



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

Matt Blunt, Governor • Doyle Childers, Director

www.dnr.mo.gov

P.O. Box 176, Jefferson City, MO 65102  
573/751-5331

CI  
Camden Co.  
Big Island Subdivision  
Review No. 53658-05  
PWS ID # MO 3031265

September 22, 2005

Mr. Reggie Golden, Manager  
Big Island Subdivision  
P. O. Box 54  
Longmont, Colorado 80501

FILED<sup>2</sup>

APR 02 2007

Missouri Public  
Service Commission

Dear Mr. Golden:

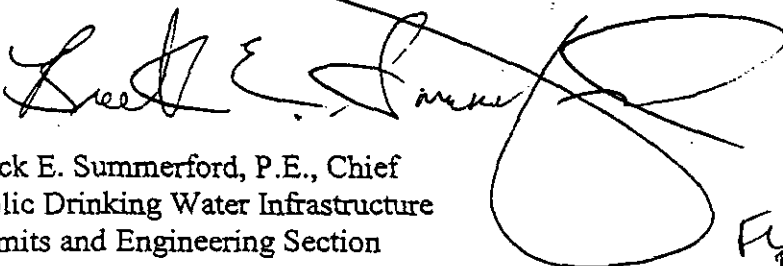
Enclosed is a Report on an Engineering Report, Plans, and Specifications for a waterline extension to serve 12 potential users for Big Island Subdivision, Camden County, Missouri, which I believe, is self-explanatory.

Please be advised this facility may be required to obtain other permits from the department. It is your responsibility to insure that any and all necessary permits for this facility have been obtained.

I trust that consideration will be given to the recommendation contained in the report.

Sincerely,

WATER PROTECTION PROGRAM



Breck E. Summerford, P.E., Chief  
Public Drinking Water Infrastructure  
Permits and Engineering Section

BES:cek

Enclosure

c: Krehbiel Engineering, Inc.  
Southwest Regional Office

Fusion  
RIDGE

Exhibit No.

82

Case No. WC 2006-0082/W02007-027

Date 3-2-07 Rptr PK

DEPARTMENT OF NATURAL RESOURCES  
OF MISSOURI

REPORT ON ENGINEERING REPORT, PLANS, AND  
SPECIFICATIONS FOR WATERLINE EXTENSION

BIG ISLAND SUBDIVISION  
CAMDEN COUNTY, MISSOURI

2 September 2005

Review No. 53658-05

INTRODUCTION

An engineering report, plans, and specifications for a waterline extension to serve 12 potential users for Big Island Subdivision, Camden County, Missouri were submitted for review and approval by Krehbiel Engineering, Inc., consulting engineers, Camdenton, Missouri.

BRIEF DESCRIPTION

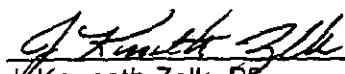
An engineering report for a waterline extension to serve 12 potential users for Big Island Subdivision Camden County, Missouri has been reviewed. The report was examined as to sanitary features which may affect the operation of the project, including size, capacities of units and factors which may affect efficiency and ease of operation. Approval of the engineering report as regards to these points is hereby given. This approval is valid for two years.

In general, these plans and specifications provide for a waterline extension consisting of approximately 850 lineal feet of 4 inch Class 200 PVC pipe. The necessary valves, fittings and appurtenances will be provided as per detailed plans and specifications. Before being placed in service, the waterline will be pressure tested, flushed, disinfected and sampled for bacteriological analyses.

RECOMMENDATION

This approval is valid only if the following recommendation is incorporated in the final construction of the above-described work:

1. Increase required depth of cover over pipe to at least 36 inches.

  
J. Kenneth Zelk, PE



APPROVAL TO CONSTRUCT

The engineering plans and specifications described above were examined as to sanitary features of design which may affect the operation of the sanitary works, including size, capacities of the units, and factors which may affect the efficiency and ease of operation. Approval as regards these points is hereby given.

Approval is given with the understanding that final inspection and approval of the completed works shall be made by the Department of Natural Resources before same is accepted and placed in operation. If construction is not commenced two (2) years after the date of issue or there is a halt in construction of more than two years, the approval to construct will be void unless an extension of time has been granted by the department.

In the examination of plans and specifications, the Department of Natural Resources, Public Drinking Water Program does not examine the structural features of design or efficiency of mechanical equipment. This approval does not include approval of these features.

The Department of Natural Resources, Public Drinking Water Program reserves the right to withdraw the approval of plans and specifications at any time it is found that additional treatment or alterations are necessary to assure reasonable operating efficiency and to afford adequate protection to public health.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
PUBLIC DRINKING WATER PROGRAM  
**APPLICATION FOR A CONSTRUCTION PERMIT**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

**DNR USE ONLY**

|            |         |
|------------|---------|
| REV. NO.   | 5365805 |
| DATE RECD. | 7-2805  |
| DATE APPD. |         |

**INSTRUCTIONS**

- A. Please type or print in ink.  
B. A completed and signed application form must accompany each set of plans and specifications that is submitted to the department for review and approval.  
C. No fee is required for a construction permit.  
D. Please direct inquiries to the above address or call (573) 751-5924.

