THIS PERMIT REPLACES PREVIOUSLY ISSUED PERMIT DATED 8-31-06

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 (CI) MOORESVILLE 704-664-5281

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

PERMIT# 136352 PIN# 4730465069

OWNER OR APPLICANT SUMMERWOOD HOMES DATE 10-11-06

ADDRESS 173 WEST MARINTA RD MOORESVILLE NC 28117 PHONE: Business 704-799-8085 Home

LOCATION STATE ROAD 1 TWIN CREEKS ON LEFT ON CORNER OF WINDING CREEK

SUBDIVISION TWIN CREEKS BLOCK / SECTION 2 LOT 50 LOT AREA 1.03 AC SITE CLASS. P3 DESIGN FLOW 360 L.T.A.R. .125

Septic Tank: 1000 Gallons; STB 1012 Date 10-20-06

Pump Tank: 1000 Gallons; PT 11 Date 8-12-07

Pump Make: Goulds Model WE03M Serial No. 6HB075864

Nitrification Field: No Fields 1 Square Feet ED=1440 Linear Feet 240'

No Lines 4 Trench Width 36" 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% REDUCT

Repair System Description:

Maintenance Agreement Required: ☒ Yes ☐ No

☒ House/Mod. Home ☐ Mobile Home ☐ Business ☐ Other

No. Bedrooms 3 No. Persons 6 No. Employees

Water Supply: ☐ Individual ☒ Public ☐ Community

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

Comments:/Conditions:

1 RUN SURFACE WATER DIVERSION DOWN P/L

2 MEET HEALTH DEPT BEFORE POSITIVE DRAINAGE CUTS ARE MADE. IF NOT PERMIT COULD BE VOIDED

3 INSTALL LINES ON CONTOURS & MAINTAIN SETBACKS;

INITIAL SITE SKETCH

1" = 30'

INSTALL SURFACE WATER DIVERSION

FILL

DRIVEWAY

HOUSE SITE STAKED BY SUBDIVISION TO SCALE SEE ATTACHED PLAT

CENTRAL VALVE BOX

35' 80'

TWIN CREEKS

#163

3' x 60'

2' x 60'

35'

25'

15'

15'

25'

3' CUT ENDING

10' POSITIVE DRAINAGE LOT

3' CUT NOW

DRIVEWAY

3620'

2' x 65'

2' x 75'

2' x 80'

2' x 40'

18'

18'

15' OFF

21' CUT

OFF

3' CUT

25'

25' REMOVE

AS BUILT SKETCH

4 CALL PRIOR TO INSTALLATION FOR PUMP SIZING & SYSTEM SPECS IF NECESSARY

5 SEPTIC LINES ARE 8' OFF HOME AS MARKED, BUILDER MET & CONFIRMED THIS IS ENOUGH ROOM FOR SIDE WALK & PLANTER.

6 SYSTEM IS MARKED OUT FOR SCALE, ANY CHANGES WILL VOID PERMIT

7 DO NOT CUT DITCH THRU REPAIR AREA.

System filter
Yellow tuf-tite
Risers on pump tank
Risers on septic tank to ground

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 Permit with plat valid without expiration date. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: date

Improvement Permit by: date 10-11-06

Authorization to Construct by: date 10-11-06

Installed by: Steve Jordan

Operation Permit by: date 6-7-7

Existing System Inspection by: date

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

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

Sheet ___ of ___
PROPERTY ID #: 136352
COUNTY: 473046 5069

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Summerwood Homes
ADDRESS: 73 W. Main St Apex NC 27502
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: Twin Creeks Lot 50
APPLICATION DATE: _____
DATE EVALUATED: _____
PROPERTY SIZE: 1.03
PROPERTY RECORDED: yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut
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
1	12" in 10"	0-15	scl wk sbk	fr sspl	10YR 6/4 @ 18-22"				PS .35
		15-48"	cnscl sbk/blk	fr sspl					
			slp inclusions CSD's		46-48"				
2	8" in 10'	0-15"	scl wk gr	fr nsp	10YR 6/4 @ 32-36"				PS .35
		15-48	cnscl sbk/blk	fr sspl					
			slp inclusions CSD's		46-48"				
3	40/0 2	0-6"	scl wk gr	fr nsp					.35 .35
		6-24	cnscl sbk	fr ssp sm					
		24-60"	SL cinclusions	wk gr fr ssp sm					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	yes	yes
System Type(s)	LPSD	LPSD
Site LTAR	.35	.35

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

COMMENTS: CSA's & EIA's BSS-88

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)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	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.

