



**DELAWARE HEALTH
AND SOCIAL SERVICES**

DIVISION OF PUBLIC HEALTH

OFFICE OF DRINKING WATER
PHONE: (302) 741-8630
FAX: (302) 741-8631

Bob

July 29, 2005

TOWN OF BRIDGEVILLE

APPROVAL TO CONSTRUCT

Heritage Shores Clubhouse Connection
PWS #0000559
Approval #05W154

Mr. Nick Rocks
Passwaters Farm, L.L.C.
1960 Gallons Road, Suite 300
Vienna, VA 22182

Dear Mr. Rocks:

As provided by Section 22.211 of the *State of Delaware Regulations Governing Public Drinking Water Systems*, you are granted approval to connect Heritage Shores Phase 2I to the existing main in accordance with the plans submitted by Robert D. Rauch & Associates, Inc. The plans consist of:

1. Two copies of the hand-delivered sheets entitled "For the Proposed Clubhouse Heritage Shores" dated December 04 and revised July 2005.

These plans, as noted, are made a part of this approval. The Division of Public Health, Office of Drinking Water, looks forward to working with you to ensure the provision of potable water through proper operation and maintenance of this water system. This approval is granted subject to the enclosed list of conditions and the following change:

- Follow *Recommended Standards for Water Works 2003 Edition* for separation distances between sanitary sewer and water mains. If the minimum separation distances cannot be maintained, variances must be approved by the Office of Drinking Water with support data from the design engineer.

The Office of Drinking Water recommends detectable tracer tape that is three inches wide and blue in color to be installed directly above all water mains larger than two inches in diameter.

It is the owner's responsibility to ensure as-built drawings are maintained throughout all phases of construction. Prior to receiving an Approval to Operate, the Office of Drinking Water requires one set of as-built drawings, including profile markups.


1. The approval is void if construction has not been started by July 29, 2006.
2. The project shall be constructed in accordance with the approved plans and all required conditions listed in this Approval to Construct. If any changes are necessary, revised plans shall be submitted and a supplemental approval issued prior to the start of construction. As-built plans including profile mark-ups must be submitted to the Office of Drinking Water after construction has been completed.
3. Representatives of the Division of Public Health may inspect this project at any time during the construction.
4. The water system shall be operated in conformance with the *State of Delaware Regulations Governing Public Drinking Water Systems*.
5. All potable water lines and appurtenances shall be disinfected using one of the methods in the American Water Works Association Standard C651, current edition.
6. Water mains crossing sanitary and storm sewers should be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer, and the water main should be above the sewer. At crossings, one full length of water pipe should be located so both joints will be as far from the sewer as possible. Special structural support for the water and sewer pipes may be required. In cases where it is not practical to maintain an 18-inch separation, the Division may allow deviation on a case-by-case basis if supported by data from the design engineer.
7. Water mains should be laid 10 feet horizontally from any existing or proposed sanitary or storm sewers. The distance should be measured edge to edge. In cases where it is not practical to maintain a 10-foot separation, the Division may allow deviation on a case-by-case basis if supported by data from the design engineer.
8. Sufficient valves should be provided so that inconvenience and sanitary hazards will be minimized during repairs. Valves should be located at not more than 500-foot intervals in commercial districts and at not more than one block or 800-foot intervals in other districts.
9. Prior to usage of water from this new well, water plant, storage plant, or distribution system, approval for the water quality must be obtained from the Division of Public Health.
10. The water system should be capable of providing at least 25 psi at ground level at all times throughout the distribution system.
11. All plastic pipe utilized in this drinking water system shall be approved for potable water use (NSF-pw). If any piping is joined with solder or flux, the solder and flux shall be lead free (less than or equal to 0.2 percent lead).

12. All water lines should be buried to a depth of at least 3 feet.
13. A Certificate of Public Conveniences and Necessity should be acquired from the Public Service Commission, (302) 739-4247.
14. This approval is for the distribution system only. Plans and specifications for all well plumbing, pumps, storage (including any interior coatings), and treatment must be submitted to and approved by this office prior to their installation.
15. The approval is subject to immediate revocation upon violation of any of the preceding conditions.
16. All other local (county/city/town) approvals or permits needed must be obtained prior to beginning construction.
17. Upon completion of construction and before the system is placed into operation, a "Notice of Completion" must be submitted to the Office of Drinking Water. Before placing the system into operation, the following must be adhered to:
 - a. Submit a set of as-built plans with profile markups to the Office of Drinking Water.
 - b. Obtain an Approval to Operate from the Office of Drinking Water.

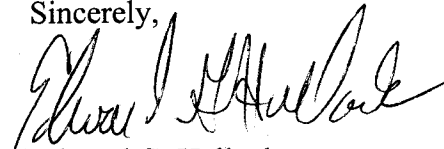
Mr. Nick Rocks
Passwaters Farm, L.L.C.
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I am sending one set of plans with a copy of this approval to Robert D. Rauch & Associates, Inc. that is signed and dated by the Office of Drinking Water. Should you have any questions regarding this matter, please feel free to contact Bill Milliken at (302) 741-8586.

Plans reviewed by:


William J. Milliken, Jr.
Engineer III
Office of Drinking Water

Sincerely,


Edward G. Hallock
Program Administrator
Office of Drinking Water

cc: Stewart Lovell, DNREC
Shane Abbott, Sussex County Planning & Zoning
Casey Rauch, Robert D. Rauch & Associates, Inc.
Douglas C. Jones, Bridgeville Water Department
Donna Stulir, ODW