

HARNETT DEPARTMENT OF PUBLIC HEALTH PERMIT
TO CONSTRUCT A DRINKING WATER SUPPLY WELL

PIN #: 0517-98-7420.000 Parcel #: 1305270020 Application #: 17-5-41438 Subdivision: _____ Lot #: _____

Applicant Name: Christina Jardine
Address: 2317 Park Summit Blvd Apex, NC 27523

Type of Facility Served by Well: SFD

Sewage System: 25% Reduction System

Permit Conditions: 324 Clark Rd. (SR 1129) - Reference Construction Sketch

General Permit Conditions:

- Drinking water supply well construction must meet 15A NCAC 02C.100 rules
- The permitted drinking water supply well shall be located in accordance with the **SITE PLAN**
- **ANY ALTERATION** of the site of the site (including location of structures and appurtenance) or modification in use of the well, may subject this Permit to revocation

Authorized State Agent [Signature] Date 6-2-17

Grouting Inspection Witnessed [Signature] Date 09-11-17

Grouting self-certified by driller GW-1 provided? Yes No

See attachment for construction sketch

WELL CERTIFICATE OF COMPLETION

Date: _____ Application #: _____ Well Contractor: _____

Applicant Name: _____
Address: _____
Directions to Site: _____

Use of Well: _____ Date Drilled: _____ Total Depth: _____ Replacement Well? Yes No
Static Water Level: _____ Top of Casing is _____ in. above surface. Yield: _____ gpm at _____ ft.
Disinfection: Type _____ Amount _____

Water Zone (depth)

From _____ To _____
From _____ To _____
From _____ To _____

Casing

From _____ To _____
Diameter: _____ Material: _____ Thickness: _____
From _____ To _____
Diameter: _____ Material: _____ Thickness: _____
From _____ To _____
Diameter: _____ Material: _____ Thickness: _____

Grout

From _____ To _____
Material: _____ Method: _____
From _____ To _____
Material: _____ Method: _____
From _____ To _____
Material: _____ Method: _____

