IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 234493

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

PIN # 4664-88-7947

APPLICANT/OWNER: Concept Homes LLC. | APPLICANT ADDRESS: 11220 Elm Ln. Ste #109 Charlotte, NC 28277

SITE ADDRESS: 164 Riverstone Dr. Davidson, NC 28036 | PHONE: 704-507-6327 | ALT. PHONE

SITE DIRECTIONS: Shearers Rd South → L on Anniston Way → R on Burnell → L on Walking Horse → L on Riverstone → on right | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Riverstone @ Anniston | SECTION: — | LOT # 16 | LOT AREA: 0.533 acres | DESIGN FLOW: 480 GPD | L.T.A.R.: 0.25

Septic Tank	1000	(gal)	STB	854	Date	12/20/19	☒ New System	☐ Repair	☐ Expansion	System Type: I II III (IV) V VI	
Pump Tank	1000	(gal)	PT	169	Date	1/20/2020	System Description:	LP-PPBPS (50% Reduction)			
Pump Make	Goulds	Model		WE0312M0	Serial #		Repair System Description:	LP-PPBPSC (50% Reduction)			
# Nitrification Fields	1	# Lines		5	Linear Ft	320	Maintenance Agreement Required:	☒ YES	☐ NO		
Trench Width	24"	Trench Bottom Depth(Low side)		33"	Gravel Depth	—		☐ GRAVITY	☒ PRESSURE		

☒ Residence	No. Bedrooms	4	Water Supply	
☐ Business	No. Persons	8	☒ Private	
☐ Other	No. Employees		☐ Public	
☒ Slab	☐ Crawl Space		☐ Community	
☐ Basement w/plumbing			☐ Basement w/o plumbing	

Comments / Conditions: Earthen Pad for slab foundation to terminate at foundation edge. See soil notes from previous approval (5/29/18). Foundation shall be situated with downspout house drains directing water away from septic area. 73 panels to be used. Recommend setting control floats to dose system 180 gallons per pumping event.

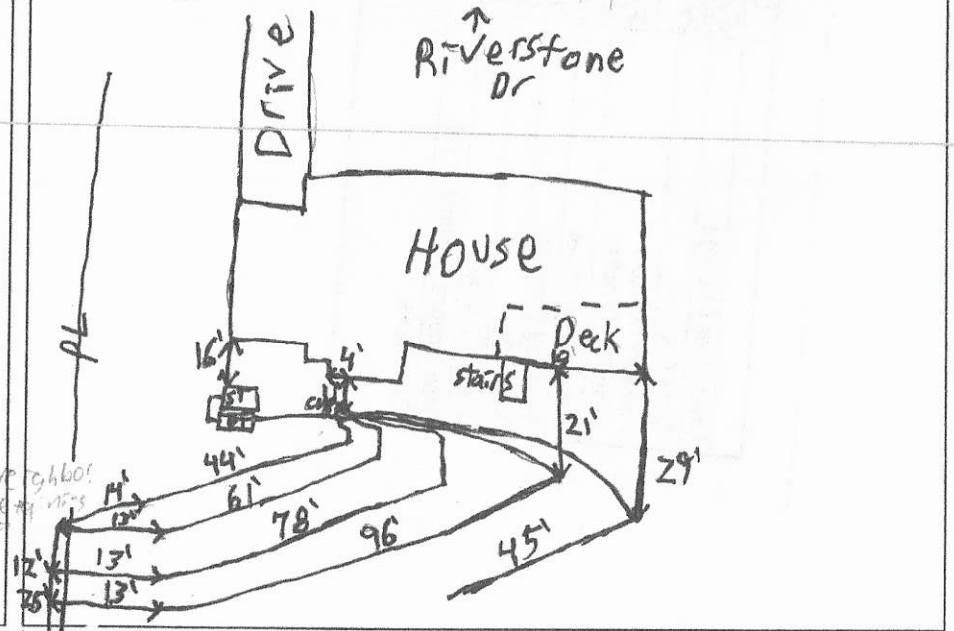
INITIAL SITE SKETCH

See attached drawing/plan from Carolina Soil + Septic Consulting

Dated 4/2/2019 Adrian Price # LSS #1314

AS BUILT SKETCH

5/12/2020: Drainlines, Tanks, Floats, and alarm were all checked and good. Pressure set. Neighbors have installed new retaining wall as of 5/12/2020 no foundation drain was observed and cut was less than 2'.



