



32325 Franklin Road, Franklin, Michigan 48025

FAX: (248) 626-0538 (248) 626-9666

www.franklin.mi.us

## VILLAGE OF FRANKLIN

### APPLICATION FOR CONNECTION TO THE LOW PRESSURE SANITARY SEWER SYSTEM

**TYPE OF CONSTRUCTION** (CHECK ONE):

- EMERGENCY GRINDER PUMP CONNECTION - EXISTING FAILED SEPTIC ONLY
- PLANNED CONSTRUCTION NEW / ADDITIONS / RENOVATIONS

PROPERTY TAX ID # \_\_\_\_\_ DATE \_\_\_\_\_

PROPERTY ADDRESS \_\_\_\_\_

OWNER NAME \_\_\_\_\_

OWNER ADDRESS \_\_\_\_\_

OWNER TELEPHONE # \_\_\_\_\_

OWNER EMAIL \_\_\_\_\_

**Provide contractor contact information for new construction, additions and/or if renovations are planned:**

CONTRACTOR NAME \_\_\_\_\_

CONTRACTOR ADDRESS \_\_\_\_\_

CONTRACTOR PHONE # \_\_\_\_\_

CONTRACTOR EMAIL \_\_\_\_\_

\_\_\_\_\_  
(Applicant) (Date)

\_\_\_\_\_  
(Received by) (Date)

Referred to:  
Village Council

Amount: \$ \_\_\_\_\_  
(\$50 application fee)

\_\_\_\_\_  
Village Clerk (Date)



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## **Grinder Pump Station Installation and Service Connection Schedule of Events**

### **ALL PROPOSED FIRST TIME SEWER CONNECTIONS:**

- Application is made at the Village of Franklin offices (Village.) A **\$50 application** fee is required to be **paid to the Village** at the time of application.
- The Village Council reviews and approves or denies all proposed connections.
- Applicant and the Oakland County Water Resources Commissioner's Office (WRC) are notified of the decision by Village Council.

### **SERVICE CONNECTIONS:**

- Property owner applies to WRC and submits one set of building plans and site plans (if applicable) for review. A **DEPOSIT of \$1000.00** is required at the time of application to OCWRC to establish a site construction account.

### **PLANNED CONSTRUCTION:**

- Property owner is responsible for pulling all required building, electrical, and plumbing permits from the Village.
- Property owner applies to WRC and submits one copy each of building plans and site plans for review. An initial **DEPOSIT of \$1000.00** is required at the time of application to WRC to establish a site construction account.
- Property owner and/or contractor schedules a meeting with the WRC to review proposed building plans. Items to discuss:
  - Timeline of construction sequences and establishment of construction accounts.
  - Building plumbing should be designed to flow toward the existing public sewer location. This is typically in the public street right of way. Corner lots may have two options for connection points if the public sewer system exists in both streets.
  - Review and conduct a fixture unit count of all devices that are water sources i.e. faucets, toilets, dishwashers, ect. The flow calculation process will determine the size and/or type of station required.
  - Discuss and agree on the location of the grinder station and wall-mounted electrical and alarm boxes. A location at or near any existing or proposed driveways for the purposes of providing access and work space for the operation and maintenance, repair and/or replacement of the grinder pump system is preferred. A clear line of site must be provided and maintained between the grinder station and alarm panel.
  - Property owner is responsible for hiring a plumber/contractor to make the connection from the new construction to the provided grinder station stub. The WRC provides a 4-inch diameter schedule 40 PVC stub. **A plumbing permit from the Village is required for this work.** The plumber or contractor conducting the work must be bonded with the WRC.

- Property owner is responsible to supply sufficient power (240v single phase) to the location of the electrical and alarm panel from the home's main electrical service panel and provide:

#### Simplex Grinder Pump Station Electrical Requirements

- Dedicated 30 amp breaker in main electrical panel and
- Install wire from main panel to Grinder Panel Service Disconnect (non-fused) (100 feet maximum) – Minimum Copper 10-3 w/ ground.