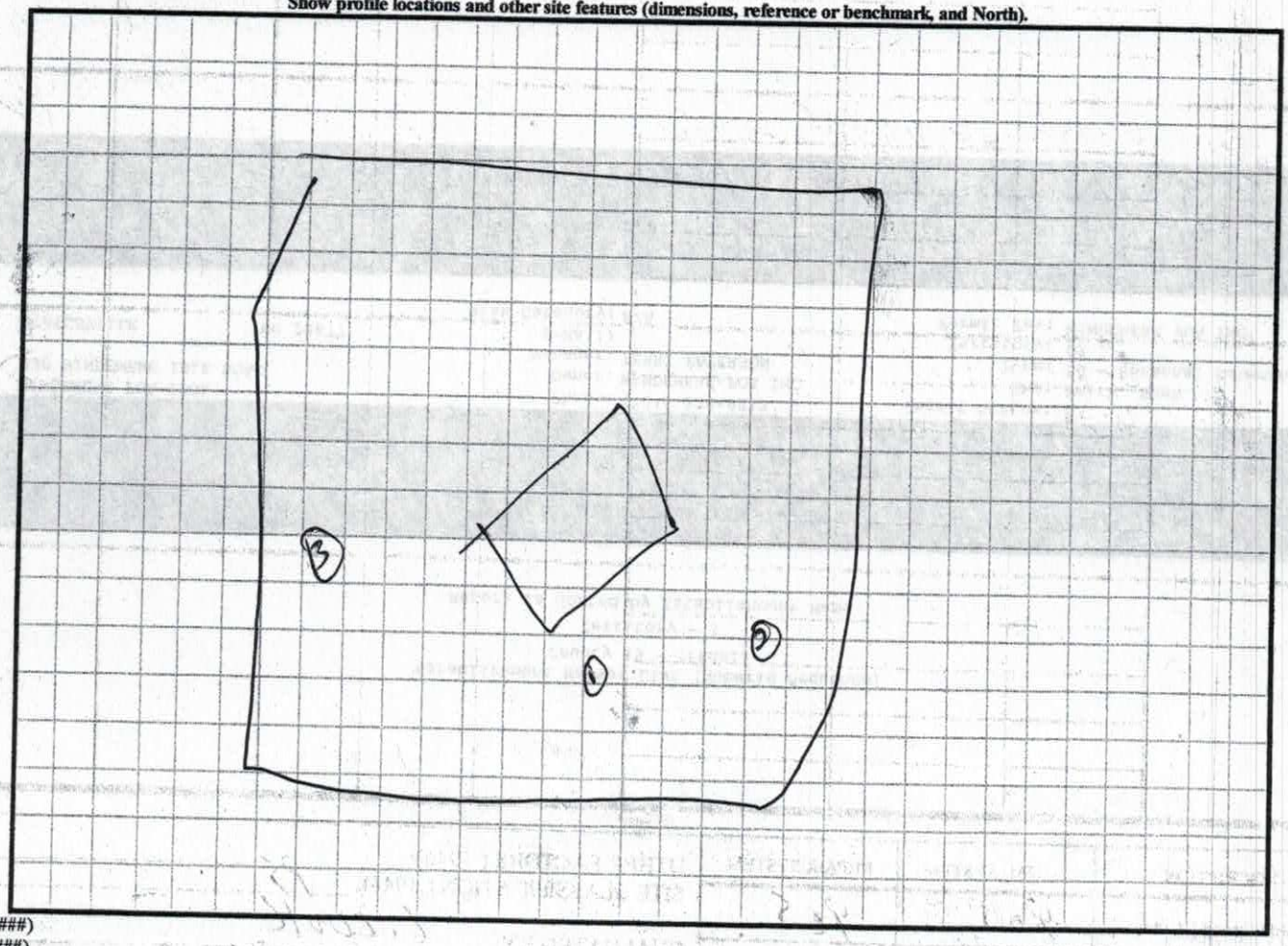
NOTES

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 (#####)