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**

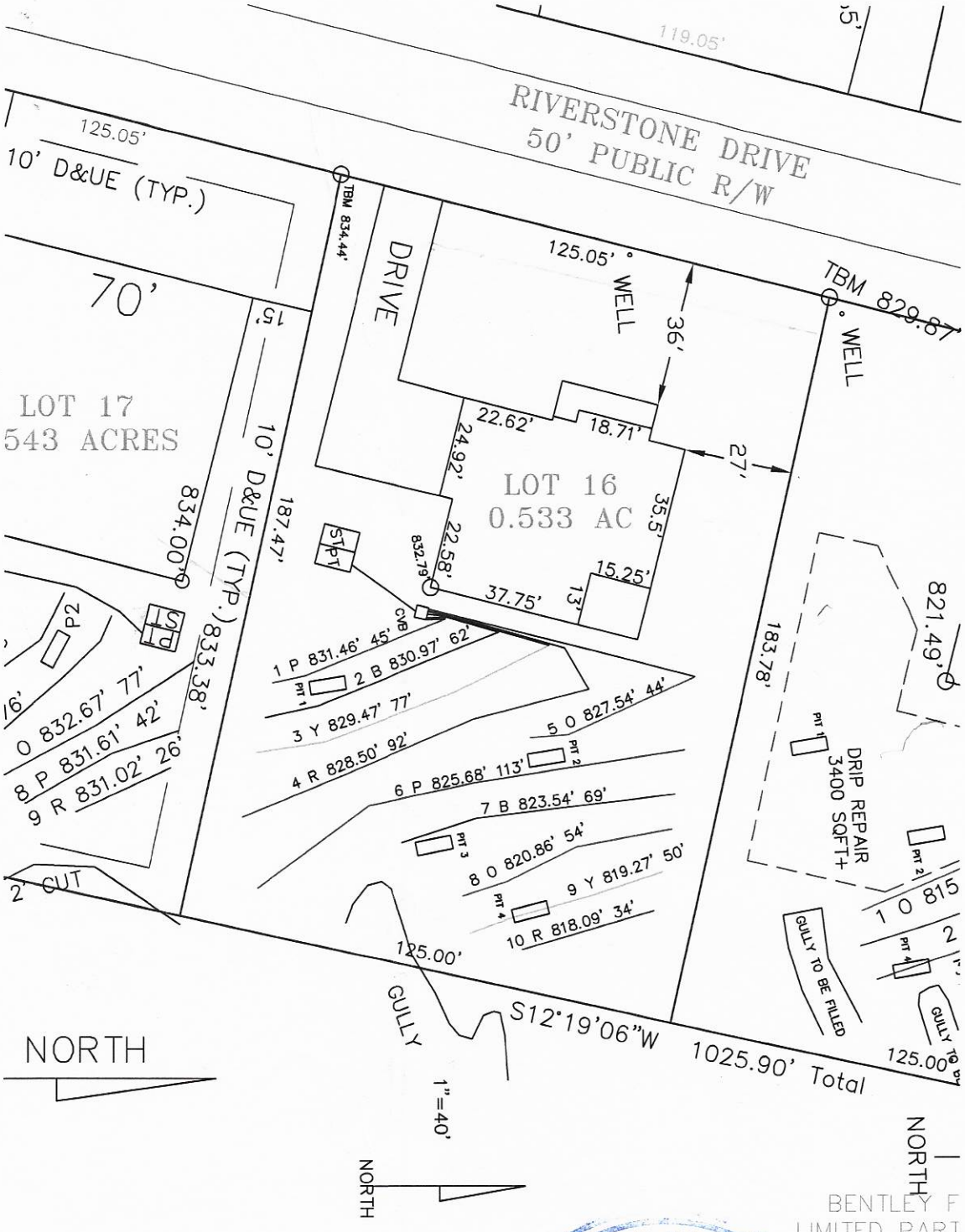
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: _____ Date: 9/9/19 Installed by: A1 Backhoe

IMPROVEMENT PERMIT by: Tom Shuck Date: 4/11/2019 OPERATION PERMIT by: _____ Date: 9-10-2020

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 4/11/2019 Existing System Inspected by: _____ Date: _____

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.



APPROVED APR 11 2019

BENTLEY F
LIMITED PART
DEED BOOK
PAGE 8

LICENSED SOIL SCIENTIST
ADRIAN L. PRUETT
1314
STATE OF NORTH CAROLINA

Carolina Soil & Septic Consulting, PLLC

P.O. Box 1703, Mooresville, NC 28115

Phone: (704) 202-5791 Email: adrianpruett@yahoo.com

NC Licensed Soil Scientist, SC Professional Soil Classifier,
Certified Septic System Operator, Licensed Septic Installer,
Certified Septic Inspector

Design proposal for a PPBPS Septic System with low pressure distribution for a 4 bedroom single family residence in RIVERSTONE AT ANNISTON LOT 16 Mooresville, Iredell County, North Carolina.

Contents: **Page**

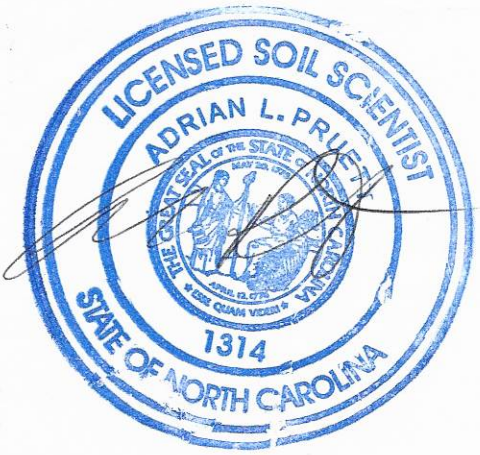
Installer Information---------- 1

Design Information
- Install Specifications---------- 2
- Field Layout Specifications---------- 3
- System Tapsheet---------- 4

Site Plan/System Plan---------- 5

Dosing Calculations---------- 6

Soil Profile Descriptions---------- 7



March 21, 2018
Job Number: 17076
Design By: BEN ALDRIDGE, REHS

INSTALLER INFORMATION:

- The permit should be read very carefully prior to submitting bid. The following are details that must be considered along with all other considerations.
- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- The installer is responsible for final grades and returning that grade to original, with exception of added structural features.
- The supply trench shall be compacted to eliminate any cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom has no more than 1/4"fall in 10 feet with no high or low areas within. If high or low areas do exist after trench excavation, high areas should be removed rather than filling in low areas. Do not over excavate trenches! Any fine grading should be completed by hand with a rake and shovel, leaving no loose material.
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral to prevent unwanted lateral water movement.
- Elevations at pin flag locations should be checked by the installer prior to beginning trenches to insure accuracy.
- Design precludes use of foundation drains on the residence.
- Pump tank riser should be 6" above grade, control panel should be 12" above grade.
- If septic tank risers are used they should be a minimum of 6" above finished grade or within 6" of final grade if buried.
- Backfill minimum of 6" of material (County Approved) over panels, rake trench walls, lime side walls, install trenches 24" wide.
- **System is specified as a PPBPS with Low Pressure Distribution.**
- **Repair is specified as a PPBPS with Low Pressure Distribution.**
- **If grading for a slab occures, do not create a greater than 2 ft. cut within 15 ft. of any septic component. Do not back fill over any septic component.**

