
DEVELOPMENT SERVICES

Date: Friday, September 02, 2022

To: ENGINEERING SOLUTIONS
50 SE 30TH ST
LEES SUMMIT, MO 64082

From: Gene Williams, P.E.
Senior Staff Engineer

Application Number: PL2021074

Application Type: Engineering Plan Review

Application Name: WOODLAND OAKS 1ST PLAT - Woodland Oaks Private Grinder Pump
Installation and Connection Manual

The Development Services Department has completed its review of the above-referenced installation manual (undated and unsealed). We have completed our review and offer the following comments listed below.

- See comments below to determine the required revisions and resubmit to the Development Services Department public portal located at devservices.cityofls.net. Digital documents shall follow the electronic plan submittal guides as stated below.
- Revised plans will be reviewed within ten (10) business days of the date received.

Engineering Review

1. The purpose of this manual is to serve as a short and concise guide for City staff to review building permits for private grinder pumps and the connection to the ball valve at the end of the public force main, and the building contractor for installation of private grinder pumps, and connection to the existing public main at the the public system. It would appear the manual does not meet the intent, and discusses the overall system, how it was designed, and provides a copy of the public force main plans for the public system as well as the private grinder pumps and private system. We would suggest the following: 1) a title sheet "Private Grinder Pump Installation and Connection Manual for Woodland Oaks" or equivalent language, 2) presentation in drawing format of the pumps, electrical devices, materials, depth of bury, and all other materials and devices necessary to make the connection to the existing system, and 3) an overall location drawing of the ball valves and where they are located on each lot to serve as a guide for planning purposes. Please revise as appropriate.
2. Please remove any extraneous details that are not necessary such as pump curves, odor control systems, flushing connections, connections to Woodland Shores, or any other items which are irrelevant to the installation of the private system. Please revise as appropriate. Please revise as appropriate.

Electronic Plans for Resubmittal

All Planning application and development engineering plan resubmittals shall include an electronic copy of the documents as well as the required number of paper copies.

Electronic copies shall be provided in the following formats

- Plats – All plats shall be provided in multi-page Portable Document Format (PDF).
- Engineered Civil Plans – All engineered civil plans shall be provided in multi-page Portable Document Format (PDF).
- Studies – Studies, such as stormwater and traffic, shall be provided in Portable Document Format (PDF).

Please contact me if you have any questions or comments.

Sincerely,

/s/ electronically signed Sep. 2, 2022

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cc: Development Engineering Project File