



Jeremiah W. (Jay) Nixon, Governor • Harry D. Bozoian, Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

NOV 14 2016

Mr. Edward Zigarowicz, III
Rowles Development LLC
13100 Manchester Rd., Suite 65
St. Louis, MO 63131

RE: Arlington Heights Phase One—Rock Creek Public Sewer District, Kimmswick
Wastewater Treatment Plant, MO0106461, Construction Permit No. CPSE01020
Jefferson County, Construction Permit Time Extension

Dear Mr. Zigarowicz:

The Missouri Department of Natural Resources' Water Protection Program received a construction permit extension request on November 1, 2016, for Rowles Development LLC. The request for additional time for Construction Permit Number CPSE01020 has been granted for a period of 24 months and will expire February 22, 2019. This permit extension authorizes construction of the facilities described on the permit dated February 23, 2015. This construction permit extension does not supersede any requirements of the operating permit or enforcement actions.

In accordance with 10 CSR 20-6.010(4)(G), the department can only grant time extensions once. Thus, if the project is not complete by February 22, 2019, the applicant must submit a new construction permit application and fee.

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to 10 CSR 20-1.020 and Section 621.250, RSMo. To appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition

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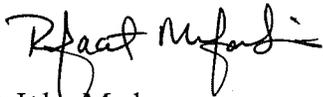
is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC. Contact information for the AHC is: Administrative Hearing Commission, United States Post Office Building, Third Floor, 131 West High Street, P.O. Box 1557, Jefferson City, MO 65102, Phone: 573-751-2422, Fax: 573-751-5018, and Website: www.oa.mo.gov/ahc.

If you have any questions concerning this matter, please contact Mr. Andrew Appelbaum, of the Water Protection Program, at 314-416-2062 or Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102.

Thank you for your efforts to help ensure clean water in Missouri.

Sincerely,

WATER PROTECTION PROGRAM



 John Madras
Director

JM:aak

Enclosure

c: Mr. Eugene A. Fribis, P.E., Fribis Engineering Inc.
Rock Creek Public Sewer District
St. Louis Regional Office

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

The Missouri Department of Natural Resources hereby issues a permit to:

Rolwes Development, LLC
13100 Manchester Rd., Suite 65
St. Louis, MO 63131

for the construction of (described facilities):

See attached.

Permit Conditions:

See attached.

Construction of such proposed facilities shall be in accordance with the provisions of the Missouri Clean Water Law, Chapter 644, RSMo, and regulation promulgated thereunder, or this permit may be revoked by the Department of Natural Resources (Department).

As the Department does not examine structural features of design or the efficiency of mechanical equipment, the issuance of this permit does not include approval of these features.

A representative of the Department may inspect the work covered by this permit during construction. Issuance of a permit to operate by the Department will be contingent on the work substantially adhering to the approved plans and specifications.

This permit applies only to the construction of water pollution control components; it does not apply to other environmentally regulated areas.

February 23, 2015
Effective Date

February 22, 2017
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

John Madras, Director, Water Protection Program

CONSTRUCTION PERMIT

COLLECTION SYSTEM:

This project consists of the installation and construction of approximately 3720 linear feet of 8-inch (8") polyvinyl chloride (PVC) Standard Dimension Ratio (SDR)-35 gravity sewer lines with approximately 24 manholes and all the necessary appurtenances to make a complete and usable wastewater collection system to serve an estimated 42 single family homes with an estimated design average flow of 15,540 gallons per day. The project will also include general site work appropriate to the scope and purpose of the project.

These sewers will serve 38 homes in Phase One of Arlington Heights Subdivision, and includes off-site sewers which will also serve 4 existing homes. These activities will be in the vicinity of East Rock Creek Road and Edmar Road in Jefferson County, and discharge to an existing sewer system with waste to be treated at the Rock Creek Public Sewer District, Kimmswick Wastewater Treatment Plant, Missouri State Operating Permit No. MO0106461. Mr. Don Daniel, Director, with Rock Creek Public Sewer District provided an acceptance letter dated January 12, 2015.