LOW PRESSURE PPBPS SYSTEM
INSTALL SPECIFICATIONS

Location RIVERSTONE AT ANNISTON LOT 16

Owner/Applicant Information

Owner: RUFUS ROAD PARTNERS LLC
Address: 11220 ELM LN. SUITE 107
CHARLOTTE, NC 28277
Client: JOE DORITY
Phone Number: 803-381-5921

Approved
5/29/18
MD

Source of Wastewater Flow: 4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 480
System Flow: 29.93

Design Specifications

Drainfield Size: 320
Required Drainfield Size: 320
Loading Rate (gpd/ft.^{2}): 0.25
Depth of Gravel in Trench: NA (PPBPS)
Gravel Size: NA (PPBPS)
Trench Depth: 33 in. LOWSIDE
Trench Width: 24 in.

Septic Tank Size: 1000
Pump Tank Size: 1000

Repair Trench Width: 24 in.
Repair Trench Depth: 34 in.

Estimated Supply Line Length: 25
Supply Line Diameter: 2 in. SCH 40 PVC
Supply Line Volume: 4.35
Dosing Volume: 262.80

Recommended Pump: Iredell County Approved Pump
Recommended Float Controls: Iredell County Approved Controls
Recommended Control Panel: Iredell County Approved Control Panel

Pressure Head: 2 ft.
Friction Head: 0.45
Elevation Head: 4.11
Total Dynamic Head: 7.87

Threaded Union: In Tank
Gate Valves: 1 in Tank
1 per lateral
Check Valves: In Tank
Anti-Siphon Hole: **YES**
Additional Comments: Soil suitability performed by Carolina Soil & Septic Consulting, PLLC

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

RIVERSTONE AT ANNISTON LOT 16
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 4 BEDROOM HOME

March 21, 2018

LINE #	FLAG COLOR	IH	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM				834.44		
INSTR. 1						
HOUSE CNR				832.79		
P. TANK				832.35		
1	***PINK***			***831.46***	*45*	*45*
2	***BLUE***			***830.97***	*62*	*62*
3	***YELLOW***			***829.47***	*77*	*77*
4	***RED***			***828.50***	*92*	*92*
5	***ORANGE***			***827.54***	*44*	*44*
6	PINK			825.68	113	113
7	BLUE			823.54	69	69
8	ORANGE			820.86	54	54
9	YELLOW			819.27	50	50
10	RED			818.09	34	34
				Total	**640**	**640**

Approved
5/29/18
MD

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
** System*	*320*	*MOD.*	*0.250*	*PPBPS*	*LOW PRESSURE*
Repair	320	MOD.	0.250	PPBPS	LOW PRESSURE

Notes:
** TBM located top of ground at front right corner of lot
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**IH, and FS indicate rod readings

Comments: **System must be installed as shown.**

Iredell County has permission from CS&SC to change tank and distribution device locations.

LOW PRESSURE PPBPS TAPSHEET
RIVERSTONE AT ANNISTON LOT 16
SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
1	*PINK*	*831.46*	*45*	0.156	**0.41**	135	10
2	*BLUE*	*830.97*	*62*	0.156	**0.41**	186	14
3	*YELLOW*	*829.47*	*77*	0.156	**0.41**	231	18
4	*RED*	*828.50*	*92*	0.156	**0.41**	276	21
5	*ORANGE*	*827.54*	*44*	0.156	**0.41**	132	10
							73
	total	**feet =**	**320**	**gal/min =**	**29.93**		
			Des. Flow	**360**			
			Pump Run=	**8.78**			
			soil LTAR	**0.25**			

.156 equals 5/32 inch hole

Approved
5/29/18
MS

DOSING CALCULATIONS

Location RIVERSTONE AT ANNISTON

Lot No: 16

Approved
5/29/18
MD

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.250	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	25	ft.
Supply Line Volume	4.35	gal.
Required Feet of Line	320	ft.
Amount of Line from Layout	320	ft.
Gallons per Minute	29.93	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Panel Volume	3.6	gal.
# of Panels	73	
Dosing Volume	262.80	gal.

Note: Dosing Volume based on 100% of # of panels times 3.6 gal/panel

Tank Draw Down	12.5	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	8.78	minutes
Elevation Head	4.11	ft.
Pressure Head	2	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	0.45	ft.
Total Dynamic Head (+20%)	7.87	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

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

PROPERTY ID #: 4664887947
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

Approved
5/29/18 mD

OWNER: RUFUS RD. PARTNERS LLC
ADDRESS: 11220 ELM. LN. SUITE 107, CHARLOTTE, NC 28277
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: RIVERSTONE AT ANNISTON LOT 16

APPLICATION DATE 3-20-18
DATE EVALUATED: 3-19-18
PROPERTY SIZE: .533 AC
PROPERTY RECORDED: YES

WATER SUPPLY: Ξ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring Ξ Pit ☐ Cut
TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
PIT 1	LSS 8%	0-10	COMPACTED		NA	56"	FEW INC @ 38-56"	56"	.3
		10-38	RC,S,ABK/SBK	FI,SS,SP,SEXP					
		38-56	RC,M/S,SBK	FI,SS,SP,SEXP					
PIT 2	LSS 9%	0-5	BRSCL,W,SBK	FR,SS,SP,SEXP	Y/BR @ 5-33"	62"	FEW INC @ 33-62"	62"	.25
		5-33	RC,M,ABK	FR,SS,SP,SEXP					
		33-62	RC,M,SBK	FR,SS,SP,SEXP					
PIT 3	LSS 3%	0-9	COMPACTED		NA	59"	NA	59"	.3
		9-27	RC,S,ABK	FR,SS,SP,SEXP					
		27-59	RC,M,SBK	FR,SS,SP,SEXP					
PIT 4	LSS 6%	0-4	COMPACTED		FEW Y/BR @ 4-42"	58"	NA	58"	.275
		4-14	BR/RC,M,SBK	FR,SS,SP,SEXP					
		14-42	RC,S,ABK	FI,SS,SP,SEXP					
		42-58	RC,M,SBK	FR,SS,SP,SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	LP PPBPS	LP PPBPS
Site LTAR	.25	.275

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: BEN ALDRIDGE
OTHER(S) PRESENT: JACOB CONRAD, DAVID BEANE

COMMENTS:

(TS) Lmtd Relay 234493

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

EFT $75

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

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.

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 an (X) beside whichever is submitted if applicable (✓) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: CONCEPT HOMES LLC. Address: 11220 ELM LN. SUITE 109 CHARLOTTE, NC Zip: 28277

Applicant Email: NBELK@MYCONCEPTHOME.COM Phone: 704-507-6327 Alt. Phone: _____

Owner Name: RUFUS RD. Address: 11220 ELM LN. SUITE 109 CHARLOTTE, NC Zip: 28277

Owner Email: JOE@MYCONCEPTHOME.COM Phone: 803-381-5921 Alt. Phone: _____

Property Information:

Street Address: 164 RIVERSTONE DR. DAVIDSON, NC 28038

Subdivision Name: RIVERSTONE AT ANNISTON Section/Phase: _____ Lot Number: 16

Driving Directions: SHEARERS, TL ANNISTON WAY, TR BURNELL, TL WALKING HORSE, TL RIVERSTONE, ON RIGHT

Site Development Information: *(check or complete ALL that apply*

CHECK FOUNDATION TYPE

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure: _____

( ) Crawl Space Foundation
(✓) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

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

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: _____
(✓) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

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. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

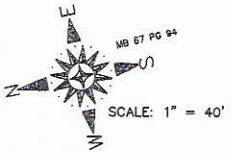
I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible 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.

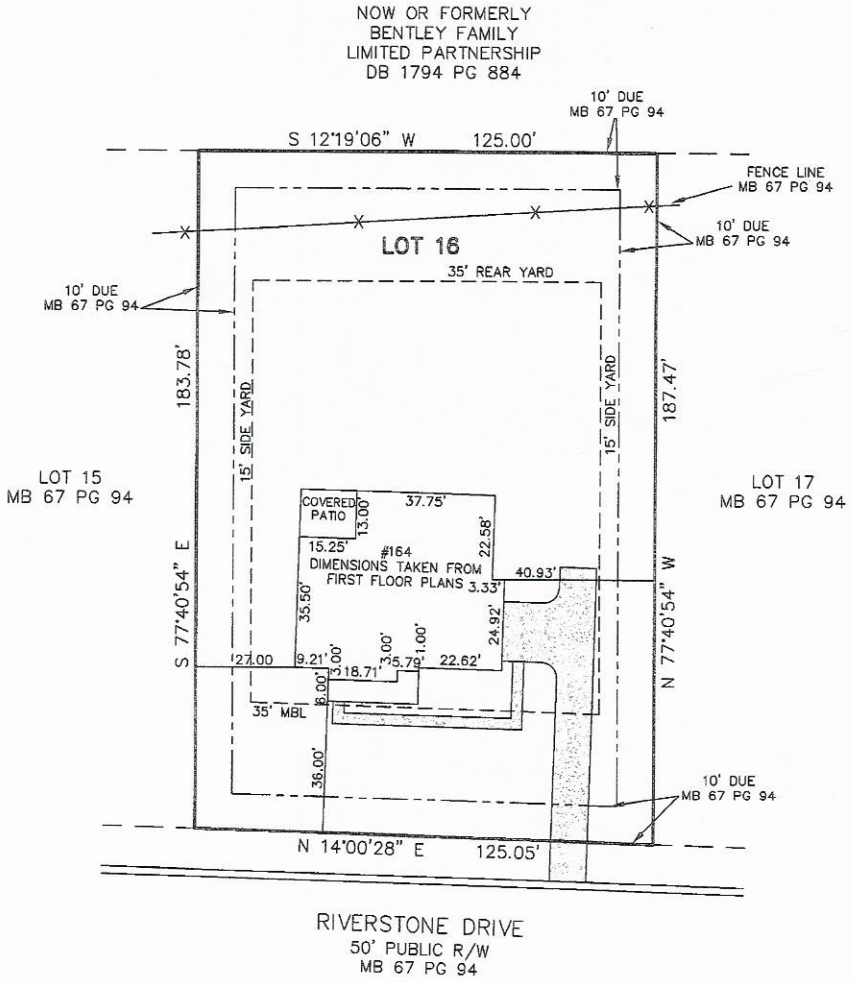
Signature: BAlig 4-2-19
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

SITE DEVELOPMENT PLAN

THIS SITE PLAN IS TO SHOW THE PROPOSED LOCATION OF THE HOUSE ON THE LOT AND IS NOT TO BE RELIED UPON FOR CONSTRUCTION.

