

3031265

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Matt Blunt, Governor • Doyle Childers, Director



www.dnr.mo.gov

September 29, 2005

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PUBLIC DRINKING WATER PROGRAM

Mr. Reggie Golden
Folsom Ridge, L.L.C.
P.O. Box 54
Longmont, CO 80501

Missouri Public Service Commission

Dear Mr. Golden:

Enclosed is the report of final inspection of the Big Island Subdivision waterline replacement and extension project in Camden County, Missouri. This report is believed to be self-explanatory. If you have any questions, please feel free to contact Mr. Clinton J. Finn, P.E. of this office by calling 417-891-4300 or via mail at the Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Clinton J. Finn

Cynthia S. Davies
Interim Regional Director

CSD/cfb

Enclosure

c: Krehbiel Engineering
Public Drinking Water Branch
Water Pollution Control Branch

PR Exhibit No. 93
Case No(s) WC2005-0082/WD/2007-0277
Date 3-2-07 Rptr PE

CAMDEN/PDW
BIG ISLAND SUBD
MO-3031265
REVIEW #53303-04

DEPARTMENT OF NATURAL RESOURCES
REPORT OF FINAL INSPECTION OF PUBLIC WATER SUPPLY IMPROVEMENTS
BIG ISLAND SUBDIVISION
WATERLINE REPLACEMENT
CAMDEN COUNTY
PUBLIC WATER SUPPLY I.D. NO. 3031265
REVIEW NO. 53303-04

September 29, 2005

INTRODUCTION

On September 21, 2005, a final inspection was made of the Big Island Subdivision waterline replacement and extension in Camden County, Missouri. Mr. Clinton J. Finn, P.E. of the Missouri Department of Natural Resources Southwest Regional Office conducted the inspection.

PROJECT DESCRIPTION

The approved plans and specifications for this project include the construction of the proposed water main replacement of Phase I consisting of approximately 11,268 lineal feet of four-inch (4") PVC water mains; the proposed extension of Phase III consisting of four-inch (4") PVC water mains; the causeway encasement consisting of approximately 200 lineal feet of four-inch (4") PVC water mains encased inside an eight (8") PVC pipe, valves, fittings, and appurtenances. A more detailed as-built project description is shown on the enclosed summary sheet.

CONDITIONS OF APPROVAL

None.

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.

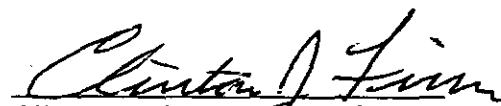
In the final inspection of the facilities, the Department of Natural Resources does not examine structural features or the efficiency of mechanical equipment. This final approval does not include approval of these features.

The department reserves the right to withdraw the approval of the water supply facilities at any time 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.

COMMENTS

1. Construction of the water mains did not conform to the approved plans and specifications. The location of the water mains and valves are not all the same as shown on the approved plans; however, it appears the changes will not effect the operation of the system. It is for this reason that as-built plans have been submitted. These plans provide the location and size of all water mains and valves for this extension. A set of these plans needs to be maintained by the water supply for future reference.
2. The originally approved plans for the Phase I extension indicated there would be a shut off valve at each water service connection. Consideration should be given to insure that each service connection has a shut off valve and that the valves are accessible and clearly labeled to indicate they are for water and not sewer.
3. Please be aware that existing homeowners have concerns about the location of the waterline on the causeway area in relation to the sewer line on the causeway. The concern is that because the waterline is down gradient of the sewer line, a leak in the sewer line could cause a greater potential for contamination to the waterlines. Even though the waterline installation meets the requirements of the department's design guide ten-foot horizontal separation, the placement of the lines do pose a greater risk than if the sewer lines were at a lower elevation than the waterlines. For this reason it is even more important to maintain positive pressure in the waterlines and for the system operator to know the increased potential for contamination if there is a pressure loss in the waterlines.
4. Please be aware that existing homeowners have concerns about the restoration of the grounds affected by this relocation project. Care should be given to the cleanup, grading and re-establishment of the areas that must be observed and sustained by current and future residents.

SUBMITTED BY:


Clinton J. Finn, P.E., Chief
Drinking Water Engineering and
Technical Assistance Unit