

# Missouri Department of dnr.mo.gov **NATURAL RESOURCES**

Michael L. Parson, Governor

Carol S. Comer, Director

**MAR 24 2020**

Zalman Kohen  
D.B.A. Summit Homes  
120 Southeast 30<sup>th</sup> Street  
Lee's Summit, MO 64082



Dear Zalman Kohen:

Enclosed is approval on plans and specifications for a waterline extension to serve Hawthorn Ridge 2<sup>nd</sup> Plat in Lee's Summit PWS, of Jackson County, Missouri.

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

**NOTE:** The proposed waterline will connect to an existing 8-inch main that will provide an available flow of 2,861 gallons per minute at a pressure of 67 psi.

**NOTE:** This approval is valid only if the CONDITION contained in the approval is incorporated in the final construction of this project.

**NOTE:** The Public Water System is responsible for notifying the well owner of their obligation to plug any abandoned well when a connection is made to a new customer or location previously served by a private well, pursuant to the requirements of Section 256.628 RSMo. The Public Water System is also responsible for providing the well owner with notification forms for the owner to complete. These forms must then be submitted to the Department by the Public Water System within 60 days of the connection.

**NOTE:** You, as the applicant, should be aware that you will need to obtain final construction approval from the Department for this project, once it has been constructed and completed. In order to do this, you will need to have your engineer complete the enclosed "Statement of Work Completed" form, or online at <https://dnr.mo.gov/forms/780-2825-f.pdf>. This may require you to make additional arrangements with your engineer to provide this service to you. Once your engineer has completed this form for you, you should return it to this office. We will then make arrangements with our regional office staff to conduct a final inspection and issue a final construction approval.



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# DEPARTMENT OF NATURAL RESOURCES OF MISSOURI

## APPROVAL ON PLANS AND SPECIFICATIONS FOR A WATERLINE EXTENSION

Lee's Summit PWS  
Jackson County, Missouri

Review Number 1000023-20

### **INTRODUCTION**

Detailed plans dated August 13, technical specifications dated September 24, and a hydraulic analysis dated September 3, 2019, for a waterline extension to serve Lee's Summit PWS, in Jackson County, Missouri, were submitted for review and approval March 5, 2020, by Olsson in North Kansas City, Missouri.

### **BRIEF DESCRIPTION**

In general, these plans and specifications provide for a waterline extension to serve Hawthorn Ridge 2<sup>nd</sup> Plat in Lee's Summit PWS. Approximately 3,579 lineal feet of 8-inch, C900 PVC pipe conforming to American Water Works Association (AWWA) standards will be installed. The necessary valves, fittings, hydrants, and other appurtenances will conform to AWWA standards as per detailed plans and specifications. Before placed into service, the waterlines will be pressure tested, flushed, disinfected, and sampled for bacteriological analyses.

Location	Line Size at Point of Connection (inches)	Flow at Point of Connection (gallons/minute)	Residual Pressure at Connection (pounds/inch <sup>2</sup> )
SW Arboridge Drive	8	2,861.91	67.14
SW Arbor Tree Drive	8	2,639.42	59.36

### **CONDITION**

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

- Where new water mains connect to an existing main, a valve shall be installed on the new line.

  
Cody Shelton, E.I.

Drinking Water Infrastructure Permits and Engineering Section

### **APPROVAL TO CONSTRUCT**

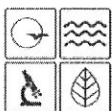
The engineering plans and specifications described above were examined as to sanitary features of design which may affect the operation of the sanitary works, including size, capacities of the units, and factors which may affect the efficiency and ease of operation. Approval as regards these points is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

Approval is given with the understanding that final inspection and approval of the completed work 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  
WATER PROTECTION PROGRAM  
PUBLIC DRINKING WATER BRANCH

**PUBLIC DRINKING WATER CONSTRUCTION STATEMENT OF WORK COMPLETED**

**PART A – BASIC INFORMATION – All applicants must complete Part A.**

**1. THIS FORM IS FOR:**

- ☐ Nondepartment funded project (fill Part A only)  
☐ Department funded project (fill Part A and Part B)

**2. GENERAL INFORMATION**

PUBLIC WATER SYSTEM NAME	PUBLIC WATER SYSTEM ID NO.	DNR REVIEW NO.	SRF PROJECT NO. (IF APPLICABLE)

**3. PROJECT INFORMATION**

NAME OF THE PROJECT
PROJECT DESCRIPTION

**4. AS-BUILT PLANS**

If construction is complete, an electronic (or hard) copy of the as-builts is required and included with this form when:

- ☐ Nondepartment funded projects, in which changes from the previously submitted plans and specifications occurred.  
☐ Department funded projects.  
☐ N/A

**5. PROJECT OWNER:** I hereby affirm that I am familiar with the information contained in this form and to the best of my knowledge and belief such information is true, complete and accurate.