PREPARED BY:
DELTA LAND SERVICES, INC.
FIRM LICENSE #C-735
608-G Matthews Mint Hill Road
MATTHEWS, NORTH CAROLINA 28105
(704) 847-4700





ESTIMATED IMPERVIOUS
AREA = 4075 SQ. FT.±

STAKEOUT ☐

NOT FOR RECORDATION, CONVEYANCES OR SALES

Subdivision RIVERSTONE AT ANNISTON County IREDELL
Address 164 RIVERSTONE DRIVE Owner CONCEPT
Lot 16 Block ___ Plan PRINCETON Elevation A Drive (Left) ___ (Right) SIDE (Courtyard) ___ Deck ___
Patio ___ Fireplace ___ Garage (1 Car) ___ (2 Car) X (3 Car) ___ Brick ___ Basement ___ Curtain Wall ___
Crawl ___ Slab X Other COVERED PORCH

REVISED: CHANGED TO SIDE LOAD, MOVED HOUSE LEFT & BACK DWN: JDA CKD: JDA DATE: 02/ 08/ 19

T:\Drawings\anniston\AN-0016.dwg, 2/8/2019 6:45:32 AM, Brother HL-5470DW series

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

1. *** APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) Concept Homes, LLC

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative: *Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship* In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:
Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form. If there are multiple property owners, then all property owners must sign the form that designates a legal representative.
By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

2. I, X Joe Darry / Concept Homes, am the legal owner(s) of the property located at 164 Riverstone Dr. Davidson, identified as

PIN (Parcel Identification Number) 4664-88-7947, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Nick Belk,

_____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

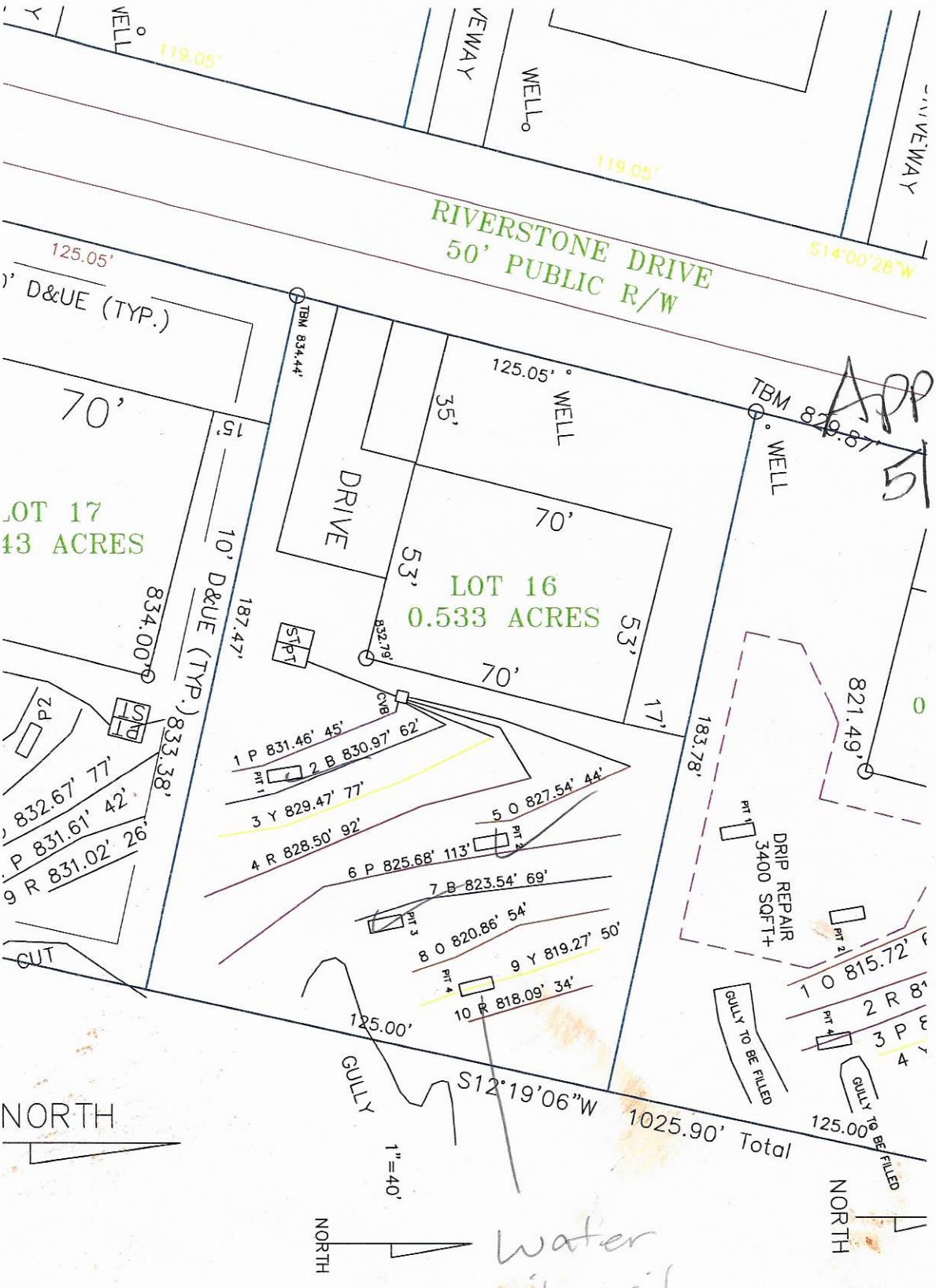
- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

X _____ X 12/12/18
Signature of Owner(s) Date

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677


RIVERSTONE DRIVE
50' PUBLIC R/W
125.05'
D&UE (TYP.)
70'
LOT 17
43 ACRES
10' D&UE (TYP.)
187.47'
833.38'
834.00'
DRIVE
35'
WELL
TBM 834.44'
TBM 829.87'
53'
LOT 16
0.533 ACRES
70'
832.79'
17'
183.78'
821.49'
DRIP REPAIR
3400 SQFT+
1 P 831.46' 45'
2 B 830.97' 62'
3 Y 829.47' 77'
4 R 828.50' 92'
5 O 827.54' 44'
6 P 825.68' 113'
7 B 823.54' 69'
8 O 820.86' 54'
9 Y 819.27' 50'
10 R 818.09' 34'
1 O 815.72'
2 R 8'
3 P
832.67' 77'
P 831.61' 42'
9 R 831.02' 26'
CUT
GULLY
125.00'
S12°19'06"W 1025.90' Total
GULLY TO BE FILLED
NORTH
1"=40'
S14°00'28"W
119.05'
VEWAY
Approved
5/29/18
mb
Water
in pit
Scale 1:40

