

DEPARTMENT OF NATURAL RESOURCES OF MISSOURI
REPORTS ON PLANS AND SPECIFICATIONS OF A NEW WATER SYSTEM

Rockport
Well

Rockport Subdivision
Troy, Missouri
Review No. 62374-06

December 27, 2007

INTRODUCTION:

A final inspection of the new water supply serving Rockport Subdivision, Troy, Missouri, was conducted by Mr. James J. Hessel II of the Department of Natural Resources.

Plans and specifications were submitted for review and approval by Fitch & Associates, Consulting Engineers, Troy, Missouri.

BRIEF DESCRIPTION:

In general, these plans and specifications provide for a new water system consisting of a well, standpipe, and distribution piping.

This approval is only valid for 120 lots in Phase I of the development.

The well is located in the SW ¼, Section 13, T48N, R1W, Lincoln County. The well was drilled to a total depth of 1,490 feet and provided with 550 feet of 8-inch diameter casing. The annular space between the drill hole and the casing was filled with neat cement grout from the bottom upward in one continuous operation. A submersible pump having a capacity of 385 gallons per minute at 600 feet of TDH was installed. The well was provided with the necessary depth gauge, valves, discharge piping and other appurtenances as per detailed plans and specifications. The well was disinfected and samples were collected for bacteriological and chemical analyses.

The standpipe is located at the well site and is 15 feet in diameter by 110 feet in height with a capacity of 145,000 gallons. The standpipe was provided with the necessary air vent, overflow pipe, roof hatch, manway, valves, fittings and appurtenances as per detailed plans and specifications. The tank was painted, disinfected, and sampled for bacteriological analyses.

The distribution piping consists of approximately 10,500 lineal feet of 8-inch, 6-inch, and 4-inch Class 200 PVC pipe along with the necessary valves, fitting and appurtenances. The distribution system was disinfected and samples were collected for bacteriological analyses.

COMMENTS:

1. Prior to relinquishing continuing operating authority to the Rockport Subdivision Homeowner's Association, the department must be contacted so that a change in ownership of the system can be documented. This will allow the department to observe the condition of the system and also ensure that the homeowners' are made aware of the responsibilities that go along with owning, operating, and maintaining a water system. Until such time, the developer will be the continuing operating authority and will be responsible for all technical, managerial, and financial issues associated with the community water system.

2. The engineering report stated that the entire development will consist of 210 lots where Phase I will consist of 120 lots and Phase II the remaining 90 lots. Prior to serving Phase II, a second well will need to be drilled. The department will need to review and approve the plans and specifications at that time.

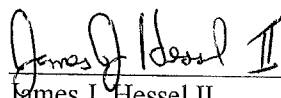
CONCLUSION:

The facility has been constructed in essentially the configuration approved and the equipment provided is as specified by the approved plans. This inspection is not a certification that the project and/or its component equipment will perform as represented by the engineer or the various equipment manufacturers or parts suppliers.

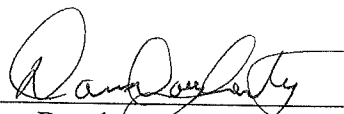
Should you have any questions regarding this report, please contact Mr. James J. Hessel II at the Department of Natural Resources, St. Louis Regional Office at 314-416-2960.

Inspected by:

Approved by:



James J. Hessel II
Environmental Specialist II
St. Louis Regional Office



Dan Daughtery
Drinking Water Unit Chief
St. Louis Regional Office

JJH/DJD/jh

FINAL APPROVAL

The completed water supply facilities described above were examined as to features of construction which may affect the operation of the facilities, including size, capacities of various units, and features which may affect the efficiency and ease of operation. The completed facilities, so far as could be determined, are constructed essentially in accordance with the approved plans, and final approval of the completed project is hereby granted.

In the final inspection of the facilities, the Department of Natural Resources does not examine structural features or the efficiency of mechanical equipment. This final approval does not include approval of these features. This inspection is not a certification that the project and/or its component equipment will perform as represented by the engineer, or the various equipment manufacturers or parts suppliers.

The Department reserves the right to withdraw the approval of the water supply facilities at anytime they are found to be operating unsatisfactorily, and to require alterations, additional treatment or changed methods of operation as deemed necessary to place the facilities in satisfactory condition.

MO 780-1234 (8-90)