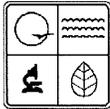
PERMIT CONDITIONS:

1. All construction shall be in accordance with the plans and specifications submitted by Fribis Engineering Inc. as follows:
 - Plans and Specifications for off-site sewers received on January 21, 2015 and signed and sealed by Eugene A. Fribis, P.E. on October 24, 2014.
 - Plans and Specifications for Arlington Heights Phase One sewers received on January 21, 2015 and signed and sealed by Eugene A. Fribis, P.E. on January 19, 2015.
2. The department must be contacted in writing prior to making any changes to the approved plans and specifications that would directly or indirectly have an impact on the capacity, flow, system layout, or reliability of the proposed wastewater treatment facilities or any design parameter that is addressed by 10 CSR 20-8, in accordance with 10 CSR 20-8.110(8).
3. State and Federal Law does not permit bypassing of raw wastewater, therefore steps must be taken to ensure that raw wastewater does not discharge during construction. If a sanitary sewer overflow or bypass occurs, report the appropriate information to the department's St. Louis Regional Office per 10 CSR 20-7.015(9)(E)2.
4. This Construction Permit is invalid for projects required to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans".
5. Protection of drinking water supplies shall be in accordance with 10 CSR 20-8.120(10). "There shall be no physical connections between a public or private potable water supply system and a sewer, or appurtenance thereto which would permit the passage of any wastewater or polluted water into the potable supply. No water pipe shall pass through or come in contact with any part of a sewer manhole."

- A. Sewers in relation to water works structures shall meet the requirements of 10 CSR 23-3.010 with respect to minimum distances from public water supply wells or other water supply sources and structures.
 - B. Sewer mains shall be laid at least ten feet (10') horizontally from any existing or proposed water main. The distances shall be measured edge-to-edge. In cases where it is not practical to maintain a ten foot (10') separation, the department may allow a deviation on a case-by-case basis, if supported by data from the design engineer. Such a deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on either side of the sewer and at an elevation so the bottom of the water main is at least 18 inches above the top of the sewer. If it is impossible to obtain proper horizontal and vertical separation as described above for sewers, the sewer must be constructed of slip-on or mechanical joint pipe or continuously encased and be pressure tested to 150 pounds per square inch to assure water tightness.
 - C. Manholes should be located at least ten feet (10') horizontally from any existing or proposed water main.
 - D. Sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to maintain line and grade. When it is impossible to obtain proper vertical separation as stipulated above, one (1) of the following methods must be specified:
 - 1) The sewer shall be designed and constructed equal to the water pipe and shall be pressure tested to assure water tightness prior to backfilling; or
 - 2) Either the water main or sewer line may be continuously encased or enclosed in a watertight carrier pipe which extends ten feet (10') on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be of materials approved by the department for use in water main construction.
6. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of one (1) acre or more to obtain a Missouri State Operating Permit to discharge stormwater. The permit requires Best Management Practices sufficient to control runoff and sedimentation to protect waters of the state. Land disturbance permits may only be obtained by means of the department's ePermitting system available online at www.dnr.mo.gov/env/wpp/epermit/help.htm. See www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm for more information.

7. A United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) issued by the department or permit waiver may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied. If construction activity will disturb any land below the ordinary high water mark of Jurisdictional Waters of the U.S. then a 404/401 will be required. Since the COE makes determinations on what is jurisdictional, you must contact the COE to determine permitting requirements. You may call the department's Water Protection Program at 573-751-1300 for more information. See www.dnr.mo.gov/env/wpp/401/ for more information.
8. In accordance with 10 CSR 20-6.010(6)(B), submit the enclosed form Application for Letter of Authorization – Sewer Extension to the department following completion of construction. Submit an electronic copy of the as-built drawings with this form if the project was not constructed in accordance with previously submitted plans and specifications.
9. Upon completion of construction, the Rock Creek Public Sewer District will become the continuing authority for operation, maintenance, and modernization of these facilities.

Andrew G. Appelbaum, P.E.
Engineering Section
andy.appelbaum@dnr.mo.gov



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM
**APPLICATION FOR CONSTRUCTION PERMIT –
 SEWER EXTENSION**

FOR DEPARTMENT USE ONLY	
APP NO. AP 20490	CP NO. CP5E01020
FEE RECEIVED \$300.00	CHECK NO. 1580
DATE RECEIVED 1-21-2015	

NOTE ► PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM

1.0 APPLICATION INFORMATION (Note – If any of the questions in this section are answered NO, this application may be considered incomplete and returned.)

