

Sump Pump Program Public Informational Meeting

Date: August 29, 2024 at 6:00pm

Wanamingo Community Center at City Hall

Presenters: Brandon Theobald, P.E.

Bryan Kaemingk, P.E.

whks

engineers + planners + land surveyors

+



CITY OF

WANAMINGO

Meeting Objectives



Objective One

What is inflow and infiltration?



Objective Two

Why are we doing this program?



Objective Three

Discuss program approach and details



Objective Four

Frequently asked questions

What is I/I?

Inflow and Infiltration

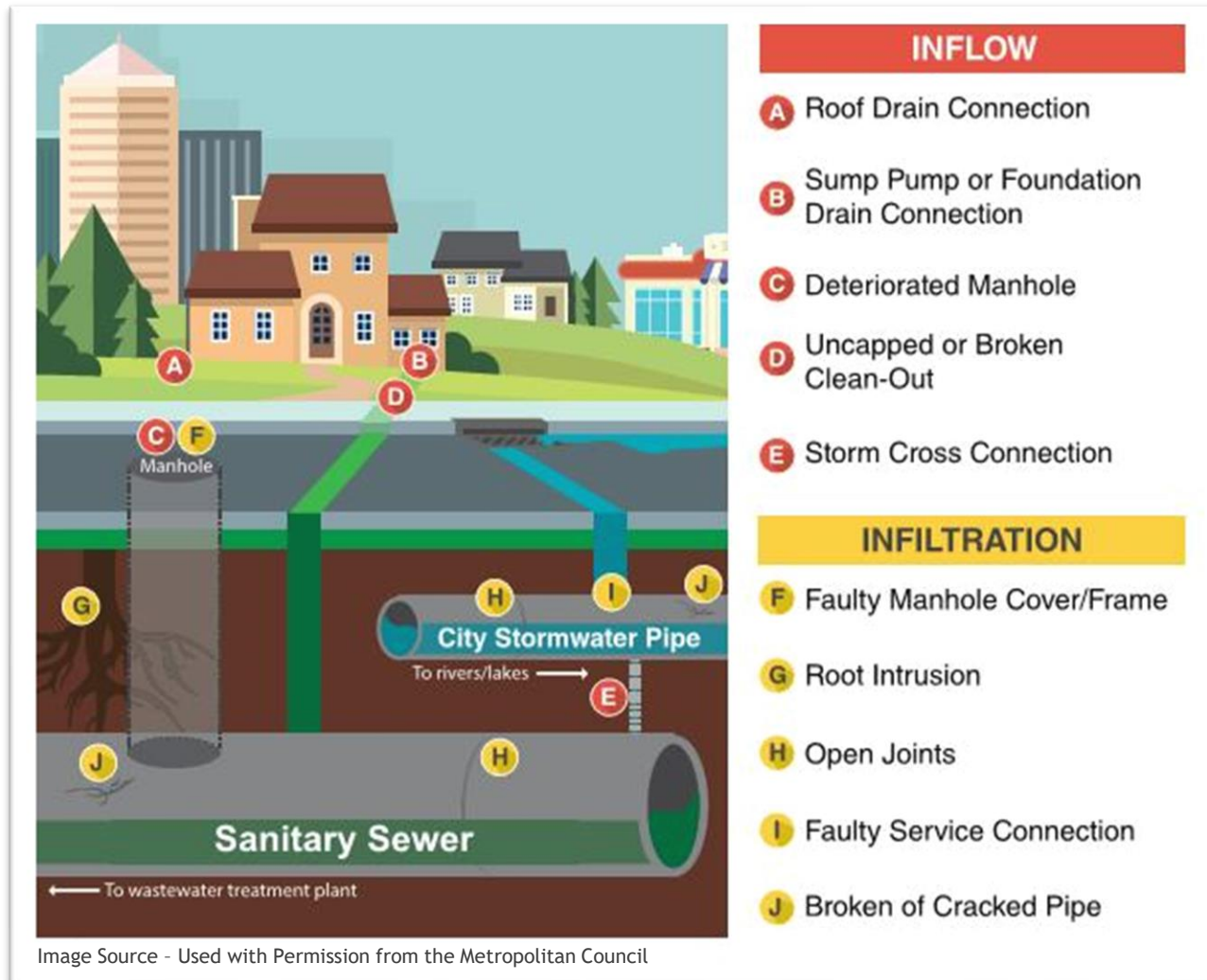
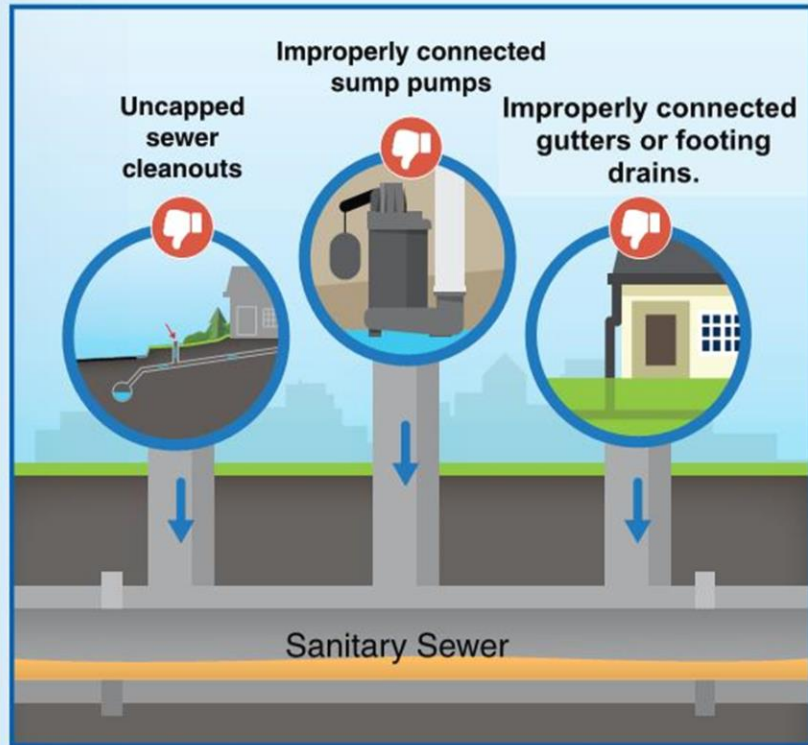
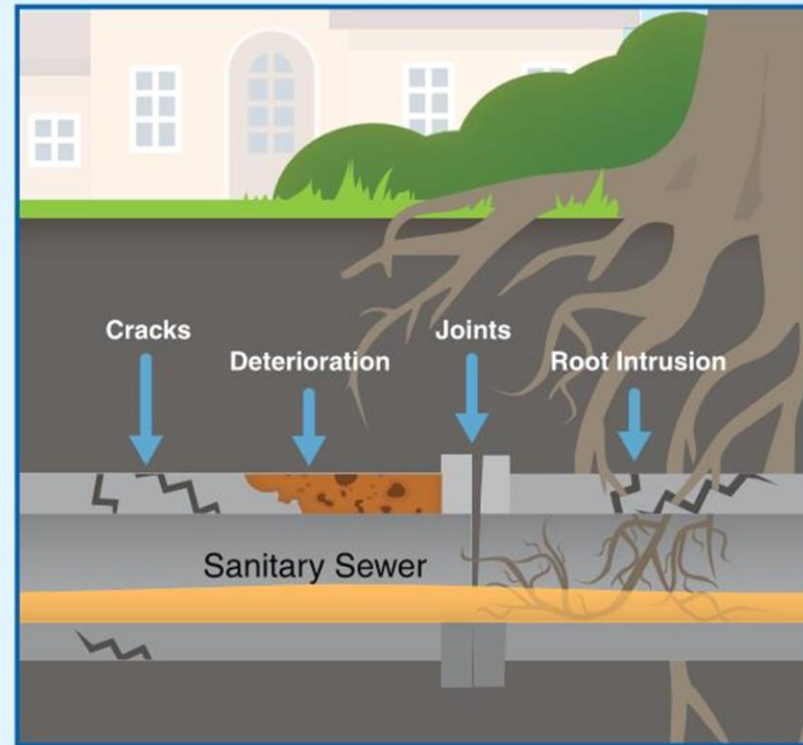