AUTHORIZED SIGNATURE	TITLE OR CORPORATE POSITION
PRINTED NAME	DATE

**6. ENGINEER:** I hereby affirm, to the best of my knowledge and belief, based on inspections, observations, testing of the construction and upon reports submitted by others, that this water project is substantially complete and operable. The construction was completed in accordance with the department's issued construction permit.

SIGNATURE	PRINTED NAME	DATE
CONSULTING FIRM NAME	LICENSE # AND SEAL	
ADDRESS		
CITY	STATE	ZIP CODE
EMAIL ADDRESS		
TELEPHONE NUMBER WITH AREA CODE		

Mail completed form and any attachments to one of the following:

For Nondepartment Funded Projects:	For Department Funded Projects:
Missouri Department of Natural Resources Water Protection Program Attn: Public Drinking Water Branch P.O. Box 176 Jefferson City, MO 65102-0176	Missouri Department of Natural Resources Water Protection Program Attn: Financial Assistance Center P.O. Box 176 Jefferson City, MO 65102-0176

**END OF PART A.**

**PART B - DEPARTMENT-FUNDED PROJECTS:** Submit only if the public drinking water construction project involves MoDNR funding. Make additional copies of Part B for each contractor company if multiple contracts were awarded for the project.

CONSTRUCTION PERMIT #	DEPARTMENT FUNDED PROJECT #
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NAME OF THE PROJECT
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**7. CONTRACTOR COMPANY**

CONTRACT NUMBER
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NAME	TELEPHONE NUMBER WITH AREA CODE
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ADDRESS	CITY	STATE	ZIP CODE
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**8. INSPECTIONS CONDUCTED BY ENGINEER**

DATES AND NOTES OF CONSTRUCTION INSPECTIONS DURING CONSTRUCTION
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PERCENT PROJECT COMPLETE	DATE OF FINAL INSPECTION IF COMPLETE
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**9. ADDENDA APPROVAL**

Issued addendum #	Department approval date

**10. CHANGE ORDER APPROVAL**

Executed change order #	Department approval date

**END OF PART B.**

## **PUBLIC DRINKING WATER CONSTRUCTION STATEMENT OF WORK COMPLETED**

This form is for public drinking water projects that are complete. This form requires an engineer to certify the public drinking water project is complete and operable.

New public drinking water facilities must obtain a permit to dispense from the department prior to dispensing water to the public. Refer to 10 CSR 60-3.010(3)

### **Part A – Basic Information**

1. Check the appropriate box to indicate if the project was Department funded.
2. Complete the general information.
3. Complete the project information and project description.
4. Check the applicable box. Attach an electronic (or hard) copy of the as-built plans to this form in accordance with 10 CSR 60-10.010 if required. The electronic copy shall be submitted in PDF searchable format on a compact disc. If the as-built plans are scanned, set the resolution to 200 dpi at 17 inches by 22 inches at a minimum.
5. Complete the project owner certification. All applications must be signed.
6. Complete the engineer certification and information.

### **Part B – Department Funded Projects**

All department funded public drinking water construction projects are required to complete and submit Part B of this form. If multiple contracts were awarded for the project, make additional copies of Part B for each contractor company.

7. Complete contractor company information.
8. List all construction inspection dates conducted by the engineer. Attach additional sheets as necessary.
9. List all addenda and corresponding information. An addendum is a change to the approved plans and Specifications prior to the bid opening. Addenda must be approved by the department in accordance with 10 CSR 60-13.020(2)(N). Attach additional sheets as necessary.
10. List all change orders and corresponding information. A change order is a change to the approved plans and Specifications after the bid award and contract execution. Change order(s) must be approved by the department in accordance with 10 CSR 60-10.010(4). Attach additional sheets as necessary.

Mail the completed form to the department as shown in Part A.

If there are any questions concerning this form, please contact the Department of Natural Resources, Water Protection Program at 800-361-4827 or 573-751-1300.