

HA. ETT DEPARTMENT OF PUBLIC HEALTH ERMIT  
TO CONSTRUCT A DRINKING WATER SUPPLY WELL

PIN #: 0598-76-5994.000 Parcel #: 07 0598 0126 01 Application #: 12-5-29662 Subdivision: \_\_\_\_\_ Lot #: 1

Applicant Name: Barry Caulder  
Address: 130 Redrobin Dr Dunn N.C. 28334

Type of Facility Served by Well: SFD

Sewage System: 25% Reduction

Permit Conditions: \_\_\_\_\_

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 James E. Marhant Date 9-19-12

Grouting Inspection Witnessed \_\_\_\_\_ Date \_\_\_\_\_  
 Grouting self-certified by driller GW-1 provided?  Yes  No

See attachment for construction sketch

WELL CERTIFICATE OF COMPLETION

Date: 9-16-13 Application #: 29662 Well Contractor: WELTIFORD

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 \_\_\_\_\_

<u>Water Zone (depth)</u>	<u>Casing</u>	<u>Grout</u>
From _____ To _____	From _____ To _____	From 0 To _____
From _____ To _____	Diameter: _____ Material: _____ Thickness: _____	Material: _____ Method: _____
From _____ To _____	From _____ To _____	From _____ To _____
	Diameter: _____ Material: _____ Thickness: _____	Material: _____ Method: _____
	From _____ To _____	From _____ To _____
	Diameter: _____ Material: _____ Thickness: _____	Material: _____ Method: _____

Inspector: \_\_\_\_\_ On Hold Date: \_\_\_\_\_ Release Date: \_\_\_\_\_

Remarks: \_\_\_\_\_

Well Head Information

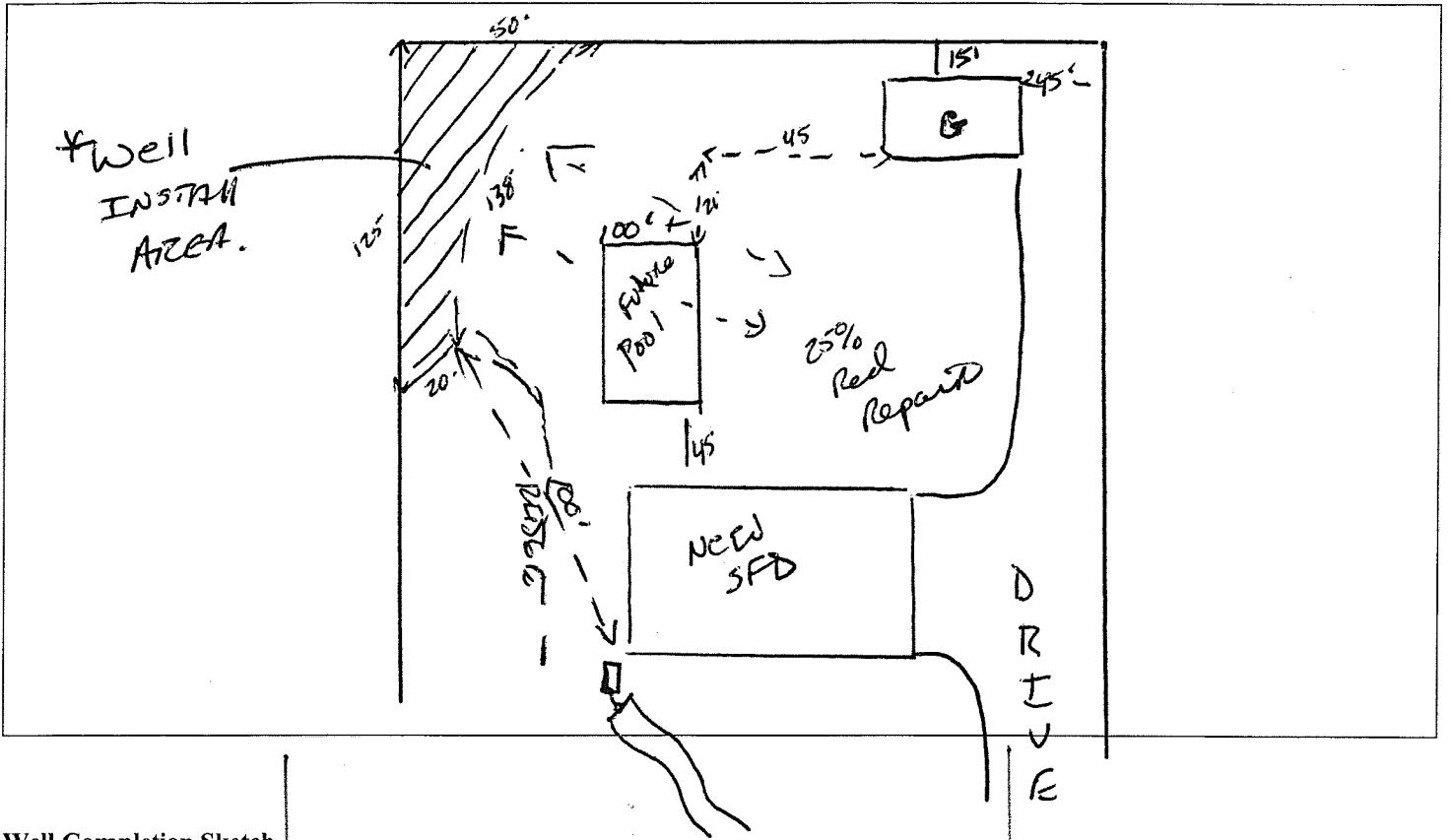
Casing Height: 12" (above finished grade) Access Port:  Vent Stack: \_\_\_\_\_  
Well ID Tag: ✓ Pump ID Tag: \_\_\_\_\_ Sampling Tap: ✓ Backflow Preventer: \_\_\_\_\_  
Sample Taken?  Yes  No Well Head properly sealed: ✓

