

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Winscott Construction & Excavating, Inc.
801 Kentucky
Ashland, MO 65010

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.

August 22, 2016
Effective Date


Sara Parker Pauley, Director, Department of Natural Resources

August 21, 2018
Expiration Date


John Madras, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

Construction of approximately 1645 lf of 8-inch PVC gravity sewer lines with approximately 7 manholes and 2 cleanouts to serve a 93 PE and a design average flow of 9250 gpd.

II. CONSTRUCTION PERMIT CONDITIONS

The permittee is authorized to construct subject to the following conditions:

1. This construction permit does not authorize discharge.
2. All construction shall be in accordance with the plans and specifications submitted by A Civil Group LLC on August 1, 2016. This permit allows for a deviation from the requirement for manholes to be used at the terminal ends of all sewer lines. A terminal cleanout is being used on Line A in anticipation of this line being extended fewer than 150 lf. The adjoining property is under contract to be owned and developed by this project owner, Winscott Construction and Excavating.
3. Project is in the vicinity of Peterson Ln. and Forsee Rd. in Ashland, Boone County and discharges to an existing system to be treated at Ashland WWTF, MO-0106844. Lyn Woolford, City Administrator, with the city of Ashland provided an acceptance letter dated July 18, 2016.
4. 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).
5. 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 Northeast Regional Office per 10 CSR 20-7.015(9)(E)2.
6. This construction permit is invalid for projects required to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans"
7. 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."

8. 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.
 - A. Sewer mains shall be laid at least 10 feet 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 10 foot 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.
 - B. Manholes should be located at least 10 feet horizontally from any existing or proposed water main.
 - C. Manholes shall be located with the top access at or above grade level.
 - 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 of the following methods must be specified:
 - a. 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
 - b. Either the water main or sewer line may be continuously encased or enclosed in a watertight carrier pipe which extends 10 feet 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.
9. 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.

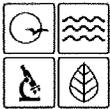
10. A United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) issued by the department or permit waiver may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied. If construction activity 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.

11. Upon completion of construction;

- A. The city of Ashland will become the continuing authority for operation, maintenance, and modernization of these facilities;
- B. Submit the enclosed form Statement of Work Completed to the department in accordance with 10 CSR 20-6.010(5)(D); and
- C. Submit an electronic copy of the as built if the project was not constructed in accordance with previously submitted plans and specifications.

Diane Reinhardt
Engineering Section
diane.reinhardt@dnr.mo.gov

MO-0106844
 MOGC00156
 AP 24531
 C116734



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM

RECEIVED

**APPLICATION FOR CONSTRUCTION PERMIT
 SEWER EXTENSION**

AUG 01 2016

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEES RECEIVED \$300.00	CHECK NO. 14881
DATE RECEIVED 8-1-16 8-1-16	

Water Protection Program

JB

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* or a Sewer Extension Design Checklist* included?
 Sewer Extension Design Checklist. (N/A to department funded projects.) Engineering Report Date of Approval: _____
- 1.3 Is a copy of the appropriate plans* and specifications* included with this application?
 YES Denote which form is submitted: Hard copy (1 minimum) and Electronic copy (See instructions.) NO
- 1.4 Is a summary of design* included with this application? YES NO
- 1.5 Is the appropriate fee (\$300) included with this application? 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

South Wind, Plat 2

PHYSICAL ADDRESS	CITY	STATE	ZIP CODE	COUNTY
W Terminus Charlotte Dr	Ashland	MO	65010	Boone

2.2 Legal Description: ¼, ¼, NE ¼, Sec. 22, T 46, R 12W

2.3 UTM Coordinates Easting (X): 564771.059 Northing (Y): 4290243.954
 For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

2.4 Project Components (check all that apply):

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

2.5 PROJECT DESCRIPTION

Gravity sewer extension consisting of approximately 1645 LF of 8" PVC gravity main, 2-8" cleanouts, 7-4' diameter manholes, and necessary appurtenances.

2.6 DESIGN INFORMATION

A. Population or number of lots to be served by this extension: 25 lots

B. Estimated flow to be contributed by this extension: Design Average Flow: 9250 gpd Design Peak Hourly Flow: 1541 gph

C. Industrial Wastes: Type: NA Flow: 0 gpd

D. Receiving Sewer: Size: 8 inches Capacity: 500 gpm

3.0 PROJECT OWNER

NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS	
Winscott Construction and Excavating, Inc	(573) 489-1230	keithwinscott@gmail.com	
ADDRESS	CITY	STATE	ZIP CODE
801 Kentucky	Ashland	MO	65010

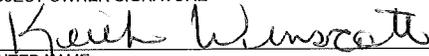
4.0 CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the wastewater collection system.

NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS	
City of Ashland, MO	(573) 657-2091	policechief@ashlandmo.us	
ADDRESS	CITY	STATE	ZIP CODE
109 East Broadway	Ashland	MO	65010

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	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS	
Christopher M Sander / A Civil Group, LLC	(573) 817-5750	chris@acivilgroup.com	
ADDRESS	CITY	STATE	ZIP CODE
3401 Broadway Business Park Ct, Suite 105	Columbia	MO	65203

6.0 RECEIVING WASTEWATER TREATMENT FACILITY		
NAME City of Ashland WWTP	TELEPHONE NUMBER WITH AREA CODE (573) 657-2091	EMAIL ADDRESS wastewater@ashlandmo.us
MISSOURI STATE OPERATING PERMIT # MO 0106844	DESIGN AVERAGE FLOW (GPD)	REMAINING CAPACITY (GPD)
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 or the Continuing Authority and Receiving Wastewater Treatment Facility Acceptance form, if different than the continuing authority, is included with this application. <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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 Keith Winscott	DATE 6-13-16	
TITLE OR COPORATE POSITION President	TELEPHONE NUMBER WITH AREA CODE (573) 489-1230	EMAIL ADDRESS keithwinscott@gmail.com
Mail completed copy to:	MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176	

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RECEIVED
AUG 01 2016
Water Protection Program