Image Source - Used with Permission from the Metropolitan Council

Some Sources of I/I



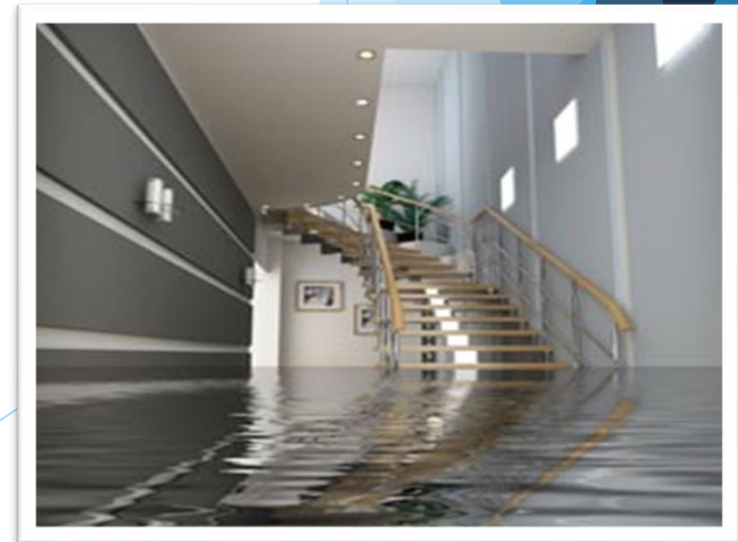
Inflow is clear water that quickly enters the wastewater system after rainfall events from sources such as sewer cleanouts, sump pumps, gutters, building foundation drains, and broken maintenance hole covers.



Infiltration is clear water that gradually enters the wastewater system below ground through cracks and openings in sewer service lines and joints, and public sewer mains and deteriorated maintenance holes.

Consequences of Excessive I/I

- ▶ Low customer satisfaction
- ▶ Costs greater than needed
- ▶ Potential health risks
- ▶ Property damage
- ▶ Regulatory actions



I/I in Wanamingo

- ▶ Wet weather flows are 8 times higher than regular dry weather flows
- ▶ Leading to increases cost of future sewer charges for Regional Wastewater Treatment System



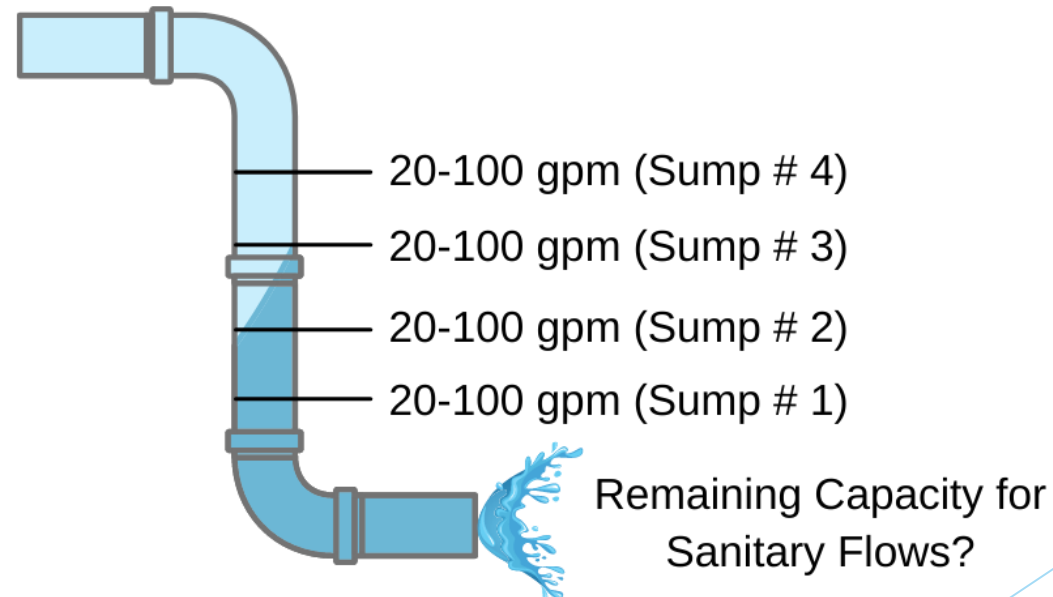
Why Are We Doing This Program?