Remarks: \_\_\_\_\_

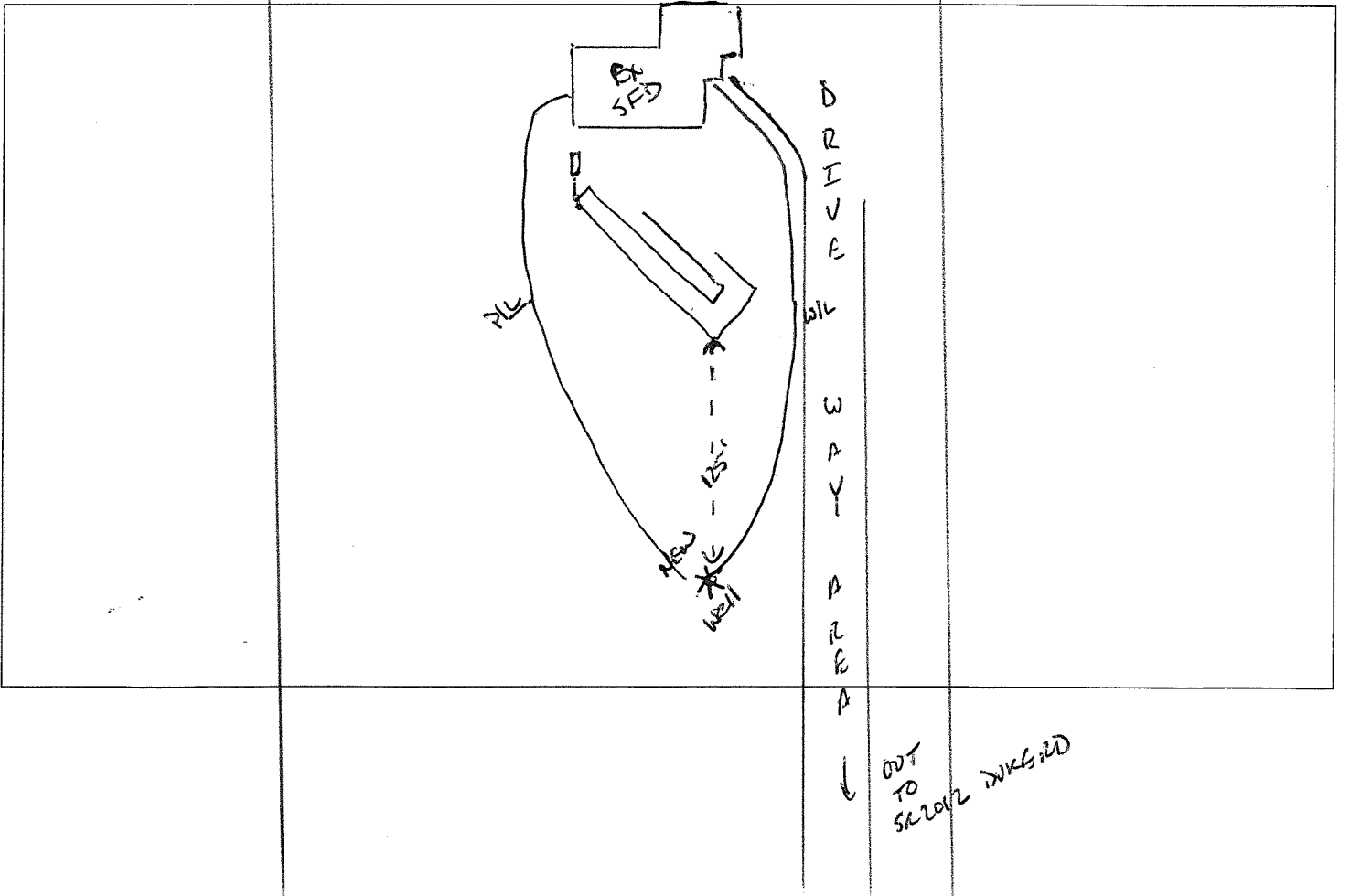
Authorized State Agent James E. Marhant Date 4-18-13