General Floor Plan Notes

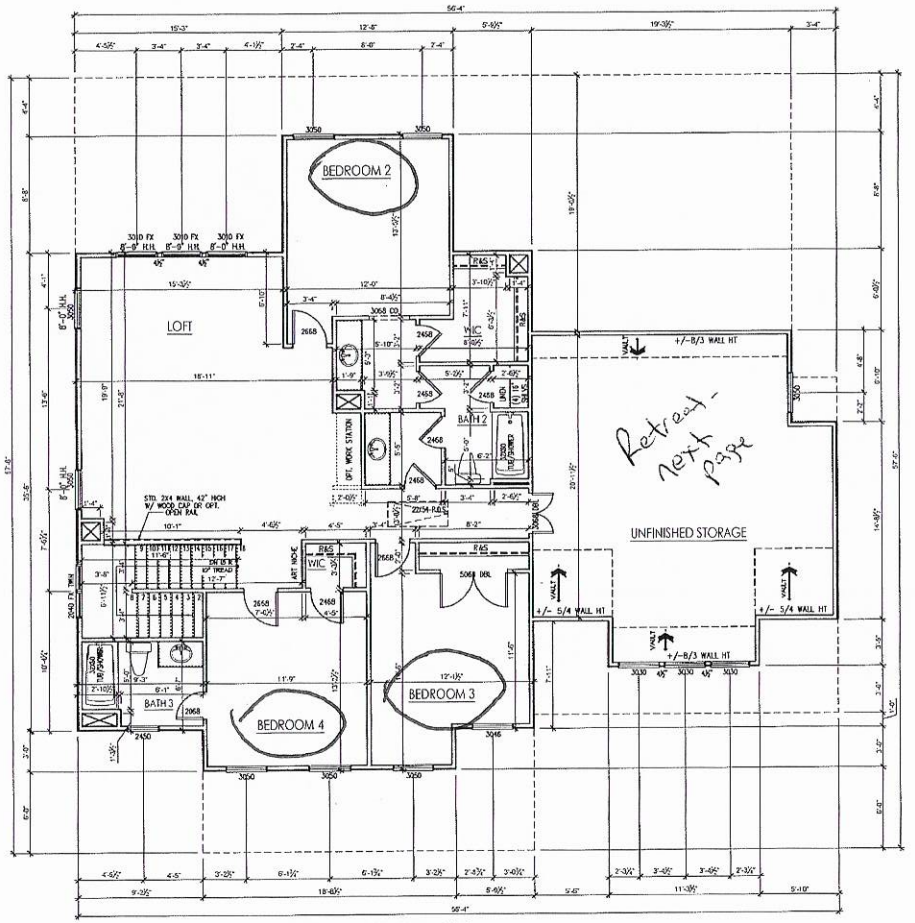
General Floor Plan Notes shall apply unless noted otherwise on plan.

1. **Wall Heights:** Typically 9'-1-1/2" at first floor and second floor, and 8'-1-1/2" at attics U.N.O. All walls are constructed using a double top plate. Splices of Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
2. **Wall Thickness** is typically 4" at exterior walls, 3-1/2" at interior. 2x4 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10' high shall be framed with 2x4 framing or greater and will be noted as a special condition where it occurs on plan.
3. **Header height** shall be 7'-8" AFF at First floor, and 6'-10" AFF at Second floor unless noted otherwise.
4. **Jacks:** Openings up to 3'-4" wide shall have (1) 2x4 jack stud SPF on each side. Openings greater than 3'-4" wide shall have (2) 2x4 jack studs SPF on each side.
5. **Soffit, Coffered Ceilings, Tray Ceilings** and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines unless specifically call out as included. Kitchens do not include soffit over wall cabinetry.
6. **Door & Window Frames,** where occurring near corners, shall be a minimum of 4-1/2" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
7. **Windows:** Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
8. **Closets** for clothing or coat storage shall be equipped with 1 rod/shelf, open wire. Closets for linen shall have 5 open wire shelves. Closets for panties shall have 5 wood shelves, painted.
9. **Stair treads** shall be 10" deep, risers shall be a maximum of 7-3/4", unless noted otherwise.
10. **Handrails and Guards** at stair shall be 34" above the finished surface of the ramp surface of the stair. Handrails at landings and overlooks at multilevel spaces shall be 36" above finished floor. Guards (pickets or balisters) shall be spaced with no more than 4" between guards.
11. **Attic Access** shall be provided at all attic area with a height greater than 30". Minimum clear attic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
12. **Garage Door to living Space** shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
13. **Garage Walls,** as a minimum, shall be separated from living space and living space attic by installing 1/2" gypsum board on the garage side of the wall.

Acknowledgement Of Plans Submittal ONLY

Date 9/15/17

Date 9/11/17



SECOND FLOOR PLAN 'A'

SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

SOUTH DESIGNS
(O) 909-556-2226
(F) 909-556-2228
www.southdesigns.com

Homes

REV #	DESCRIPTION	DATE
1	PROTOTYPE WALK CHANGES, ELECTRICAL, ADDED BONUS PATIO OPT	10/25/2016
2	---	---
3	---	---
4	---	---
5	---	---
6	---	---
7	---	---
8	---	---

3151 - PRINCETON-RH
SIGNATURE COLLECTION
Second Floor Plan 'A'