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

Sheet ___ of ___
PROPERTY ID #: 134352
COUNTY: 4730465069

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Addn'l

OWNER: Summerwood Homes
APPLICATION DATE: ___
ADDRESS: 173 West Roseneath Mocksville NC 27028
DATE EVALUATED: 10-10
PROPOSED FACILITY: 3 BR House
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 1.05
LOCATION OF SITE: Twin Creeks Lot 52
PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut
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
1	12', in 10' L	0-4"	scl wkgr	f nspnonsy	24-36" 10yr 6/8				.25
		4-15"	cl wkstk	f sspsbk					
		15-48"	cl sbk 35%	f sspsbk					
2	4% L	0-4"	scl wkgr	f nspnonsy		(NEW)			B
		4-10"	cl wkstk	f sspsbk					
		10-24"	cl sbk	f sspsbk					
		24-48"	sil sbk	f nspnonsy					
3	PITS 4% L	0-6	scl wkgr	f nspnonsy					.25
		6-24"	cl sbk 35%	f sspsbk					
		24-40	cl wkstk	f sspsbk					
		40-65	loamy sap	f nspnonsy					
4	PITS 2% L	0-6							.25
		6-24	cl sbk	f sspsbk					
		24-65	loamy sap wkgr	f sspsbk					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	LPSD	LPSD
Site LTAR	.25	.25

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

COMMENTS: ___

LEGEND

use the following standard abbreviations

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

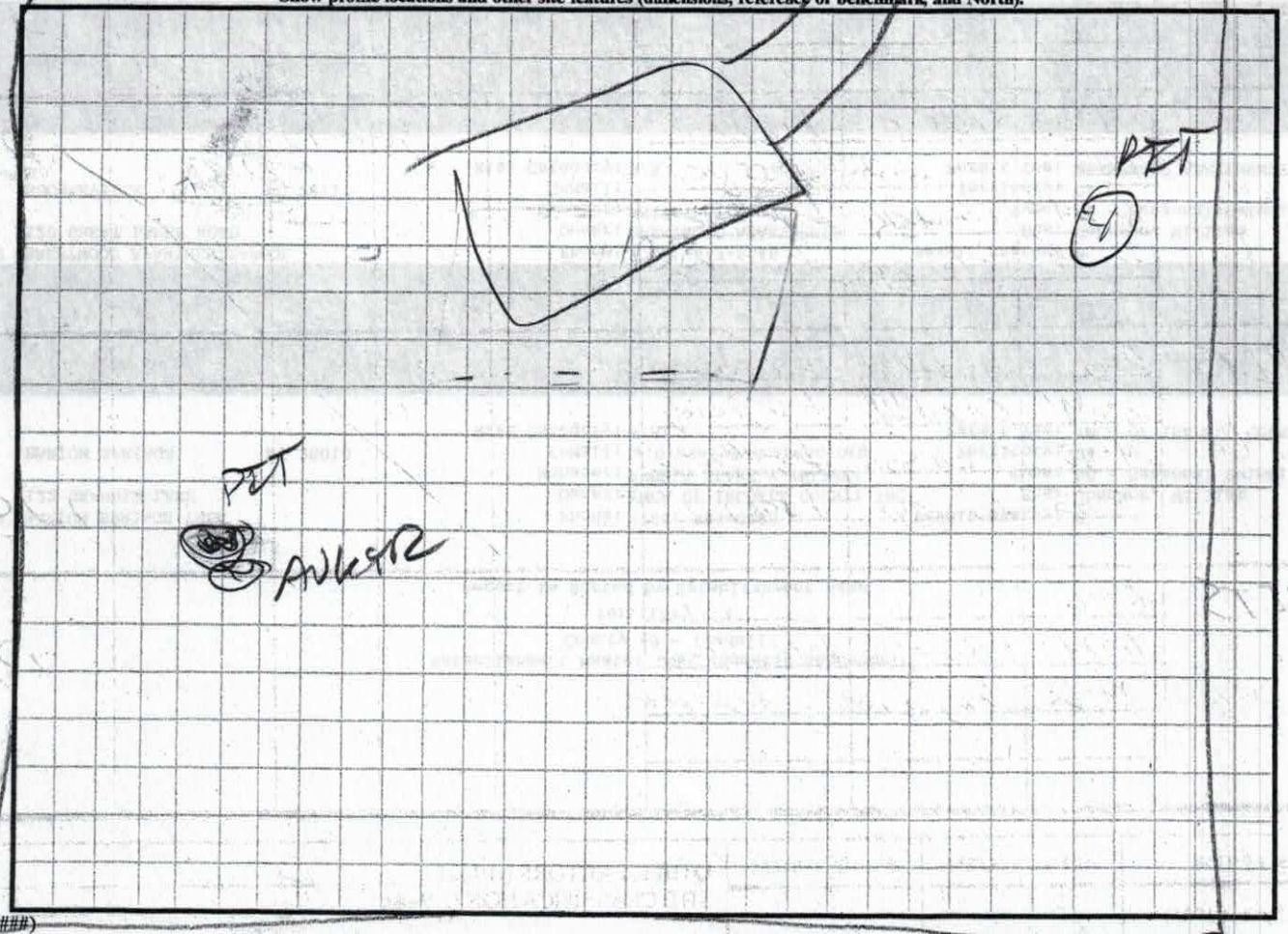
NOTES

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
Summerwoods	173 W Marantic Rd.	704-799-8085	

