

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

PIN #: _____ Parcel #: _____ Application #: SFD2104-0075 R Subdivision: _____ Lot #: 1

Applicant Name: Harrington Properties
Address: Seminole Rd (SR1280)

54 Seminole fields

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 *[Signature]* REHJ Date 10-19-21

Grouting Inspection Witnessed _____ Date _____
 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 _____

<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

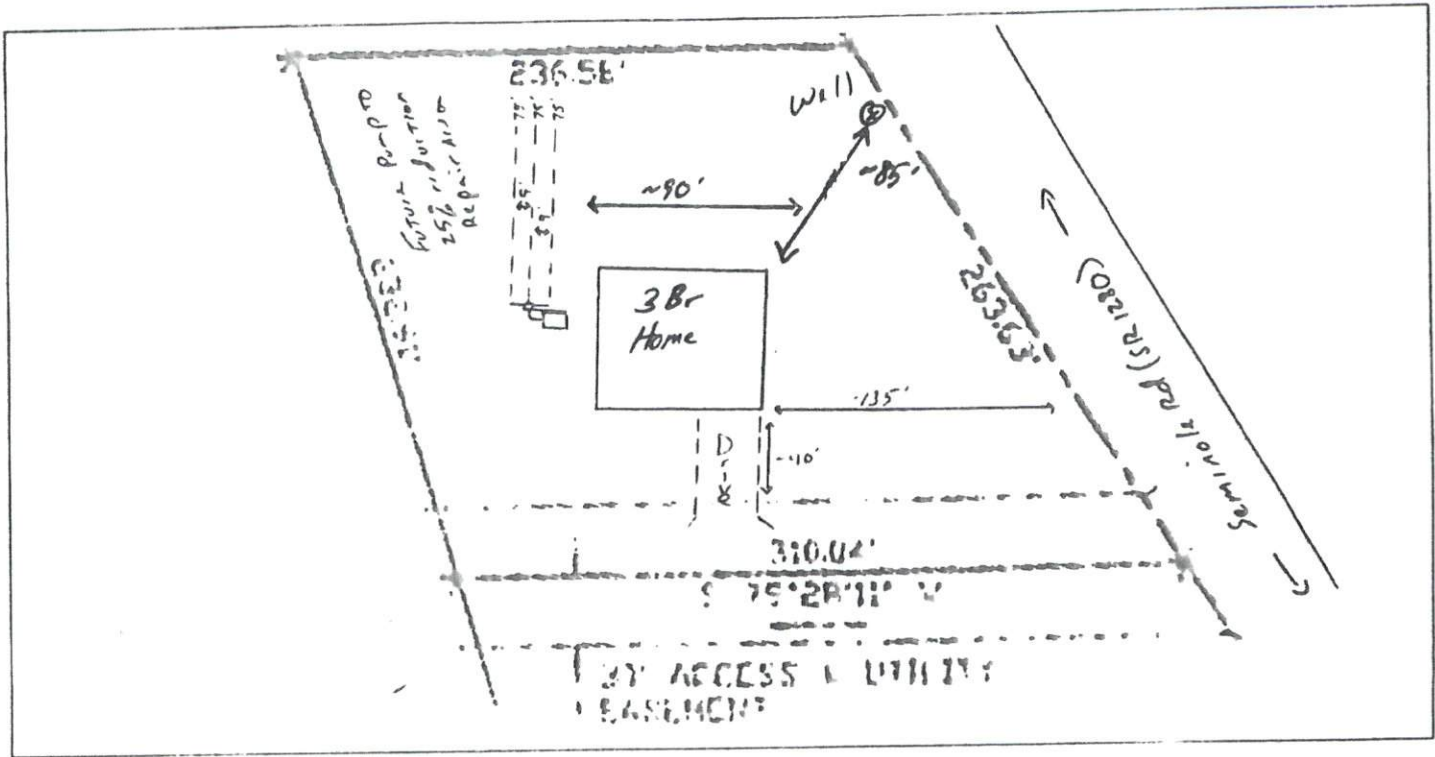
Casing Height: 14 (above finished grade) Access Port: Vent Stack:
Well ID Tag: Pump ID Tag: N/A Sampling Tap: Backflow Preventer: N/A
Sample Taken? Yes No Well Head properly sealed:

Remarks: _____

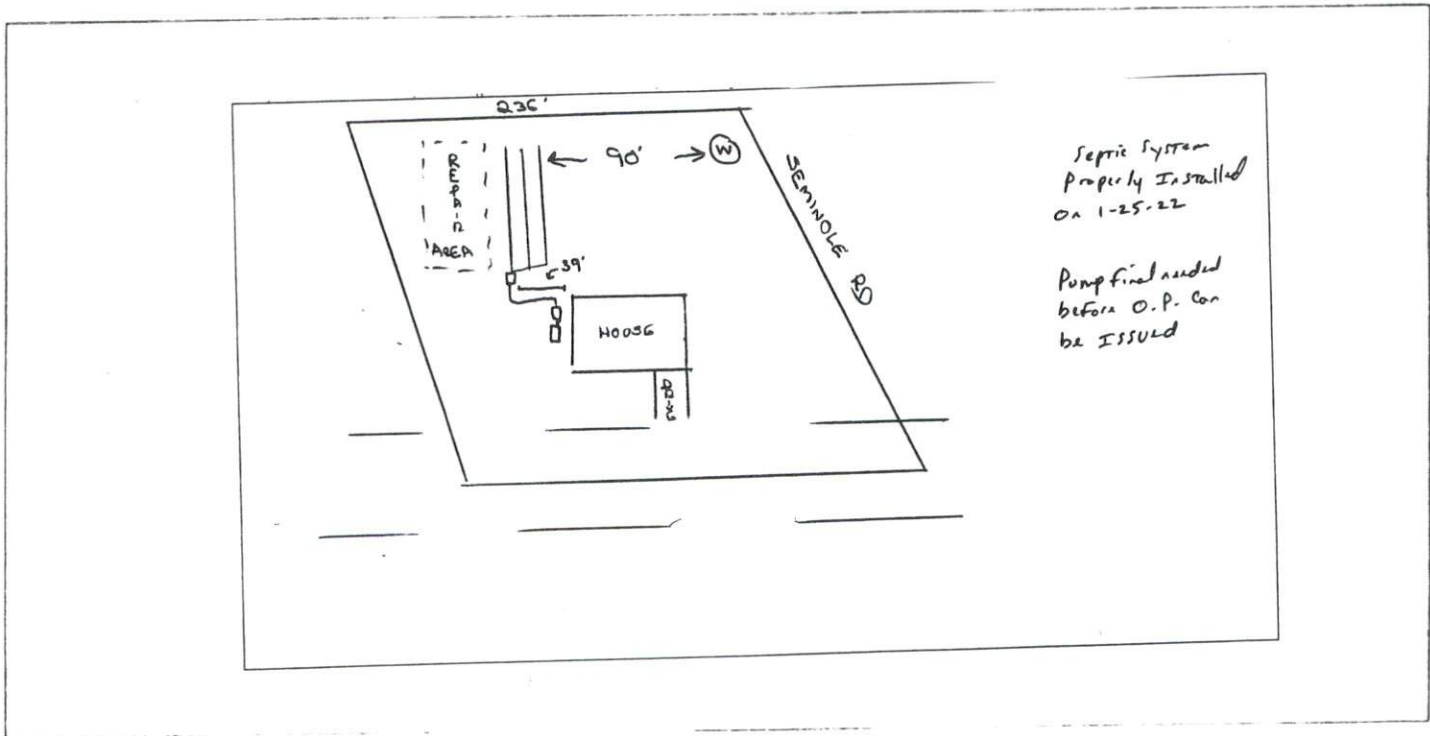
Authorized State Agent *[Signature]* REHJ Date 2-18-22

See Attachment for completion sketch

Well Construction Sketch



Well Completion Sketch





Well Permit Decision Tool



Report

Back

Area : 3,134,508.61 ft²

Known Releases of Contamination (0)

Upload shapefile to include in analysis

1:9,028



WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

Well Contractor Name: Michael Maress
 Well Contractor Certification Number: NCCWC 2470-A
 Company Name: NW Maress & Sons

2. Well Construction Permit #: Application # SFD2104-0075
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

Agricultural Municipal/Public
 Geothermal (Heating/Cooling Supply) Residential Water Supply (Single)
 Industrial/Commercial Residential Water Supply (Shared)
 Irrigation

Non-Water supply Well:

Monitoring Recovery

Injection Well:

Aquifer Recharge Groundwater Remediation
 Aquifer Storage and Recovery Salinity Barrier
 Aquifer Test Stormwater Drainage
 Experimental Technology Subsidence Control
 Geothermal (Closed Loop) Tracer
 Geothermal (Heating/Cooling Return) Other (explain under #21 remarks)

14. WATER ZONES

FROM	TO	DESCRIPTION
ft 225	ft 3	3 Gpm 310-34 Gpm
ft 255	ft 3	3 Gpm

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
+ 7	ft 166	ft 6 1/4	in SDR21	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

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
ft 0	ft 20+	Bentonite	Pumped
ft	ft		
ft	ft		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft	ft		
ft	ft		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain, size, etc.)
ft 0	ft 4	Clay
ft 4	ft 156	Sand & clay mix
ft 156	ft 340	Blue Granite Rock
ft	ft	
ft	ft	
ft	ft	
ft	ft	

21. REMARKS

22. CERTIFICATION:
 Signature of Certified Well Contractor: Michael Maress Date: 5-18-21

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 abandonment 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: In addition to sending the form to the address in 24a above, also submit one 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: In addition to sending the form to the address(es) above, 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.

4. Date Well Completed: 5-18-21 Well ID# _____

5a. Well location:
 Facility/Owner Name: Harriston Properties Facility ID# (if applicable): _____
 Physical Address, City and Zip: Seminole Rd, Hot 1, Harnett
 County: _____ Parcel Identification # (PIN): _____

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
35.442 N 79.041 W

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. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 340 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 70 (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): 40 Method of Test: Air

13b. Disinfection Type: H+H Amount: 1 Pounds