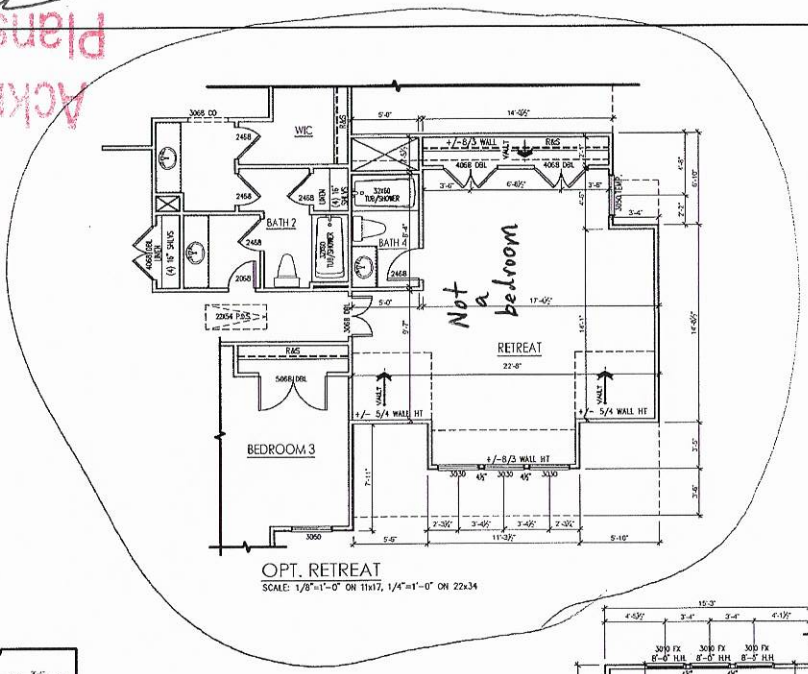
DRAWN BY: SDI
ISSUE DATE: 02/21/2018
CURRENT REVISION DATE: XX/XX/XXXX
SCALE: 1/8" = 1'-0"
SHEET: 2.2a

Acknowledgement Of
Plans Submitted ONLINE
Date 9/16/19
Date 11/11/19

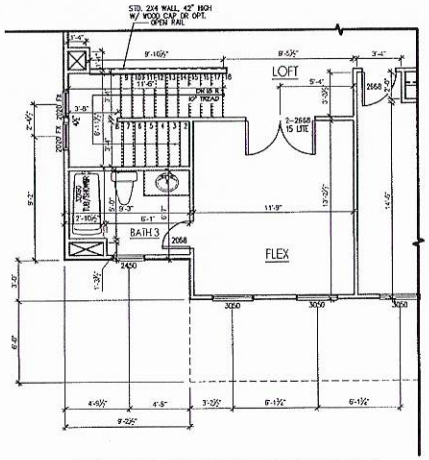
General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

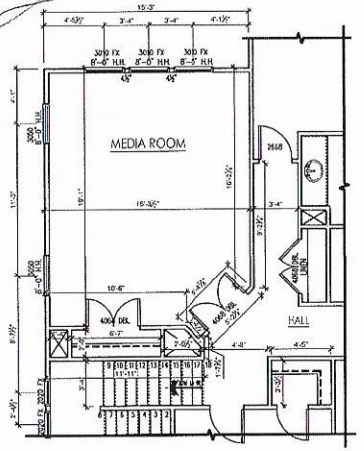
1. Wall Heights: Typically 9'-1-1/2" at first floor and second floor, and 8'-1-1/2" at attics U.N.O.. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
2. Wall Thickness is typically 4" at exterior walls, 5-1/2" at interior. 2x6 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
3. Header height shall be 7'-8" AFF at First floor, and 6'-10" AFF at Second floor unless noted otherwise.
4. Jacks: Openings up to 3'-6" wide shall have (1) 2x4 jack stud SFF on each side. Openings greater than 3'-6" wide shall have (2) 2x4 jack studs SFF on each side.
5. Soffits, Coffered Ceilings, Tray Ceilings and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffits over wall cabinetry.
6. Door & Window Frames, where occurring near corners, shall be a minimum of 4-1/2" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
7. Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
8. Closets for clothing or cool storage shall be equipped with 1 rod/shelf, open wire. Closets for linen shall have 5 open wire shelves. Closets for pantries shall have 5 wood shelves, painted.
9. Stair treads shall be 10" deep, risers shall be a maximum of 7-3/4", unless noted otherwise.
10. Handrails and Guards at stairs shall be 34" above the finished surface of the ramp surface at the stair. Handrails at landings and overlooks at multilevel spaces shall be 36" above finished floor. Guards (pickets or balusters) shall be spaced with no more than 4" between guards.
11. Attic Access shall be provided at all attic area with a height greater than 30". Minimum clear attic access shall be 20" x 30". Pull-down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
12. Garage Door to living Space shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
13. Garage Walls, as a minimum, shall be separated from living space and living space attic by installing 1/2" gypsum board on the garage side of the wall.



OPT. RETREAT
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



OPT. FLEX ROOM ILO BEDROOM 4
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



OPT. MEDIA ROOM
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

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Homes

REV #	DESCRIPTION	DATE
1	FACTORY PRE BUILD CHANGES ELECTRICAL - ADDED SIGN FRONT LEFT	09/06/2018
2	---	---
3	---	---
4	---	---
5	---	---
6	---	---
7	---	---
8	---	---

3151 - PRINCETON-RH
SIGNATURE COLLECTION
Second Floor Options 'A'