1. NAME OF PROJECT (TYPE OF CONSTRUCTION, FOLLOWED BY EITHER THE NAME OF DEVELOPMENT, CITY, WATER DISTRICT OR OTHER.)

**Waterline extension**

**NOTE FOR NUMBER 2** ► FOR A SOLE PROPRIETORSHIP – THE NAME OF THE PROPRIETOR, FOR A CORPORATION – THE NAME OF AN OFFICER OF AT LEAST THE LEVEL OF A PLANT MANAGER; FOR A PARTNERSHIP – THE NAME OF A PRINCIPAL PARTNER; FOR A CITY, STATE, FEDERAL OR OTHER PUBLIC FACILITY – THE NAME OF EITHER A PRINCIPAL EXECUTIVE OFFICER OR A RANKING PUBLIC OFFICIAL.

2. OWNER OR OFFICIAL CUSTODIAN

**FOLSOM RIDGE, LLC c/o REGGIE GOLDEN**

TELEPHONE NUMBER

**(303)702-0708**

ADDRESS

**P.O. BOX 54**

CITY

**LONGMONT**

STATE

**CO**

ZIP CODE

**80501**

3. LIST OF DOCUMENTS SUBMITTED (CHECK APPROPRIATE BOX OR BOXES. TWO SETS ARE REQUIRED FOR EACH DOCUMENT.)

☒ ENGINEERING REPORT\*

IF THE REPORT IS APPROVED, WRITE THE  
REVIEW NUMBER OF THE REPORT \_\_\_\_\_

☒ DETAILED PLANS\*

☒ TECHNICAL SPECIFICATIONS\*

☒ LAYOUT MAP\*

☒ HYDRAULICS ANALYSIS\*

☐ PRODUCT/EQUIPMENT LITERATURE

☐ LETTER OF ACCEPTANCE FROM SUPPLY SOURCE

☐ OPERATION AND MAINTENANCE MANUAL

☐ OTHER (SPECIFY) \_\_\_\_\_

\*MUST BE AFFIXED WITH THE PROFESSIONAL ENGINEER'S SEAL.

4. PROJECT IS FOR

☐ DEVELOPMENT OF NEW WATER-SUPPLY SYSTEM

☒ MODIFICATION OF EXISTING WATER-SUPPLY SYSTEM

5. SCOPE OF THE PROJECT (DESCRIBE THE PROJECT COMPLETELY. ATTACH ADDITIONAL SHEETS IF NECESSARY.)

**It is proposed to construct a waterline extension along a newly constructed roadway that will serve approximately 12 potential users.**

**The waterline will consist of approximately 850 feet of 4" PVC waterline.**

6. LOCATION OF PROJECT: U.S. GEOLOGICAL SURVEY LOCATION SOUTH 1/2 S 1/2 X, SECTION 1, T 38N, R 18W  
COUNTY, MISSOURI NORTH 1/2 N 1/2 12 38N 18W

MAILING ADDRESS (IF OUTSIDE CITY BOUNDARIES, INCLUDE NAME OF NEAREST CITY.)

**SAME AS ABOVE**

7. PROPOSED WATER-SUPPLY SOURCE

☐ WELL OR WELLS

☐ STREAM, RIVER, LAKE, OR RESERVOIR (TWO-STATE TREATMENT IS REQUIRED)

☒ EXISTING WATER-SUPPLY SYSTEM

IDENTIFICATION NUMBER **MO3031265 BIG ISLAND SUBDIVISION**

NAME OF OWNER OR OFFICIAL CUSTODIAN **FOLSOM RIDGE, LLC c/o REGGIE GOLDEN**

ADDRESS **P.O. BOX 54**

CITY

**LONGMONT**

STATE **CO**

ZIP CODE **80501**

TELEPHONE **(303)702-0708**

LINE SIZE AT POINT OF CONNECTION **4" PVC**

AVAILABLE FLOW AND PRESSURE **40gpm at 60 psi**

☐ OTHER (SPECIFY) \_\_\_\_\_

## 8. WATER LINES

☐ COMPLETE DISTRIBUTION SYSTEM☐ WATER LINE RELOCATION/REPLACEMENT☒ WATER LINE EXTENSION☐ OTHER (SPECIFY) \_\_\_\_\_

## 9. PROPOSED TREATMENT PROVIDED

☐ CLARIFICATION☐ PRE-SEDIMENTATION☐ CHEMICAL RAPID MIXING☐ FLOCCULATION☐ SEDIMENTATION☐ FILTRATION☐ OTHERS (SPECIFY) \_\_\_\_\_☐ SOFTENING☐ LIME OR LIME-SODA PROCESS☐ ION EXCHANGE PROCESS☐ IRON AND MANGANESE REMOVAL☐ OXIDATION-DETENTION-FILTRATION☐ LIME/LIME-SODA SOFTENING PROCESS☐ ION EXCHANGE☐ MANGANESE GREENSAND FILTRATION☐ SEQUESTRATION BY CHEMICALS☐ OTHERS (SPECIFY) \_\_\_\_\_☐ RADIONUCLIDE REMOVAL☐ THM CONTROL☐ VOC REMOVAL☐ TASTE AND ODOR CONTROL☐ STABILIZATION☒ DISINFECTION  
CHEMICALS USED **Chlorine**