#### Duplex Grinder Pump Station Electrical Requirements

- Dedicated 40 amp breaker in main electrical panel and
  - Install wire from main panel to Grinder Panel Service Disconnect (non-fused) (100 feet maximum) – Minimum Copper 8-3 w/ ground.
- Electrical runs over 100 feet will require special considerations to determine the required power supply and wire sizing on a case by case basis.
  - An Electrical Permit from the City is required for this work.
  - Property owner requests grinder pump installation by contacting the WRC Pump Maintenance Unit (248-618-9690.) The grinder station must be dry and free of all debris.
  - **No ejector pumps, water softener/filtration equipment, ground water or storm water** shall be allowed to discharge into any part of the building sewer that is tributary to the grinder pump system. Reconfiguration of existing building sewers may be necessary to separate existing points of discharge.
  - All sewer construction performed within five feet of the exterior wall of the building shall comply with current Oakland County Standards and Specifications available online at [http://www.oakgov.com/water/standards\\_specs/](http://www.oakgov.com/water/standards_specs/)
    - Materials - Sanitary Sewer Pipe The WRC provides a 4-inch diameter schedule 40 PVC stub.
    - Open Cut Sanitary Sewer (see Section 9)

#### **EMERGENCY CONNECTION (EXISTING FAILED SEPTIC ONLY)**

- Property owner is responsible for pulling all required building, electrical, and plumbing permits from the Village.
- Property owner applies to WRC and submits one copy each of building plans and site plans for review. An initial **DEPOSIT of \$1000.00** is required at the time of application to WRC to establish a site construction account.
- When the grinder station is to be located at or near the existing septic tank, the property owner is responsible for updating that portion of the gravity building service lead between the building and grinder station a plumbing permit and inspection is required from the Village of Franklin for this work.
- If the desired grinder pump location is to be different than that of the existing septic tank location, the property owner is responsible for updating all interior building

plumbing as necessary to deliver flow to the predetermined grinder pump station location. If necessary, **a plumbing permit and inspection is required from the Village of Franklin for this work.** Property owner and/or contractor shall schedule a meeting with the WRC to review all proposed building plans to determine the total number of plumbing fixture units to calculate flow and determine grinder pumping station performance requirements.

- Items to discuss:
  - Timeline of construction sequences and establishment of construction accounts.
  - When reconfiguring the building plumbing, design the flow toward the existing public sewer location. This is typically in the street. Corner lots sometimes have two options for connection points to the public sewer system.
  - Review and conduct a fixture unit count of all devices that are water sources i.e. faucets, toilets, dishwashers, ect. The flow calculation process will determine the size and/or type of station required
  - Discuss and agree on the location of the grinder station and wall-mounted electrical and alarm boxes. A location at or near any existing or proposed driveways for the purposes of providing access and workspace for the operation and maintenance, repair and/or replacement of the grinder pump system is preferred. A clear line of site must be provided and maintained between the grinder station and alarm panel.
  - Property owner is responsible for hiring a plumber/contractor to make the connection from the new construction to the provided grinder station stub. The WRC provides a 4-inch diameter schedule 40 PVC stub. **A plumbing permit from the Village is required for this work.** The plumber or contractor conducting the work must be bonded with the WRC.
  - Property owner is responsible to supply sufficient power (240v single phase) from the home's main electrical service panel and provide a non-fused Service Disconnect at the location of the agreed upon Grinder Station Service Panel location (100' maximum).

#### Simplex Grinder Pump Station Electrical Requirements

- Dedicated 30 amp breaker in main electrical panel and
- Install wire from main panel to Grinder Panel Service Disconnect (non-fused) (100 feet maximum) – Minimum Copper 10-3 w/ ground.

#### Duplex Grinder Pump Station Electrical Requirements

- Dedicated 40 amp breaker in main electrical panel and
  - Install wire from main panel to Grinder Panel Service Disconnect (non-fused) (100 feet maximum) – Minimum Copper 8-3 w/ ground.
- Electrical runs over 100 feet will require special considerations to determine the required power supply and wire sizing on a case by case basis.
  - An Electrical Permit from the City is required for this work.