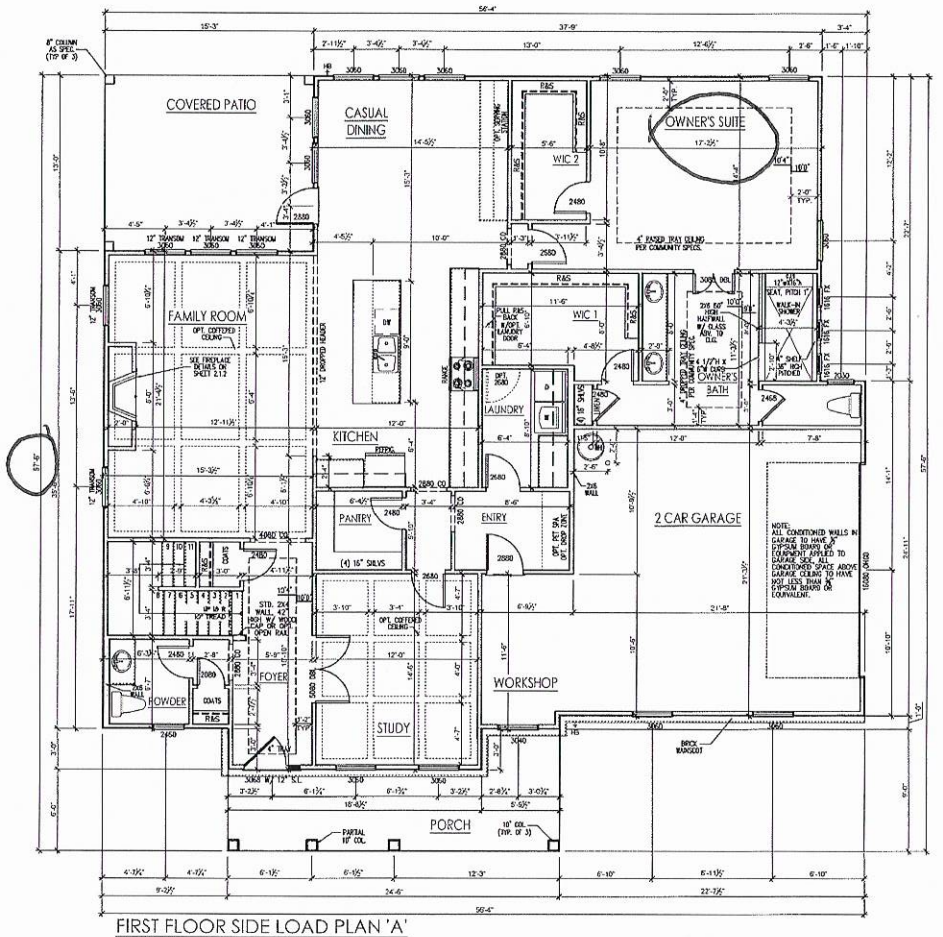
DRAWN BY: SD
ISSUE DATE: 02/26/03 18
CURRENT REVISION DATE: XX/XX/XXXX
SCALE: 1/8" = 1'-0"
SHEET: 2.2.1a

General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

1. **Wall Height:** Typically 9'-1-1/2" at first floor and second floor, and 8'-1-1/2" at office U.N.O. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from joint in other Top Plate layer, unless otherwise noted on plans where they occur.
2. **Wall Thickness** is typically 6" at exterior walls and 5-1/2" at interior. 2x6 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
3. **Header Height:** Shall be 7'-8" AFF at First Floor and 6'-10" AFF at Second Floor unless noted otherwise.
4. **Openings:** Openings up to 3'-0" wide shall have (1) 2x4 cripple stud OFF on each side. Openings greater than 3'-4" wide shall have (2) 2x4 cripple studs (1) on each side.
5. **Soffit, Coffered Ceilings, Tray Ceilings** and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffit over wall cabinetry.
6. **Door & Window Jambs:** where occurring near corners, shall be a minimum of 4-1/2" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
7. **Windows:** Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
8. **Closets** for clothing or coat storage shall be equipped with 1 rod/shelf, open wire. Closets for linen shall have 5 open wire shelves. Closets for pantries shall have 5 wood shelves, painted.
9. **Stair treads** shall be 10" deep, risers shall be a maximum of 7-3/4", unless noted otherwise.
10. **Handrails and Guards** at stairs shall be 34" above the finished surface of the ramp surface of the stair. Handrails at landings and overlooks at multilevel spaces shall be 36" above finished floor. Guards (pickets or balisters) shall be spaced with no more than 4" between guards.
11. **Attic Access** shall be provided at all attic area with a height greater than 30". Minimum clear attic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
12. **Garage Door** to living space shall be 3'-0" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
13. **Garage Walls,** as a minimum, shall be separated from living space and living space attic by installing 1/2" gypsum board on the garage side of the wall.

Date
Plans Submittal ONLY
Acknowledgement



FIRST FLOOR SIDE LOAD PLAN 'A'
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

SOUTH DESIGNS
(O) 919-556-2226
(F) 919-556-2228
www.southdesigns.com

Homes

REV #	DESCRIPTION	DATE
1	PROTOTYPE WALK CHANGES, ELECTRICAL, ADDED SCRN PORCH OPT	---
2	---	---
3	---	---
4	---	---
5	---	---
6	---	---
7	---	---
8	---	---

3151 - PRINCETON-RH
SIGNATURE COLLECTION
First Floor Side Load 'A'

DRAWN BY: SDI
ISSUE DATE: 02/01/2018
CURRENT REVISION DATE: XX/XX/XXXX
SCALE: 1/8" = 1'-0"
SHEET: 2.1.3a

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
234493
Issue Date: 03/29/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4664887947.000	164 RIVERSTONE DRIVE, DAVIDSON, NC 28036	

Owner Information	Applicant Information
Owner: RUFUS ROAD PARTNERS LLC	Applicant: CAROLINA SOIL SEPTIC C
Address: 242 JOHNSON DAIRY ROAD	Address: 162 WEST B ST
MOORESVILLE, NC 28115	KANNAPOLIS, NC 28081
Phone:	Phone: 704-202-5791

Use Requested	Zone Code
SFD	

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	35.00	15.00	15.00	NOT	X

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	133848	TOTAL FEES:	$ 77.25