

State Water Control Board
P.O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

Certification of Completion/County Permit

Ross Brothers
Ken Ross
P.O. Box 352
Ferrisville, Va
659-7778

County/City Stafford

County/City Stamp

SWCB Permit _____
County Permit _____
Certification of inspecting official:
This well does _____ does not
meet code/low requirements.
S. _____
Date _____
For Office Use 25C-3-53

- Virginia Plane Coordinates
N _____
E _____
Latitude & Longitude
N _____
W _____
- Topo. Map No. 183A
- Elevation _____ ft.
- Formation _____
- Lithology _____
- River Basin _____
- Province _____
- Type Logs D. L.
- Cuttings N. A.
- Water Analysis _____
- Aquifer Test _____

• Owner - For Sale -

• Well Designation or Number _____
Address _____
Phone _____

• Drilling Contractor John L. Danielson, Jr., Inc.
Address 4616 Hood Drive
Fredericksburg, Virginia 22401
Phone (703) 898-6025

189-89-305 12/89 Richard Smith
Tax Map I.D. No. 25-49-3-53
Subdivision Blake Farms
Section 3
Block _____
Lot 53
Class Well: I _____, IIA _____
IIB , IIIA _____, IIIB _____
IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles _____ direction) of _____
and 1 (feet/miles) N (direction) of # 649 Blake Farm
(If possible please include map showing location marked)

Date started 2/2/90 • Date completed 2/2/90 Type rig Air Rotary

Approximate Drawdown 170 feet.

WELL DATA: New Reworked _____ Deepened _____

• Total depth 240 ft.
• Depth to bedrock 125 ft.

• Hole size (Also include reamed zones)
• 10 inches from 0 to 125 ft.
• 6 1/2 inches from 125 to 240 ft.

• Casing size (I.D.) and material
• 6 1/2 inches from 1 to 125 ft.
Material PVC Well Casing
Wt. per foot _____ or wall thickness SDR 27 in.
• 4 1/2 inches from 120 to 200 ft.
Material PVC Well Casing
Wt. per foot _____ or wall thickness SDR 17 in.
• 4 1/2 inches from 220 to 240 ft.
Material PVC Well Casing
Wt. per foot _____ or wall thickness SDR 17 in.

• Screen size and mesh for each zone (where applicable)
• .016 inches from 200 to 220 ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____

• Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.

• Grout
• From 0 to 50' ft. Type Pressure Grouting
• From _____ to _____ ft. Type Neat Cement

2. WATER DATA • Water temperature _____
• Static water level (unpumped level measured) 10
• Stabilized measured pumping water level 180
• Stabilized yield 8 gpm after 1 hour
Natural Flow: Yes _____ No flow rate _____ g p
Comment on quality _____

3. WATER ZONES: From 231 To 232
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

4. USE DATA:
Type of use: Drinking Livestock Watering _____
Irrigation _____ Food processing _____ Household
Manufacturing _____ Fire safety _____ Cleaning _____
Recreation _____ Aesthetic _____ Cooling or heating _____
Injection _____ Other _____
• Type of facility: Domestic Public water supply _____
Public institution _____ Farm _____ Industry _____
Commercial _____ Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal. Loc. _____
Sample tap _____ Measurement port _____
Well vent _____ Pressure relief valve _____
Gate valve _____ Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no _____
Date _____ Disinfectant used _____
Amount _____ Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____
Pump installed through Ross Brothers

- Installed watertight top
- suggest setting pump @ approx. 300'
you will encounter there @ approx. OVER 120' Suggest buying torque wrench

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

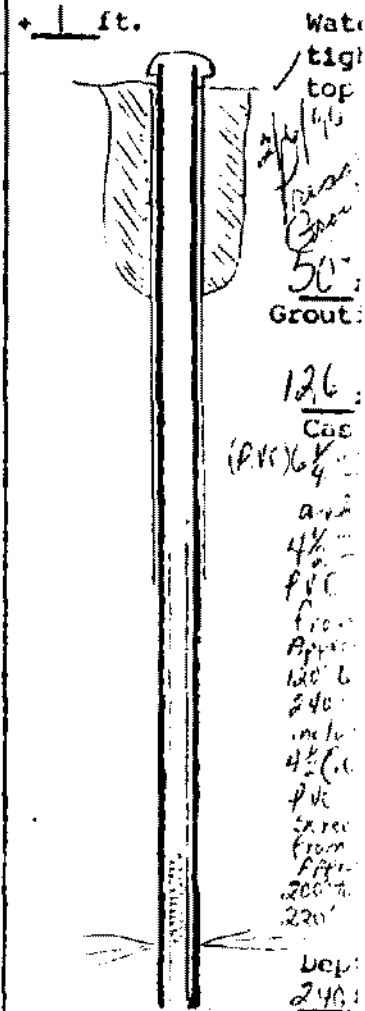
10. DRILLERS LOG (use additional Sheet if necessary)

11.

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.))
From	To		
0	10	Red clay	
10	50	Micaceous formation of red	
50	90	Micaceous formation of brown	
90	125	Soft brown rock	
125	150	Soft blue rock	
150	240	Blue rock	

Drilling Time (Min.)



Approximate Water Zones
231 to 232

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p. s. i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinance and the laws and rules of the Commonwealth of Virginia.