- Property owner requests grinder pump installation by contacting the WRC Pump Maintenance Unit (248-618-9690.) The grinder station must be dry and free of all debris.
- **No ejector pumps, water softener/filtration equipment, ground water or storm water** shall be allowed to discharge into any part of the building sewer that is tributary to the grinder pump system. Reconfiguration of existing building sewers may be necessary to separate existing points of discharge.
- All sewer construction performed within five feet of the exterior wall of the building shall comply with current Oakland County Standards and Specifications available online at [http://www.oakgov.com/water/standards\\_specs/](http://www.oakgov.com/water/standards_specs/)
  - Materials - Sanitary Sewer Pipe The WRC provides a 4-inch diameter schedule 40 PVC stub.
  - Open Cut Sanitary Sewer (see Section 9)
- Property owner requests grinder pump installation by contacting the WRC Pump Maintenance Unit (248-618-9690.) The grinder station must be dry and free of all debris.
- No water softener/filtration equipment, ground water or storm water shall discharge into the grinder pump system.
  - All sewer construction performed within five feet of the exterior wall of the building shall comply with current Oakland County Standards and Specifications available online at [http://www.oakgov.com/water/standards\\_specs/Materials - Sanitary Sewer Pipe](http://www.oakgov.com/water/standards_specs/Materials - Sanitary Sewer Pipe) The WRC provides a 4-inch diameter schedule 40 PVC stub.
  - Open Cut Sanitary Sewer (see Section 9)

**The WRC, on behalf of the Village of Franklin, reviews all proposals and is responsible for:**

- Creating a construction account based on estimated total cost to purchase and install the grinder station.
- For homes with normal proposed residential use and with 34 or fewer water fixture units. The WRC shall request a deposit from property owner to establish a site account based on the estimate. Once the project is complete, an accounting will be made and either any remaining money will be refunded or an invoice for the difference will be generated.
- For larger homes, with normal proposed residential with 34.5 or more water fixture units and/or high volume water usage fixtures and/or swimming pools, will require special considerations to be made to accommodate additional flow needs. Special deposits shall be calculated on a case-by-case basis.
- Preparing for recording at the Oakland County Register of Deeds a permanent easement document for property owner to execute.
- Preparing a grinder pump site plan which will become a part of the permanent easement document and an as-built record once constructed.

- The WRC contractor will install the Grinder Station tank, electrical service and the pressure service discharge line, including the tap to the public sewer.
- The WRC Inspector will coordinate and schedule the Grinder Station Tank, Electrical and service discharge installation with property owner and/or contractor. The station tank installation and tap will be done only when new construction has reached roughly 80% completion. The Grinder Pump(s) installation, start-up & certification will be done only when any and all exterior brick and/or stonework, if any, be completed and all interior walls must be painted.
- The WRC contractor will install and connect the grinder service line from the pump station to the public sewer.
- The WRC contractor will install a PVC conduit with glued joints and electrical wire from the grinder station to the wall-mounted electrical panel.
- The WRC Pump Maintenance Unit will install the pump(s) in the station, start-up the pump and complete the manufacture's certification (if any.)
- The WRC contractor will make electrical connections from grinder station to wall-mounted electrical panel.
- The WRC contractor will restore all disturbed property caused by the installation of the grinder station and service connection to existing condition.
- The WRC Pump Maintenance Unit shall operate and maintain the grinder pump station and pressure service line.

The Oakland County Water Resources Commissioner, as agent for the Village of Franklin, is responsible for providing full-time construction inspection, normal maintenance of grinder pump and pressure service line. This service includes emergency response for any and all alarming grinder pump systems.

Please submit a copy of the approved site plan and building plan to:

Drew Sandahl, P.E. Civil Engineer III and/or Kevin Schulz, Supervisor I PMU  
 Oakland County Water Resources Commissioners Office  
 One Public Work Drive  
 Building 95 West  
 Waterford, MI 48328  
 Main Office: 248-858-0958  
[sandahlm@oakgov.com](mailto:sandahlm@oakgov.com) or [schulzk@oakgov.com](mailto:schulzk@oakgov.com)  
 Website: <http://www.oakgov.com/water/>