

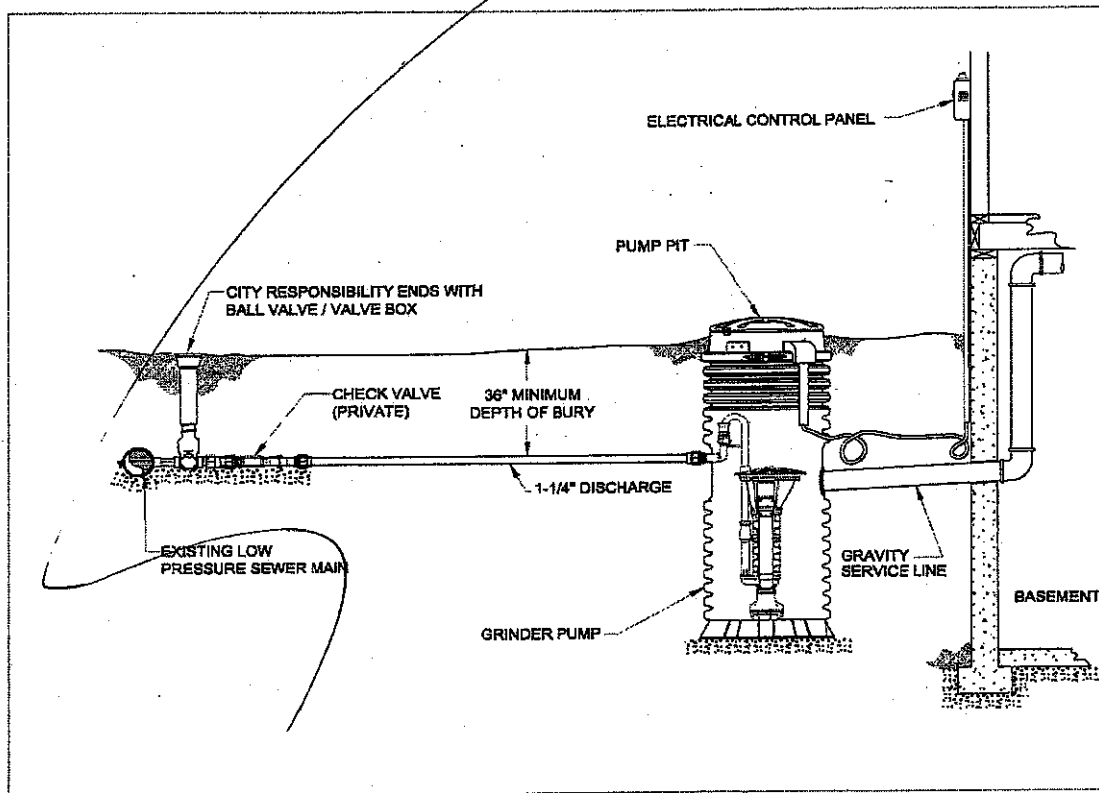
PRAIRIE LEE LAKE LOW PRESSURE SEWER SYSTEM PERMITS, PROCEDURES & FEES

The following outlined procedures must be followed for constructing private property improvements and connection to low pressure sewer system:

1. Property owner chooses to contact plumbers and electricians licensed within the City of Lee's Summit and obtain bid(s) from the contractors to perform the work necessary to connect the structure's sanitary plumbing system to the low pressure sewer main. Property owner(s) may chose to perform the work themselves as an exception to hiring a licensed plumber and/or electrician. Regardless of who performs the necessary work, all work must be done in a manner that is in compliance with the low pressure sewer system design requirements as well adopted codes and ordinances of the City of Lee's Summit.
2. Property owner and/or contractor work out a plan as to where all of the private property components will be located on the respective property. Property owner and/or contractor should evaluate connections to the sewer system to ensure that only sanitary sewer flow is conveyed into the sewer system, and any storm water flow is discharged to daylight.
3. The property owner and/or contractor shall prepare a site plan indicating where the proposed improvements will be located (grinder pump location, discharge line location, control panel location, etc.).
4. The contractor/property owner shall submit the following information to the Codes Administration department for review:
 - Prepared site plan
 - A completed permit application. The permit application will ask for the number of plumbing drain openings within the home (toilets, bathtub(s), shower(s), sink(s), washing machine, etc.). The number of drain openings does not include floor drains or sump pumps. The number of drain openings determines the sewer connection fee which is calculated at \$30 per trapped fixture.
 - Manufacturer data sheet(s) for the grinder pump and control/alarm panel
5. The Codes Administration Department will review the permit application and required submittals and either request additional information/clarification(s) or approve the proposed work and issue the building permit.
6. Once the permit application has paid for and building permit obtained, work may begin on site.
7. The scheduling of the private property improvements must be coordinated by the property owner and the contractor, with respect to the availability of the City inspectors. The work must be performed at a time when the City inspectors will be available for timely inspections. Therefore the property owner does not want to schedule the work to be constructed, then find

Individual Property Improvements

Individual property owners and/or their contractor will need to make significant sanitary sewer improvements on their property in order to use the low pressure sewer system. The City will construct the collection main which includes a ball valve at each property. As shown in the diagram below, the individual property owner will be responsible for installing a 1 1/4 inch discharge line with a check valve, a grinder pump, a grinder pump well, a drainage line from the home, and an appropriate electrical connection. The discharge line and check valve must have a 150 psi pressure rating. The grinder pump must be capable of grinding and pumping household waste water through a 1 1/4 inch diameter line. The grinder pump must be compatible to the total low pressure system. Grinder pumps must be able to pump against a Total Dynamic Head (TDH) of 175 feet. The pump must be able to deliver between 7 to 20 gallons per minute at any Total Dynamic Head condition.



