

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Ryan G'Sell Investments, LLC.
Birchwood Estates
1831 W. Main Street
Festus, MO 63028

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.

June 21, 2019
Effective Date

April 9, 2021
Modification Date


Edward B. Galbraith, Director, Division of Environmental Quality

July 1, 2023
Expiration Date


Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

COLLECTION SYSTEM:

Birchwood Estates-Construction of approximately 9,000 lf of 8-inch PVC SDR-26 gravity sewer lines with approximately 51 manholes to serve a 178 homes with a design PE of 658 and a design average flow of 65,860 gpd. The receiving sewer is 8 inches. The project will also include general site work appropriate to the scope and purpose of the project.

Project is in the vicinity of West Main Street and Midmeadow Lane in Festus, Jefferson County and discharges to an existing system to be treated at Festus Interim West lagoon, MO-0122777. Festus Interim West currently has a sewer construction permit, MOGC00458, to connect to Festus/Crystal City WWTF, MO-0080632. Mr. Matt Clemens, Public Works Director with the City of Festus provided a continuing authority acceptance letter dated June 19, 2019.

PERMIT CONDITIONS:

1. Contact the department's St. Louis regional office 48 hours prior to starting construction. Contact information can be found at <http://dnr.mo.gov/regions/regions.htm>.
2. This permit authorizes the activities and scope of work detailed in the plans and specifications submitted with the request. This construction permit does not authorize discharge.
3. All construction shall be consistent with the plans and specifications signed and sealed by Heneghan and Associates, Inc. and as described in this permit.
4. 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 regional office per 10 CSR 20-7.015(9)(E)2.
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.

PERMIT CONDITIONS: (continued)

- 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 shall be located with the top access at or above grade level.
- D. Manholes should be located at least ten feet (10') horizontally from any existing or proposed water main.
- E. 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 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 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 will 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.

PERMIT CONDITIONS: (continued)

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. Upon completion of construction:
 - A. The City of Festus will become the continuing authority for operation and maintenance of these facilities;
 - B. Submit an electronic copy of the as builts if the project was not constructed in accordance with previously submitted plans and specifications; and
 - C. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N).

CONSTRUCTION PERMIT MODIFICATION

This construction permit is being modified upon the request to extend the construction permit schedule. The construction permit will now expire on July 1, 2023.

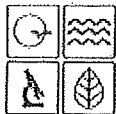
NOTICE OF RIGHT TO APPEAL

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to 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 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. Any appeal should be directed to:

Administrative Hearing Commission
U.S. Post Office Building, Third Floor
131 West High Street, P.O. Box 1557
Jefferson City, MO 65102-1557
Phone: 573-751-2422
Fax: 573-751-5018
Website: <https://ahc.mo.gov>

Leasue Meyers, EI
Engineering Section
leasue.meyers@dnr.mo.gov

John Rustige, P.E.
Engineering Section
john.rustige@dnr.mo.gov



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

RECEIVED

MAY - 6 2019

Water Protection Program

MOGCO0514
AP32407

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED \$300.00	CHECK NO. 3017
DATE RECEIVED 5-6-19	

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 or JetPay confirmation included with this application? ☒ YES ☐ NO
See Section 7.0

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

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT

Birchwood Estates

ADDRESS

1831 W Main Street

CITY

Festus

STATE

MO

ZIP CODE

63028

COUNTY

Jefferson

2.2 Legal Description: $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{4}$, Sec. 12, T 40 N, R 5 E

2.3 Project Components (check all that apply):

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

2.4 PROJECT DESCRIPTION

8713 linear feet of 8" sanitary sewer will be installed to service 178 homes in a new Birchwood Estates subdivision.

2.5 DESIGN INFORMATION

- A. Population or number of lots to be served by this extension: 178 Lots
- B. Estimated flow to be contributed by this extension: Design Average Flow: 65860 gpd Design Peak Hourly Flow: 10977 gph
- C. Industrial Wastes: Type: _____ Flow: _____ gpd
- D. Receiving Sewer: Size: 8 inches Capacity: _____ gpm


3.0 PROJECT OWNER

NAME Ryan G'Sell Investments LLC	TELEPHONE NUMBER WITH AREA CODE (636) 282-9122	E-MAIL ADDRESS Ryan@gsellcontracting.com
ADDRESS 1516 Imperial Professional Parc	CITY Imperial	STATE MO
		ZIP CODE 63052

4.0 CONTINUING AUTHORITY: A continuing authority is a company, business, entity or person(s) that will be operating the facility and/or ensuring compliance with the permit requirements. A continuing authority is not, however, an entity or individual that is contractually hired by the permittee to sample or operate and maintain the system for a defined time period, such as a certified operator or analytical laboratory. To access the regulatory requirement regarding continuing authority, 10 CSR 20-6.010(2), please visit <https://s1.sos.mo.gov/cmsimages/adrules/csr/current/10csr/10c20-6.pdf>. A continuing authority's name must be listed exactly as it appears on the Missouri Secretary of State's (SoS's) webpage: <https://bsd.sos.mo.gov/BusinessEntity/BEsearch.aspx?SearchType=0>, unless the continuing authority is an individual(s), government, or otherwise not required to register with the SoS.

NAME City of Festus	TELEPHONE NUMBER WITH AREA CODE (636) 937-6646	E-MAIL ADDRESS
ADDRESS 950 N Fifth Street	CITY Festus	STATE MO
		ZIP CODE 63028

4.1 A letter from the continuing authority or the Continuing Authority and Receiving Wastewater Treatment Facility Acceptance form, if different than the owner, is included with this application. ☒ YES ☐ NO ☐ N/A

5.0 ENGINEER			
ENGINEER NAME / COMPANY NAME Heneghan and Associates		TELEPHONE NUMBER WITH AREA CODE (636) 464-3610	
E-MAIL ADDRESS igusev@heneghanassoc.com			
ADDRESS 1929 Richardson Road	CITY Arnold	STATE MO	ZIP CODE 63010
6.0 RECEIVING WASTEWATER TREATMENT FACILITY			
NAME <i>Festus/Crystal City Sewage Treatment Plant</i>		TELEPHONE NUMBER WITH AREA CODE <i>436-937-7444</i>	
MISSOURI STATE OPERATING PERMIT # <i>MO 00806 32</i>		REMAINING CAPACITY (GPD) <i>600,000 GPD</i>	
6.1 Has the receiving treatment facility agreed to accept the additional wastewater flow? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
6.2 A letter from the receiving wastewater treatment facility, if different than the continuing authority, is included with this application. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A			
7.0 Application Fee			
<input type="checkbox"/> Check Number		<input type="checkbox"/> JetPay Confirmation Number	
8.0 PROJECT OWNER: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.			
PROJECT OWNER SIGNATURE 			
PRINTED NAME <i>RYAN G. SEELY</i>		DATE <i>4/30/2019</i>	
TITLE OR CORPORATE POSITION <i>President</i>		TELEPHONE NUMBER WITH AREA CODE <i>636-282-9122</i>	
E-MAIL ADDRESS			
Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176			