Inspector: _____ On Hold Date: _____ Release Date: _____

Remarks: _____

Well Head Information

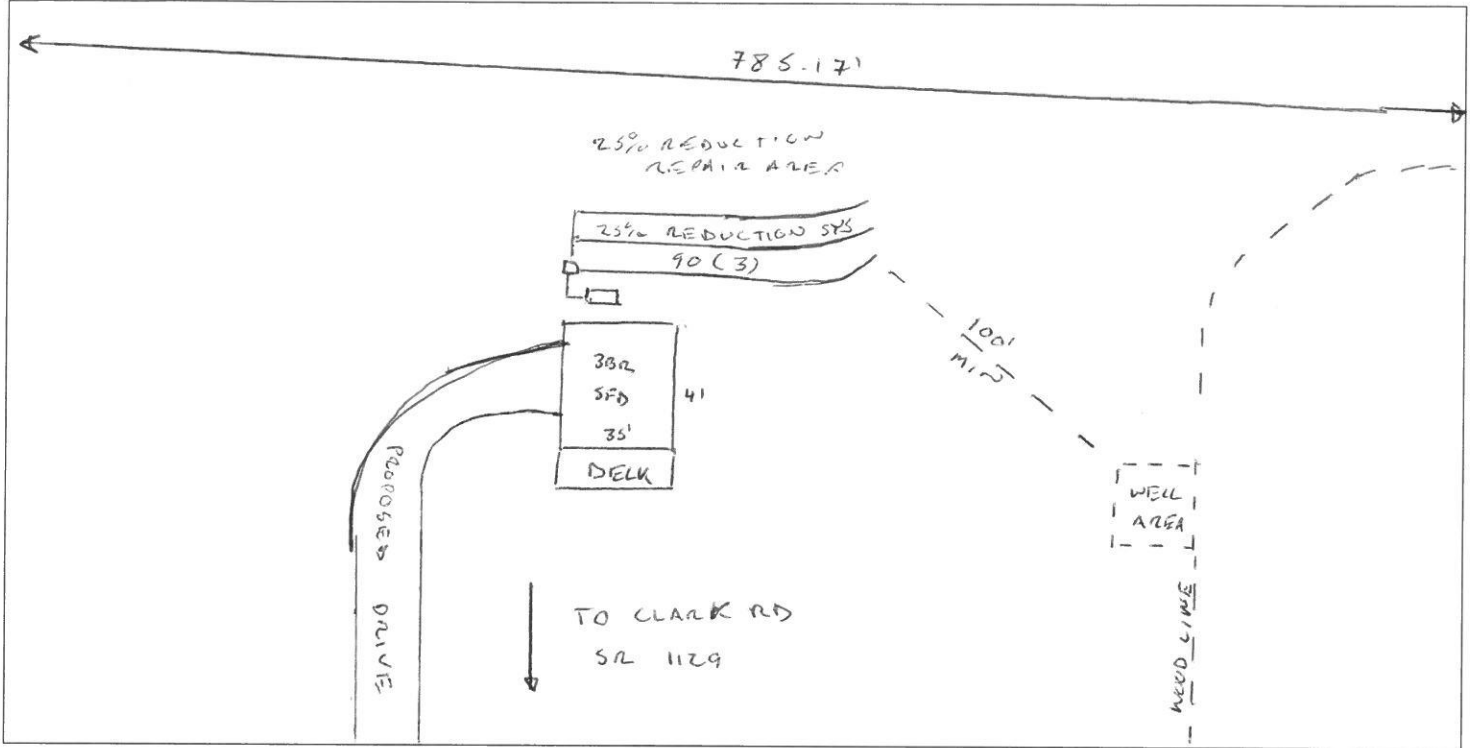
Casing Height: rain (above finished grade) Access Port: Vent Stack:
Well ID Tag: Pump ID Tag: Sampling Tap: Backflow Preventer:
Sample Taken? Yes No Well Head properly sealed:

Remarks: _____

Authorized State Agent [Signature] Date 11/28/2017

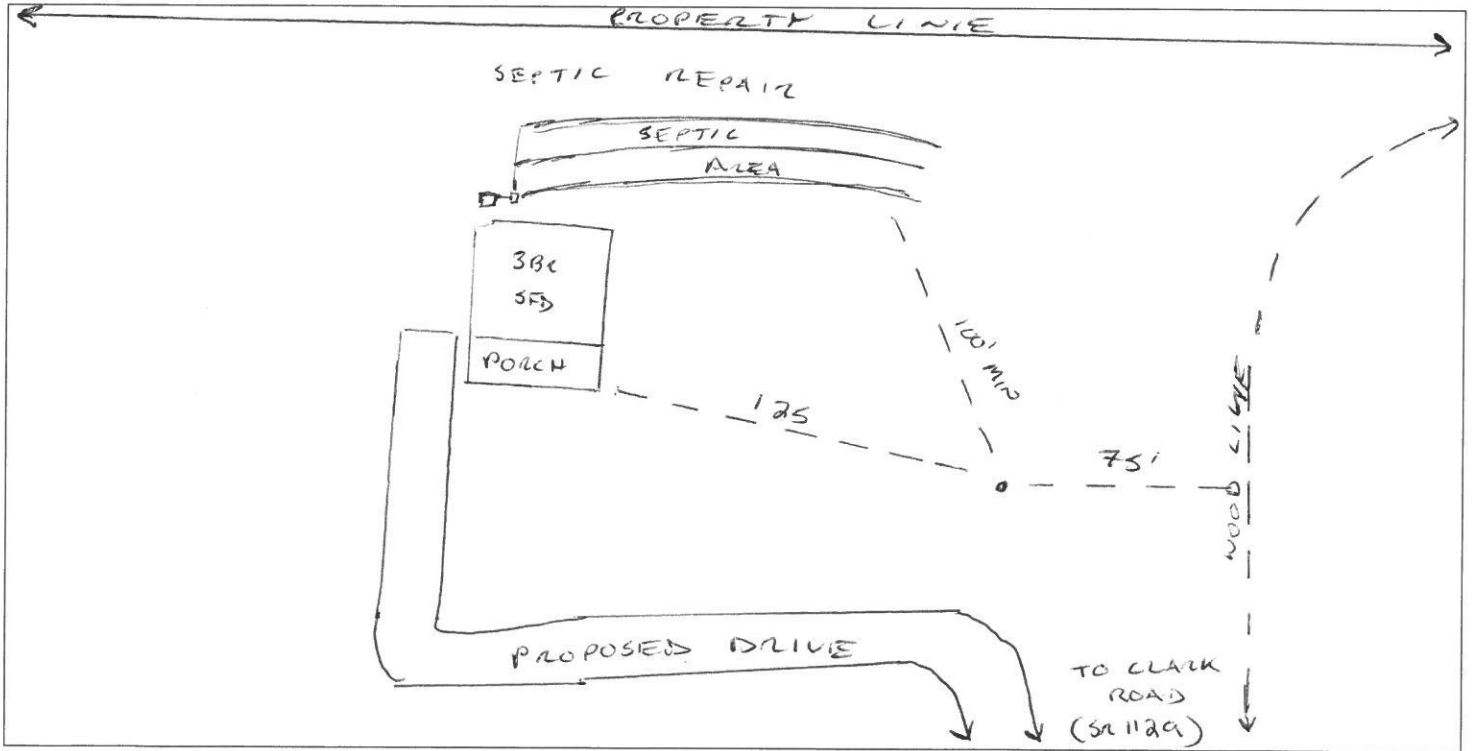
See Attachment for completion sketch

Well Construction Sketch



* Well may be relocated with Health Department approval if 100ft septic setback is maintained

Well Completion Sketch



WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Well Contractor Name: ROGER W. JACKSON

Well Contract #/Date: 2179

NC Well Contractor Certification Number: JACKSON WELL DRILLING
Company Name

2. Well Construction Permit #: 29490
List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input checked="" type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under #21 Remarks)

For Internal Use ONLY:

14. WATER ZONES		
FROM	TO	DESCRIPTION
126 ft	128 ft	
162 ft	164 ft	

15. OUTER CASING (For multiple casing use for #11-17 separately)				
FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft	50 ft	6 in.	1/2"	PVC

16. INNER CASING (For multiple casing use for #11-17 separately)				
FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN					
FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT			
FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft	30 ft	SAND/CEMENT	FOUNDRY
ft.	ft.		
ft.	ft.		

19. SAND/SPLIT PACK (if applicable)			
FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (attach additional pages if necessary)		
FROM	TO	DESCRIPTION (color, hardness, soil rock type, grain size, etc.)
0 ft	42 ft	CLAY
42 ft	180 ft	SLATE
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

4. Date Well(s) Completed: 9-1-17 Well ID#

5a. Well Location: CHRISTINA JARDINE 1754438
Facility/Owner Name Facility ID# (if applicable)

Physical Address, City, and Zip: 324 CLARK # HARNE #
County Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees: 35°20.264' N 78°56.118' W
(if well field, one lat/long is sufficient)

6. Is (are) the well(s): Permanent or Temporary

7. Is this a repair to an existing well: Yes or No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1
For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

9. Total well depth below land surface: 180' (ft.)
For multiple wells list all depths if different (example - 3@200' and 2@100')

10. Static water level below top of casing: 23' (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:	
13a. Yield (gpm): <u>15</u>	Method of test: <u>Air</u>
13b. Disinfection type: <u>HTH</u>	Amount: <u>12oz</u>

22. Certification: Roger W. Jackson 9-1-17
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details: You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.