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STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
P.O. Box 176 Jefferson City, MO 65102-0176

CI
Camden Co.
Big Island Homeowners Assn.
Big Island West Subdivision
Review No. 31337-00
~~PWS ID # MO-3031265~~

FILED²

APR 02 2007

Missouri Public
Service Commission

March 7, 2000

Mr. David Lees, President
Big Island Homeowners Association
Big Island West Subdivision
HCR 67 Box 680
Roach, Missouri 65787

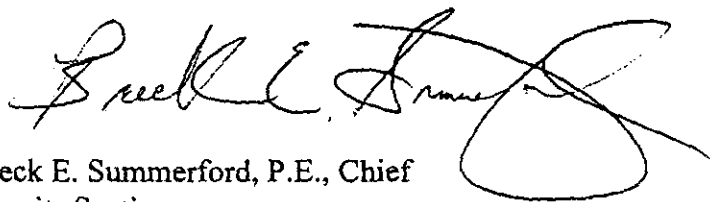
Dear Mr. Lees:

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

Please be advised, this facility may be required to obtain other permits from the Water Pollution Control Program. It is your responsibility to insure that any and all necessary permits for this facility have been obtained. You should apply directly to that program for any necessary permits.

Sincerely,

PUBLIC DRINKING WATER PROGRAM


Breck E. Summerford, P.E., Chief
Permits Section

BES:ctd

Enclosure

c: Lake Professional Engineering Services, Inc.
Jefferson City Regional Office

Fulson Ridge
Exhibit No. 80
Case No(s) WC-2006-0087 / WD-2007-027
Date 3-2-07 Rptr PR

**DEPARTMENT OF NATURAL RESOURCES
OF MISSOURI**

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

**BIG ISLAND HOMEOWNERS ASSOCIATION
CAMDEN COUNTY, MISSOURI**

6 March 2000

Review No. 31337-00

INTRODUCTION

An engineering report, plans, and specifications for a waterline extension for Big Island West Subdivision, Big Island Homeowners Association, Camden County, Missouri were submitted for review and approval by Lake Professional Engineering Services, Inc., consulting engineers, Camdenton, Missouri.

BRIEF DESCRIPTION

An engineering report for a waterline extension to serve Big Island West Subdivision 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 4500 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.


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 178
JEFFERSON CITY, MO 65102

DNR USE ONLY

REV. NO.	31337-00
DATE RECD.	1-31-2000
DATE APPD.	

INSTRUCTIONS

- Please type or print in ink.
- A completed and signed application form must accompany each set of plans and specifications that is submitted to the department for review and approval.
- No fee is required for a construction permit.
- 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.)

WATER LINE EXTENSION FOR BIG ISLAND WEST SUBDIV.

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

TELEPHONE NUMBER

BIG ISLAND HOMEOWNERS ASSOC.

573-346 6158

ADDRESS

CITY

STATE

ZIP CODE

HCR 67 Box 680

ROACH

MO

65787

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.)

CONSTRUCT APPROX 4,500 FEET OF 4" WATER LINES - CONNECT
AT BOTH ENDS TO EXISTING LINES TO COMPLETE LOOP.
CONNECT NEW 4" W/L TO EXISTING WATER LINE NEAR
WELL & STORAGE TANKS. PROVIDE CONNECTIONS FOR ALL
39 LOTS.

6. LOCATION OF PROJECT:

U.S. GEOLOGICAL SURVEY LOCATION
COUNTY, MISSOURI

NW x SW x SECTION 6 T 38N R 17W

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

HCR 67, Box 680, ROACH, MO. 65787

7. PROPOSED WATER-SUPPLY SOURCE

☐ WELL OR WELLS

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

☒ EXISTING WATER-SUPPLY SYSTEM

IDENTIFICATION NUMBER

IN PROCESS OF BEING APPROVED BY MDNR

NAME OF OWNER OR OFFICIAL CUSTODIAN

BIG ISLAND HOMEOWNERS ASSOC.

