



300 E. Pearl Street, P.O. Box 367 • Tel: 816-380-8900 • Fax: 816-380-8906 • Harrisonville, MO 64701

Information About a Free City Program

Foundation Drain Mitigation Program

What are foundation drains?

Foundation drains are installed around the base of a house foundation to carry clear water from downspouts and subsurface drainage away from the foundation walls. It was common in earlier house construction to tie the foundation drains directly into the house sewer lateral line either by gravity or sump pump.

Why is it a problem?

Any water entering the sewer system must be treated at the City's wastewater treatment plant. Excess clear water can overload the sewer system causing sewer water to back up into the basements of residents downstream. All users are paying higher sewer fees to pay for additional operating and capital costs to accommodate clear water.

Why is it important?

Disconnecting footing drains has the following advantages:

- ✓ Takes rainwater out of the sanitary system, reducing problems for downstream residents, reducing claims against the city and associated costs, eliminating treatment costs for the rainwater and increasing capacity of the sanitary sewer system.
- ✓ Provides short-term and long-term protection for those at risk.
- ✓ Increase the capacity of the sanitary sewer system and reduce claims against the city and associated costs.
- ✓ Provides the lowest sewer rate impact of all the possible solutions.

What is available to a homeowner?

The Board of Alderman are offering a program at no direct cost to the homeowner to inspect your sewer drain system from inside your house out past your foundation drain with a video camera designed to insert into your drain to determine if your foundation drains are tied to a sewer line. If your foundation drains are connected, the City will disconnect the foundation drains and install a sump pump to remove the clear water to the surface outside your residence. The homeowner's responsibility will be to pay the electric charge to operate and maintain the sump pump. Funding will be made on a first come first serve basis.

What will happen in my home?

The city will set up an appointment with you and the city's approved licensed plumber to complete the initial inspection to determine if your foundation drains are tied to the city's sewer line. Approximately two (2) hours are needed for the contractor to make their initial determination. This will be an excellent opportunity to ask specific questions about your home, and to learn more about the steps of the program. The actual construction work should take from 1 to 3 days of in-home construction. Construction photos will be taken of the work site.

Initial Assessment will be conducted by the City's approved licensed plumber with the homeowner and will include actions to:

- Determine if your footing drains are connected
- Identify possible locations for sump pump installation
- Assess site drainage options, including identification of any needed changes in downspout connections.

Work Plan will Include

- **Outside**-Work in the yard may include:
 - Removal of foundation drains from sewer lateral
 - Installation of sump discharge piping (a small pipe to carry footing drain water from the sump pump to the yard).
 - Cleanup and restoration of any areas impacted by the installation.
- **Inside**- Work will be confined to the basement and will include:
 - Removal of a section of the basement floor to disconnect the footing drains from the house sewer lateral and routing of new discharge lines.
 - Installation of a new electrical circuit.
 - Installation of the sump and sump pump. The sump is typically 24 inches in diameter and 30 inches deep. The cover is sealed and level with the basement floor.
 - Repairs to the work area (i.e., replacing concrete, tiles, etc.)
 - For homes that have previously experienced basement backup or those deemed to be at-risk for basement backup, installation of check valves on all plumbing fixtures located in the basement or a single check valve to protect all facilities in the basement.
 - Clean up of the work area.
 - Final inspection by City staff

What do I need to do?

Pickup at city hall or download from the city's web site www.ci.harrisonville.mo.us the **Letter of Interest**, complete the **Letter of Interest** and mail, fax or drop off to Eric B. Patterson, Director of Public Works, City of Harrisonville, 300 E Pearl, PO Box 367, Harrisonville, MO 64701 or fax to 816-380-3997. The Letter of Interest will establish your desire to participate in the Foundation Drain Mitigation Program. City staff will contact you within (30) thirty days to go over the details of the program. Priority will be based in the order of receipt of the Letters of Interest with preference given to property owners with previous sewer backup complaints. Applicant must be current on all city charges for services.



Foundation Drain Mitigation Program
Letter of Interest
Public Works Department
City of Harrisonville, Missouri

The Public Works Department of the City of Harrisonville is seeking volunteers of residential homes to participate in the Foundation Drain Mitigation (FDM) Program. The city has prequalified licensed plumbers to be available to perform the work. The FDM Program will cover the cost to determine if the house foundation drain is connected to the sanitary sewer. If it is, the Program will also:

- Develop a work plan with costs
- Property owner and City chooses a plumber from our prequalified list of licensed plumbers.
- The plumber will complete the work according to the work plan.
- The work is covered 100% by the city.
- Property owner assumes responsibility for the ongoing maintenance of the sump pump.

Program funding is limited. It will be allocated on a first come first serve basis. Completing the following information will identify your interest and establish your priority on the list. A more detailed application will be required to be eligible for funding.

1. Resident's name: _____
2. Property Address(es): _____

3. Telephone numbers: _____ Home _____ Work
 _____ Cell
4. Is the Resident the owner of the property? Yes No
5. If No, provide name and address of owner: _____

6. How long has the resident lived at this address? _____
7. Type of property: Single Family Residential Residential Duplex
 Residential Multi-family
8. Square footage of structure: _____ Size of Lot (acres): _____
9. Foundations type: Basement (Finished? Yes No) Elevated on Piers
 Crawl Space Slab on Grade
 Other (Specify) _____
10. Date constructed: _____
11. Does the property have a foundation sump pump? Yes No
12. If so, where does the pump discharge to? _____

I would like to be considered for the Foundation Drain Mitigation Program

 Signature

 Date

Mail, Fax or drop off the **Letter of interest** to Eric B. Patterson, Director of Public Works, 300 E Pearl, PO Box 367, Harrisonville, MO 64701 or fax to 816-380-3997.