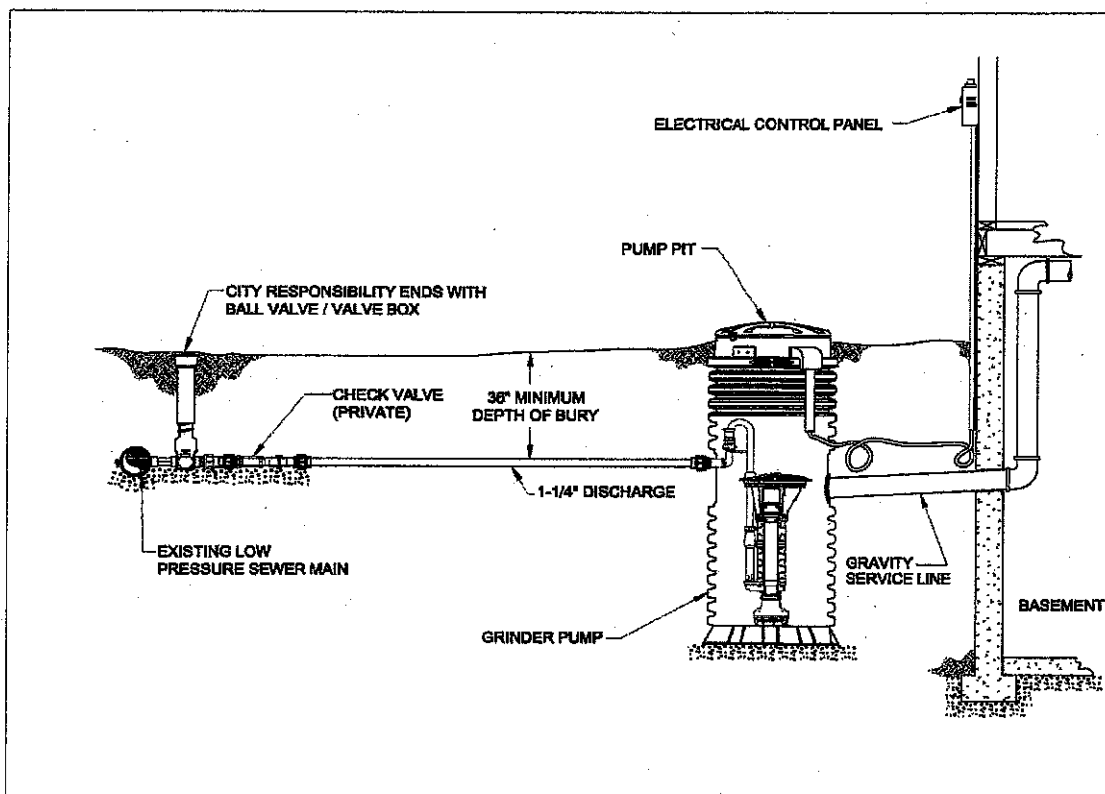
Approved Pump Manufacturers

- E-One
- Delta Environmental
- Hydromatic
- Myers

For more information please visit www.lswater.net and click on *Prairie Lee Sewer Project* under Quick Links on the main page.

Individual Property Improvements

Individual property owners and/or their contractor will need to make significant sanitary sewer improvements on their property in order to use the low pressure sewer system. The City will construct the collection main which includes a ball valve at each property. As shown in the diagram below, the individual property owner will be responsible for installing a 1 1/4 inch discharge line with a check valve, a grinder pump, a grinder pump well, a drainage line from the home, and an appropriate electrical connection. The discharge line and check valve must have a 150 psi pressure rating. The grinder pump must be capable of grinding and pumping household waste water through a 1 1/4 inch diameter line. The grinder pump must be compatible to the total low pressure system. Grinder pumps must be able to pump against a Total Dynamic Head (TDH) of 175 feet. The pump must be able to deliver between 7 to 20 gallons per minute at any Total Dynamic Head condition.



Approved Pump Manufacturers and Models

- Delta Environmental - Model: D1P20-21
- E-One - Model: DH071/DR071
- Flygt - Model: MF3068.175 Pump
- Hydromatic - Model: HPD200
- Myers - Model: MGPD200

For more information please visit www.lswater.net and click on *Prairie Lee Sewer Project* under Quick Links on the main page.