ADDRESS

HCR 67 Box 680

CITY

ROACH

STATE

MO

ZIP CODE

65787

TELEPHONE

LINE SIZE AT POINT OF CONNECTION

4"

AVAILABLE FLOW AND PRESSURE

150 GPM - 32 psi (min) - 52 (max)

☐ OTHER (SPECIFY)

8. WATER LINES

☐ COMPLETE DISTRIBUTION SYSTEM☒ WATER LINE EXTENSION☐ WATER LINE RELOCATION/REPLACEMENT☐ 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 _____

CONTACT TIME _____

☐ FLUORIDATION☐ OTHERS (SPECIFY) _____

10. STORAGE

EXISTING DIMENSION _____☐ GROUND-LEVEL STORAGE TANK☐ ELEVATED STORAGE TANK☐ STANDPIPE

CAPACITY _____

☐ PRESSURE TANK☐ OTHERS (SPECIFY) _____

11. PUMPING

NUMBER OF PUMPS _____

☐ LOW SERVICE PUMPING☐ BOOSTER PUMPING

CAPACITY/PUMP _____

☐ HIGH SERVICE PUMPING☐ OTHER (SPECIFY) _____

12. WASTE DISPOSAL FACILITIES

NUMBER OF UNITS _____

☐ PUMPS AND PIPING☐ TREATMENT UNIT*EXISTING
SAND FILTER*

CAPACITY/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

1/27/2000

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Mel Carnahan, Governor • Stephen M. Mahfood, Director

DIVISION OF ENVIRONMENTAL QUALITY

P.O. Box 176 Jefferson City, MO 65102-0176

AR
Camden Co.
Big Island Homeowners Association
Big Island West Subdivision
Review No. 31337-00
PWS ID # MO 3031265

February 18, 2000

Mr. David Lees, President
Big Island Homeowners Association
Big Island West Subdivision
HCR 67 Box 680
Roach, Missouri 65787

Dear Mr. Lees:

We are advising that detailed plans, specifications and an engineering report for a waterline extension for Big Island West Subdivision, Big Island Homeowners Association, Camden County, Missouri, were submitted by Lake Professional Engineering Services, Inc., consulting engineers, Camdenton, Missouri, on January 31, 2000. Please make reference to Review Number 31337-00 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.

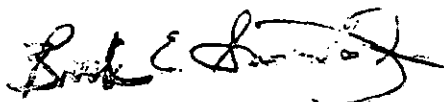
Regulations provide that our approval of the project must be secured in writing before construction work is started. This approval is your assurance that the proposed work complies with requirements of this Division.

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 Water Pollution Control Program. It is your responsibility to insure that any and all necessary permits for this facility have been obtained. You should apply directly to that program for any necessary permits.

Sincerely,

PUBLIC DRINKING WATER PROGRAM



Breck E. Summerford, P.E., Chief
Permits Section

BES:ctd

c: Lake Professional Engineering Services, Inc.
Jefferson City Regional Office

Handwritten initials and date:
CWM
2-28-00
[Signature]

LAKE PROFESSIONAL ENGINEERING SERVICES, INC.

CONSULTING ENGINEERS

P.O. Box 27

Camdenton, Mo. 65020

JAMES O. JACKSON, P. E. 573-480-0508 - BOWDEN CAMPBELL, EIT 573-480-7100
573-873-3898

January 24, 2000

Mr. Breck Summerford, P.E., Chief
Permits Section
Public Drinking Water Program
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102

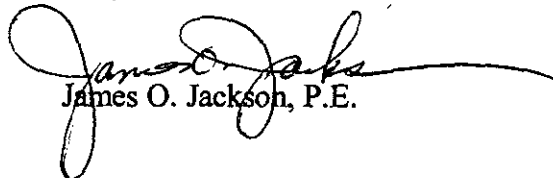
RE: Water Line Extension for Big Island West

Dear Mr. Summerford:

Attached are two copies of the Application For a Construction Permit, the engineering report, detailed specifications, plans (including a layout map), calculations and a map showing the location of the project. This project will furnish to water the proposed subdivision.

If you have any questions please feel free to contact me.

Respectfully Submitted,



James O. Jackson, P.E.

Enclosures

Date Rec'd 1-31-2000 Plan # 31337-00
Public Drinking Water Program
Division of Environmental Quality