- 1.1 Is this a Federal/State funded project? YES N/A Funding Agency: _____ Project #: _____
- 1.2 Has the Department of Natural Resources approved the proposed project's engineering report*?
 YES Date of Approval: _____ NO N/A
- 1.3 Is a copy of the appropriate plans* and specifications* included with this application? YES NO
- 1.4 Is a summary of design* included with this application? YES NO
- 1.5 Is the appropriate fee included with this application? (See instructions for appropriate fee.) YES NO

* Must be affixed with a Missouri registered professional engineer's seal, signature and date.

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT

Arlington Heights

ADDRESS

E. Rock Creek Rd. and Edmar Rd.

CITY

Arnold

STATE

MO

ZIP CODE

63010

COUNTY

Jefferson

2.2 Legal Description: ¼, ¼, SW ¼, Sec. 35, T 43N, R 5E

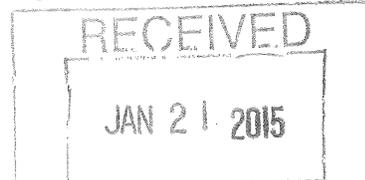
2.3 Project Components (check all that apply):

- Gravity sewers Pumping stations Force mains Alternative sewer system Other (Describe below.)

2.4 PROJECT DESCRIPTION

3,725 linear feet of 8" sanitary will be installed to service 38 homes in new Arlington Heights subdivision and 4 existing homes on East Rock Creek Road.

MO DEPT. NATURAL RESOURCES
 St. Louis Regional Office
 Fee Received \$300.00
 Date. 1-21-2015



MO DEPT. NATURAL RESOURCES
 ST. LOUIS REGIONAL OFFICE

2.5 DESIGN INFORMATION

A. Population or number of lots to be served by this extension: 42 Lots

B. Estimated flow to be contributed by this extension: Design Average Flow: 15540 gpd Design Peak Hourly Flow: 2600 gph

C. Industrial Wastes: Type: _____ Flow: _____ gpd

D. Receiving Sewer: Size: 8 inches Capacity: 700 gpm

3.0 PROJECT OWNER

NAME

Rolwes Development LLC

TELEPHONE NUMBER WITH AREA CODE

(314) 821-9600

E-MAIL ADDRESS

edz@rolwesco.com

ADDRESS

13100 Manchester Rd Suite 65

CITY

St. Louis

STATE

MO

ZIP CODE

63131

4.0 CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the wastewater collection system.

NAME

Rock Creek Public Sewer District

TELEPHONE NUMBER WITH AREA CODE

(636) 464-3305

E-MAIL ADDRESS

dondaniel@rockcreekpsd.com

ADDRESS

4133 West Outer Rd

CITY

Arnold

STATE

MO

ZIP CODE

63010

4.1 A letter from the continuing authority, if different than the owner, is included with this application. YES NO N/A

5.0 ENGINEER

ENGINEER NAME / COMPANY NAME

Fribis Engineering

TELEPHONE NUMBER WITH AREA CODE

(636) 464-3610

E-MAIL ADDRESS

gfribis@fribis.com

ADDRESS

3610 Jeffco Blvd. Suite 100

CITY

Arnold

STATE

MO

ZIP CODE

63010

6.0 RECEIVING WASTEWATER TREATMENT FACILITY

NAME Kimmswick Treatment Plant	TELEPHONE NUMBER WITH AREA CODE (636) 461-2578	E-MAIL ADDRESS jason5@rockcreekpsd.com
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MISSOURI STATE OPERATING PERMIT # MO-0106461	REMAINING CAPACITY (GPD) 2,063,822
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6.1 Has the receiving treatment facility agreed to accept the additional wastewater flow? YES NO

6.2 A letter from the receiving wastewater treatment facility, if different than the continuing authority, is included with this application.
 YES NO N/A

7.0 PROJECT OWNER: I hereby certify that I am familiar with the information contained in this application and to the best of my knowledge and belief such information is true, complete, and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders, and decisions, subject to any legitimate appeal available to applicant under Missouri Clean Water Law.

PROJECT OWNER SIGNATURE


PRINTED NAME Edward Zigarowicz III (Relues Development)	DATE 1/19/15
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TITLE OR CORPORATE POSITION Law Mgr.	TELEPHONE NUMBER WITH AREA CODE (314) 821-9600	E-MAIL ADDRESS edz@reluesco.com
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Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM
 P.O. BOX 176
 JEFFERSON CITY, MO 65102-0176