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-628-2595

Southwest Reg. Off.
408 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

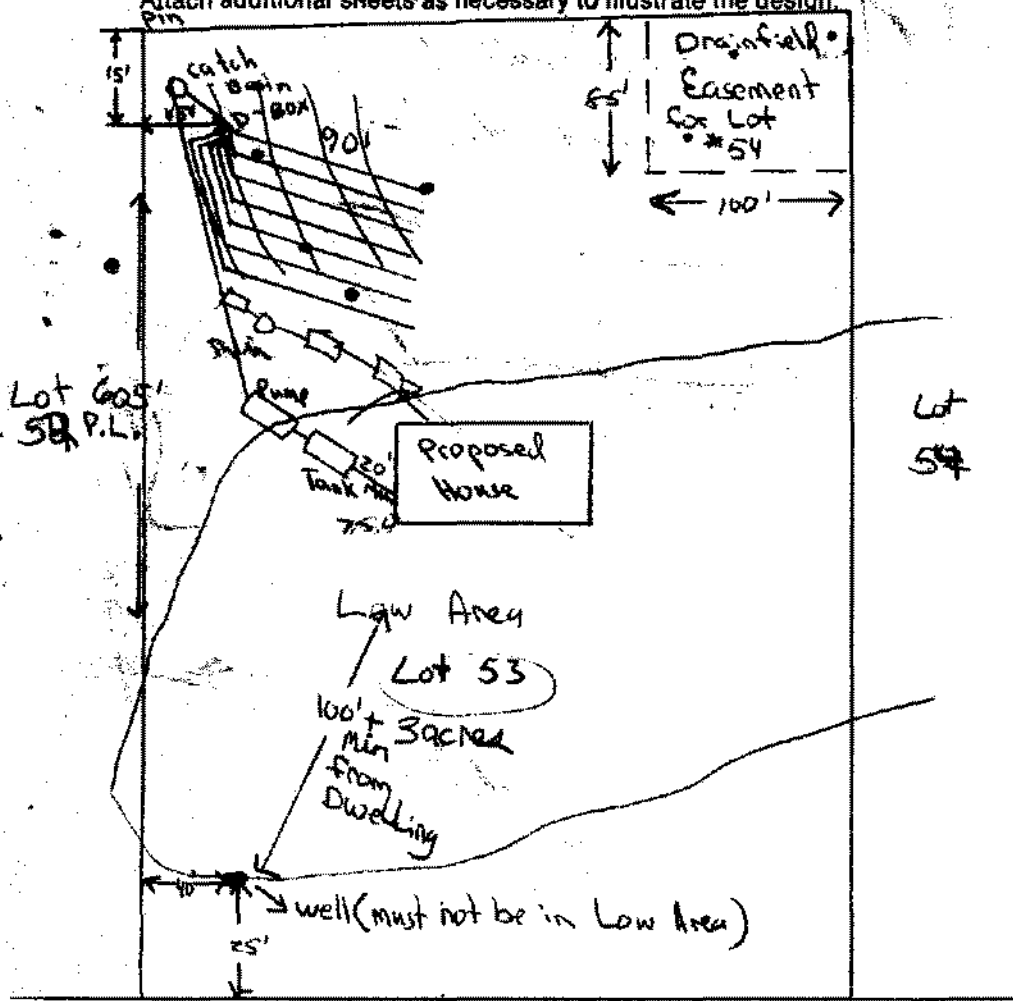
Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

Signature Garret J. Danaher (Seal), Date 2/6/90
(Well driller or authorized person) License No. _____

The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional sheets as necessary to illustrate the design.



- * Drawing not to scale.
- * Permit void if house location interferes with proposed drainfield location.
- * Drainfield to be 100' + from all Class III wells and 50' + from all Class II wells.
- * Remove all trees within 10' of drainfield.
- * Install (7) 90' lines in 36" wide ditches following land contours.
- * Install septic tank and distribution box with 18 to 24" maximum cover.
- * Install ditches 48" deep.
- * Follow OSHA Codes.
- * Header lines to extend 24" into ditches.
- * Place untreated building paper over gravel in ditches.
- * Designed for basement plumbing? Yes No
- * Pump septic tank every 3 to 5 years. Pump may be required
- * Keep driveway off drainfield system.
- * Divert roof drains away from drainfield.
- * Install Class III well 50' + from all sources of contamination.
- * Well shall not be located in a low area.
- *** PUMP SYSTEM REQUIREMENTS ***
- * Install check valve at pump and elbow in basin.
- * Pump to deliver 55 gallons per cycle 45" drawdown for a 50 gallon tank).
- * Install alarm panel with audio and visual signals in dwelling.
- * Contractor to supply pump specifications.
- * Building inspector to check all wiring.
- * Sanitarian to observe pump operation.
- * Well curbing to be used for catch basin.

The sewage disposal system is to be constructed as specified by the permit or attached plans and specifications .

This sewage disposal system construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon the direction of the Department.

Date: Nov 28, 1989 Issued by: [Signature] Sanitarian

Date: 2-8-90 Reviewed by: [Signature] Supervisory Sanitarian

This Construction Permit Valid until May 1993

If FHA or VA financing

Reviewed by Date _____ Date _____
Supervisory Sanitarian Regional Sanitarian