Owner Name	Mailing Address	Home Phone	Work Phone
Ted Braun	Same	704-799-8085	

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
163 Twin Creek Dr	Twin Creeks	50

Driving Directions: Rt on Porter Right on State Park Left on Twin Creek House on Left corner lot

****

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 3
Maximum Number of Occupants ___
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:** Ted Braun
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

9-28-06
DATE

50

IREDELL COUNTY HEATLH DEPARTMENT

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE SAMPLE SITE PLAN BELOW. INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!

Place an (X) beside each item as you complete the site plan:

- ___ Property Line measurements are clearly identified…
- X All proposed structures are indicated…
  SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
- X Front and side setbacks from property line…
- X Preferred driveway location and configuration, preferred well location…
- X Area you prefer your septic system to be placed…
- ___ North arrow, or other sufficient indicator of direction…

Circle N/A on the following if appropriate:

- ___ Location of septic systems and wells within 100' of your property… N/A
- ___ Location of easements and rights of ways on your property… N/A
- ___ Location of any designated wetlands on the property… N/A

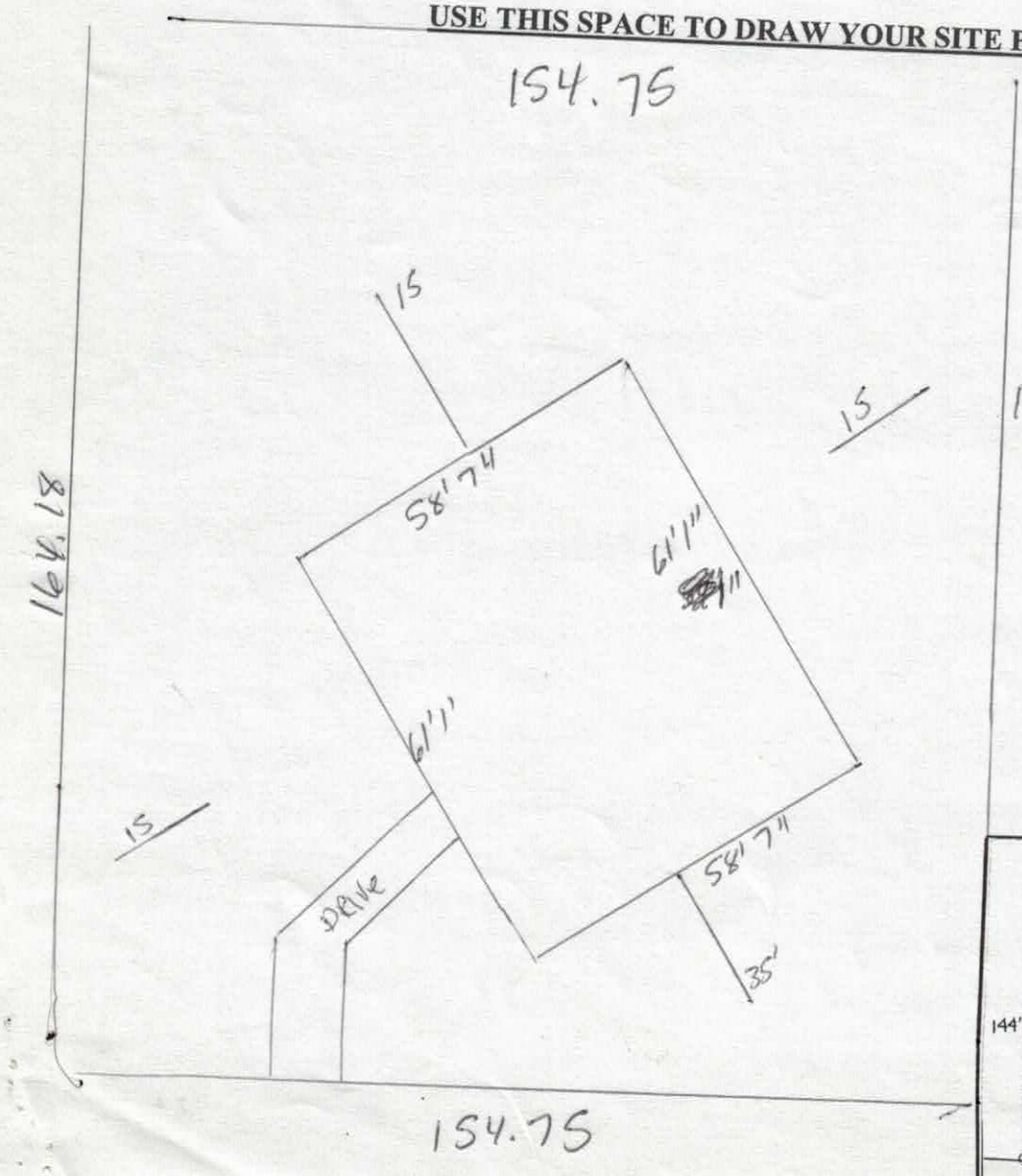
Signature: [signature]

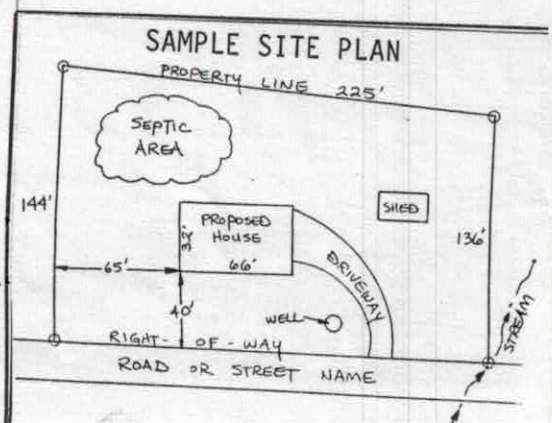
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

8-8-06

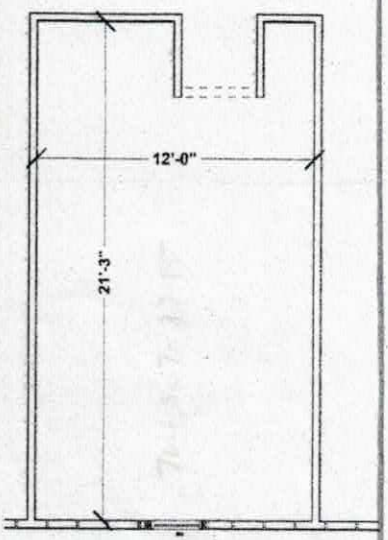
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN

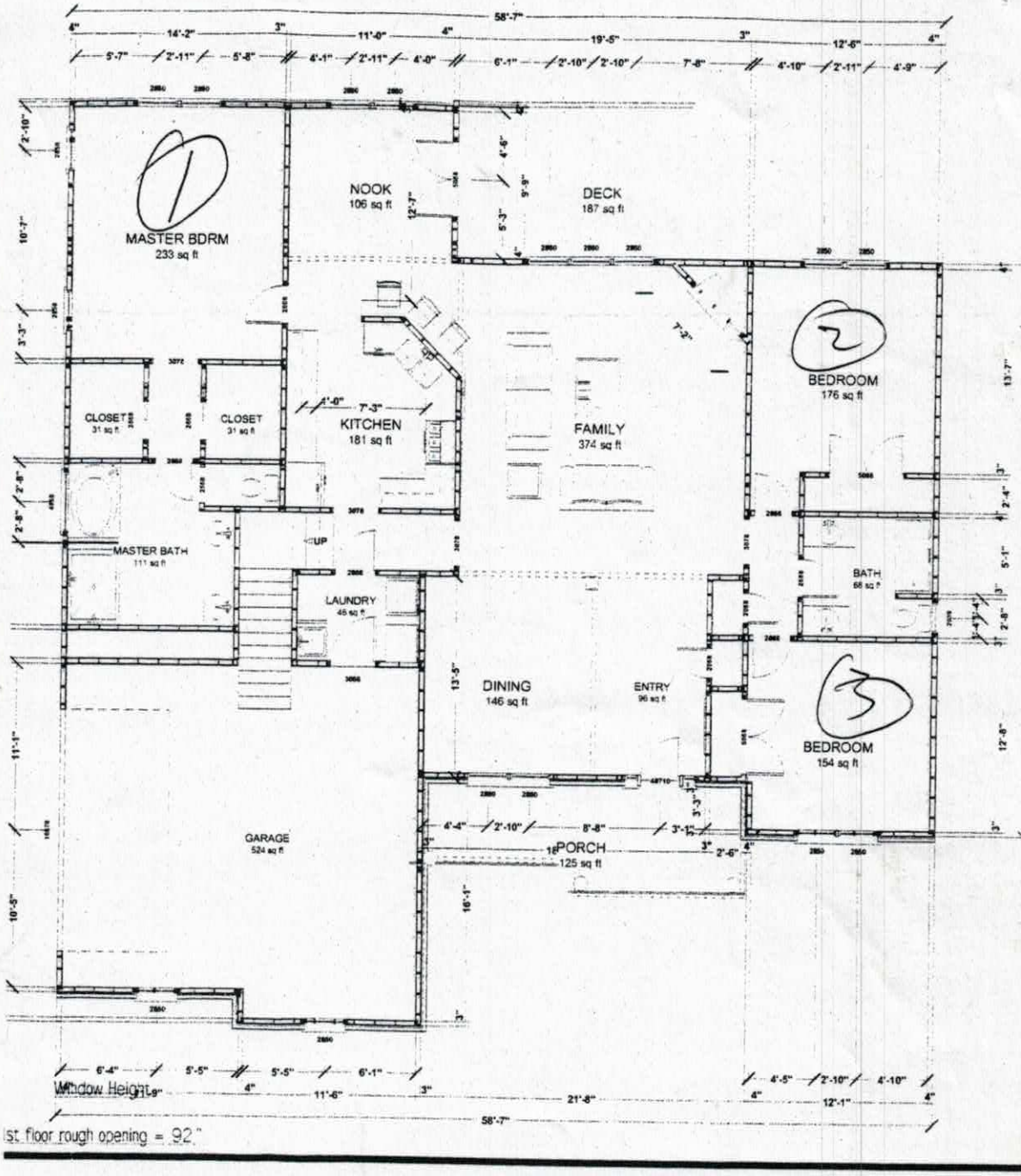




NO ACCESS TO FULL BATH



Bonus Room 225 square feet



Acknowledgement Of
Plans Submittal ONLY!

Date 8-25-06

Date 8-31-06

LOT 50

Iredell County
ZONING PERMIT Grading

227 South Center St. PO Box 788 Statesville, NC 28687 Phone 704-878-3118

Call Sanitarian between 8 a.m. & 9 a.m. Statesville 704-878-5305 Mooresville 704-664-5281

Permit #:	136352ZO	Subdivision:	Twin Creek Estates PH 1
Proposed Use:	Single Family	Township:	1500 Fallstown
Location of Property:	163 TWIN CREEK DR Troutman NC 28166		
Parcel #:	4730465069.000	Zoning:	Ra
Lot #:	50 Size: 1.03	Flood Plain:	No Watershed: WSIV-PA
Applicant:	Summerwood Homes, LLC	Owner:	RYON-WEST DEVELOPERS LLC
Address:	173 West Maranta Road Mooresville NC 28117	Address:	215 CRYSTAL CIRCLE MOORESVILLE, NC 281150000
Phone:	704-799-8085	Phone:	
Property Recorded:	Yes Site Plan Reviewed:	Community Water:	No Community Sewer:

If permitted the following minimum requirements must be met, unless Health Department requires more land area, or other qualifications are indicated in the comments.

Min. Lot Area: 21780	Min. Front Yard: 35 ft	Min. Left Side Yard: 15 ft
Min. Lot Width: 100	Min: Rear Yard: 35 ft	Min: Right Side Yard: 25 ft
Min. Number Parking Spaces:		Max. Built Upon Area:

Comments:

Directions:

Hwy 21 south, right Perth, right State Park, left Twin Creeks Dr, property on left on the corner of Twin Creeks Dr and Winding Creek Dr

FEES

Zoning Permit/Inspection Fee	☑	$45.00
Site Plan Review Fee	☐	$0.00
Environmental Health New System	☑	$350.00
Environmental Health Existing System	☐	$0.00
Total Fees:		$395.00

I certify that all statements made in this application and any attached documents are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that false information may be grounds for rejection of this application. Authorized Health Department and Planning & Enforcement Representatives are granted right of entry to make evaluations or inspections and to release information upon public request.

Applicant:_____ Date: _____

A non-refundable fee of $45.00 is charged on all permit applications.

DEBBIE WILLIAMS

Printed: 6/8/2006