See Attachment for completion sketch

Well Construction Sketch



Well Completion Sketch



# WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Larry Williford CERTIFICATION # 2863

WELL CONTRACTOR COMPANY NAME Larry Williford's Well Drilling PHONE # (910) 567-2579

STATE WELL CONSTRUCTION PERMIT# \_\_\_\_\_ ASSOCIATED WQ PERMIT# \_\_\_\_\_  
(if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential  Municipal/Public  Industrial  Agricultural   
Monitoring  Recovery  Heat Pump Water Injection  Other  If Other, List Use \_\_\_\_\_

2. WELL LOCATION:  
Nearest Town: Dunn County Harnett  
641 Duke Rd  
(Street Name, Number, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting  
 Ridge  Slope  Valley  Flat  
(check appropriate box)  
Latitude/longitude of well location  
35° 21.746 78° 40.376  
(degrees/minutes/seconds)

3. OWNER: Barry Caulder  
Address 641 Duke Rd  
(Street or Route No.)  
Dunn NC 28334  
City or Town State Zip Code

Latitude/longitude source:  GPS  Topographic map  
(check box)

DEPTH		DRILLING LOG
From	To	Formation Description
<u>0</u>	<u>1</u>	<u>topsoil</u>
<u>1</u>	<u>8</u>	<u>orange sandy clay</u>
<u>8</u>	<u>19</u>	<u>tan-gray clay</u>
<u>19</u>	<u>38</u>	<u>gray clay</u>
<u>38</u>	<u>50</u>	<u>gray sand</u>

4. DATE DRILLED: 1-10-13

5. TOTAL DEPTH: 50 FT

6. DOES WELL REPLACE EXISTING WELL? YES  NO

7. STATIC WATER LEVEL Below Top of Casing: 25 FT.  
(Use "\*" if Above Top of Casing)

8. TOP OF CASING IS 1 FT. Above Land Surface\*

\*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.

9. YIELD (gpm): 7 METHOD OF TEST pumping

10. WATER ZONES (depth): 38-50

### LOCATION SKETCH

Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

11. DISINFECTION: Type HTH Amount 1/2 cup

12. CASING:

From	To	Depth	Diameter or Weight/Ft.	Material
<u>1</u>	<u>38</u>	<u>ft</u>	<u>2"</u>	<u>SLH40 PVC</u>

13. GROUT:

From	To	Depth	Material	Method
<u>0</u>	<u>5</u>	<u>ft</u>	<u>Cement</u>	<u>pour</u>
<u>5</u>	<u>20</u>	<u>ft</u>	<u>Bentonite</u>	<u>pour</u>

14. SCREEN:

From	To	Depth	Diameter	Slot Size	Material
<u>38</u>	<u>50</u>	<u>ft</u>	<u>2 in.</u>	<u>10/12 in.</u>	<u>PVC</u>

15. SAND/GRAVEL PACK:

From	To	Depth	Size	Material
<u>20</u>	<u>50</u>	<u>ft</u>	<u>#2</u>	<u>Sandpack</u>

16. REMARKS: \_\_\_\_\_

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Larry Williford Jr 1-10-13  
SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE