finish interior columns according to finish schedule. Finish exterior columns as shown on elevations.
10. Cross Bridging. Place one row of cross bridging on all spans over 8'-0" and two rows of cross bridging on all spans over 16'-0".
11. Ceiling Joists. Trusses
12. Vaulted and Raised Ceilings. Provide ceiling treatment as shown.
13. Stud and Joist Integrity. Studs and joists shall not be cut to install plumbing and/or wiring without adding metal or wood side members to strengthen member back to original capacity and maintain structural integrity.
14. Joist and Rafter Bearing. Joists and rafters shall be cut to have horizontal contact for the full width of the supporting member.
15. Subfloor. Use 3/4" tongue and groove OSB subfloor to be installed with both nails and approved subfloor adhesive.



Window Height

1st floor rough opening = 92"

5'

WATER HEATER = 50 GALLON

INTERIOR DOORS = 6 PANEL
brushed nickel hinges and hardware

David & Buffy Lentz 5
Lot #16 Twin Creeks
138 Rushing Water Ln
Troutman, NC 28166

Summerwood Homes, LLC
173 West Maranta Road
Mooresville, NC 28117
704-799-8085
704-799-8068 fax

SUPERVISOR
Ted Bra
CONTRACTOR
3/08/07
DATE

Iredell County
Planning & Enforcement
227 S. Center St. PO Box 788
Statesville, NC 28687
704-878-3113

Zoning Permit

Permit Number: 141347ZO

Printed: 3/6/2007

Master #: 141347

Associated Permits:
141347ZO Zoning

Applicant

Name: Summerwood Homes, LLC
Address: 173 West Maranta Road
Mooresville, NC 28117
Phone: 704-799-8085

Parcel

Parcel Number: 4730365152.000
Address: 138 Rushing Water Ln.
Troutman, NC 28166
Subdivision: Twin Creek Estates PH2
Zoning: RA
Township: 1500
Area: 1.57
Lot(s): 16
Directions to Parcel: State Park Rd South, left on Rushing Water Ln, on the right

Owners

Name: RYON-WEST DEVELOPERS LLC
Address: 215 CRYSTAL CIRCLE
MOORESVILLE, NC 281150000

Contractors

Contractor Type: Building
Name: Summerwood Homes, LLC
Address: 173 West Maranta Road
Mooresville, NC 28117
Phone: 704-799-8085

Fees and Receipts:

Number	Description	Amount
FEE-146830-07	Zoning - Permit / Inspection	$45.00
FEE-146831-07	Environmental Health - Type I or II System	$350.00
	Total Fees:	**$395.00**