CONTACT TIME \_\_\_\_\_

☐ FLUORIDATION☐ OTHERS (SPECIFY) \_\_\_\_\_

## 10. STORAGE

DIMENSION **3-12'HIGHx8'DIA**CAPACITY **13,500 GALLONS - Existing**☒ GROUND-LEVEL STORAGE TANK☐ ELEVATED STORAGE TANK☒ STANDPIPE **Proposed**☐ PRESSURE TANK☐ OTHERS (SPECIFY) \_\_\_\_\_

## 11. PUMPING

NUMBER OF PUMPS **2**CAPACITY/PUMP **100 GPM**☐ LOW SERVICE PUMPING☒ BOOSTER PUMPING☐ HIGH SERVICE PUMPING☐ OTHER (SPECIFY) \_\_\_\_\_

## 12. WASTE DISPOSAL FACILITIES

NUMBER OF UNITS \_\_\_\_\_

CAPACITY/UNIT \_\_\_\_\_

☐ PUMPS AND PIPING☐ TREATMENT UNIT☐ HOLDING STRUCTURES☐ OTHER (SPECIFY) \_\_\_\_\_

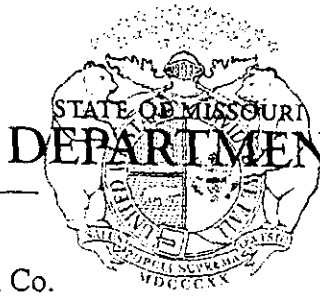
FINAL DISPOSAL OF SLUDGE \_\_\_\_\_

## 13. OTHER WATER WORKS (SPECIFY)

I CERTIFY THAT THE INFORMATION ENTERED IN THIS APPLICATION IS TRUE TO THE BEST OF MY KNOWLEDGE AND IF GRANTED A PERMIT, THE CONSTRUCTION OF THIS PROJECT WILL BE IN ACCORDANCE WITH THE FINAL PLANS AND SPECIFICATIONS APPROVED BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.

SIGNATURE OF OWNER OR OFFICIAL CUSTODIAN

DATE



Matt Blunt, Governor • Doyle Childers, Director

## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.mo.gov](http://www.dnr.mo.gov)

P.O. Box 176, Jefferson City, MO 65102  
573/751-5331

AR  
Camden Co.  
Big Island Subdivision  
Review No. 53658-05  
PWS ID # MO 3031265

August 29, 2005

Mr. Reggie Golden, Manager  
Big Island Subdivision  
P. O. Box 54  
Longmont, Colorado 80501

Dear Mr. Golden:

We are advising that detailed plans, specifications and an engineering report for a waterline extension to serve 12 potential users for Big Island Subdivision, Camden County, Missouri, were submitted by Krehbiel Engineering, Inc., consulting engineers, Camdenton, Missouri, on July 28, 2005. Please make reference to Review Number 53658-05 when submitting documents pertinent to this proposal.

In an effort to further expedite our permit review process, these documents will be carefully reviewed as soon as possible by our contracted private consultant. Our consultant will process the documents and discuss possible changes or necessary additions to the submittal with your engineers.

Regulations provide that our approval of the project must be secured in writing before construction work is started. This approval is your assurance that the proposed work complies with requirements of this Division.

You will receive copies of our report and approval of the documents for the proposed work, and this report will serve as your authorization to award contracts and begin construction.

Please be advised this facility may be required to obtain other permits from the department. It is your responsibility to insure that any and all necessary permits for this facility have been obtained.

Sincerely,

WATER PROTECTION PROGRAM

Breck E. Summerford, P.E., Chief  
Public Drinking Water Infrastructure  
Permits and Engineering Section

BES:cek

c: Krehbiel Engineering, Inc.  
Southwest Regional Office

CWM  
8-31-05  
*[Signature]*



July 25, 2005

Mr. Breck Summerford, P.E.  
Infrastructure Permits & Engineering Section  
P.O. Box 176  
Jefferson City, MO 65102

Re: NOV # 11210SW  
June 28, 2005  
Big Island Subdivision  
Camden County, Missouri

Dear Mr. Summerford:

In compliance with the above referenced, we are submitting the items called for under paragraph three for an approximate 850 feet waterline extension that was installed without prior authorization.

If you have any questions or comments, please don't hesitate to contact me.

Respectfully,

A handwritten signature in black ink, appearing to read 'David Krehbiel', is written over the word 'Respectfully,'.

David Krehbiel, P.E., P.L.S.

CC: Ms. Cynthia Davies, Chief  
Mr. Clinton Finn, P.E.

Date Rec'd 7-28-05 Plan # 53658-05

Water Protection Program  
Public Drinking Water Branch

**KREHBIEL ENGINEERING, INC.**

63 BLAIR AVENUE POST OFFICE BOX 587 CAMDENTON, MISSOURI 65020  
573-346-5316 FAX 573-346-3851 info@krehbielengineering.com www.krehbielengineering.com