- ▶ Sump pump programs are typically the **MOST** cost-effective method to reduce I/I in the system.
- ▶ Removing I/I from the sanitary sewer has several benefits:
 - **Saves Money:** Reduces sewer charges from future Regional Treatment System.
 - **It's the Neighborly Thing to Do:** Lowers the risk of backups & property damage
 - **Supports Future Growth:** Freeing up capacity in the system enables future development.



Why a Sump Pump Program?

- ▶ A few sump pumps can make a big difference
 - ▶ Typical sump pump 20-100 gpm a piece
 - ▶ Typical 8" sewer capacity 350 gpm
 - ▶ As few as FOUR pumps can take up the pipe capacity and cause a backup in the neighborhood.



Sump Pump Program Approach

- ▶ Ordinance Modification
- ▶ Public Info
- ▶ Public Meetings
- ▶ Scheduling
- ▶ Inspections



Key Aspects to Ordinance Revision

- ▶ Section 53 of Wanamingo Code of Ordinances prohibited clear water connections before Amendment
- ▶ Key Aspects:
 - City, City's representative, or private plumber inspects
 - Sump pumps, beaver drains, footing drains, defective laterals, etc. are prohibited from discharging to sanitary sewer
 - Rigid discharge piping, no valves or flex hose
 - Sump pits must have pumps
 - 30 days to inspect, 90 days to correct deficiencies
 - City can issue \$100/month surcharge for violations or no inspection

Public Info

www.WanamingoSump.com



The screenshot shows the website's navigation bar with the following links: HOME, PROGRAM INFORMATION, FAQs, NOTICES, CONTACT, and SCHEDULE INSPECTION. The main heading is "Wanamingo Sump Inspection Program" with a sub-heading "Updated 8/05/24". The content includes:

- Received a Letter? [Click Here](#) to Schedule an Inspection.
- Have a Question? Please call (833) 509-0270
- A **Public Informational Meeting** will be held on **August 29, 2024 at 6:00 PM** at Wanamingo Community Center at City Hall - 401 Main Street, Wanamingo, MN 55983.
- The meeting will discuss scheduling inspections, length of inspections, proper sump pump connections and other miscellaneous items related to the Program.
- Information from the meeting will be posted in the [Notices](#) section.
- Learn more about the program below.

A successful program benefits the City by reducing backups, protecting health, and controlling costs

August 14, 2024

To: JOHN SAMPLE

Inspection for building at 123 SAMPLE ST
Login: **555555**
Password: **1234**

The City of Wanamingo's Section 53 of the Code of Ordinances prohibits the discharge of clear water into the sanitary sewer system. Clear water from any roof, surface, ground, sump pump, footing drain, swimming pool, seepage collection system ("beaver system"), or other natural precipitation sources is prohibited from discharging or draining into the sanitary sewer.

The City will be conducting mandatory inspections to ensure that sump pumps, roof drains, and other clear water sources are not connected to the sanitary sewer system. Inspections are scheduled to take place in the Fall of 2024. Wanamingo has hired a professional engineering consultant, who is coordinating this program.

Property Owner Mandatory Inspection.
Per ordinance, you must schedule an inspection within 30 days to avoid a \$100/month surcharge on your sewer bill. For all residents, the inspection of all buildings with a sewer account is mandatory, even if the building does not have a basement or sump pump.

Please visit Wanamingosump.com to schedule an inspection. Your login and password to schedule an appointment are printed at the top of this letter. You can also contact WHKS & Co. toll-free at (833) 509-0270 between 8am–5pm on Monday–Thursday and 8am–12pm on Friday, to schedule an appointment. If calling after hours, please leave a message with your name and phone number, and they will return your call the next business day.

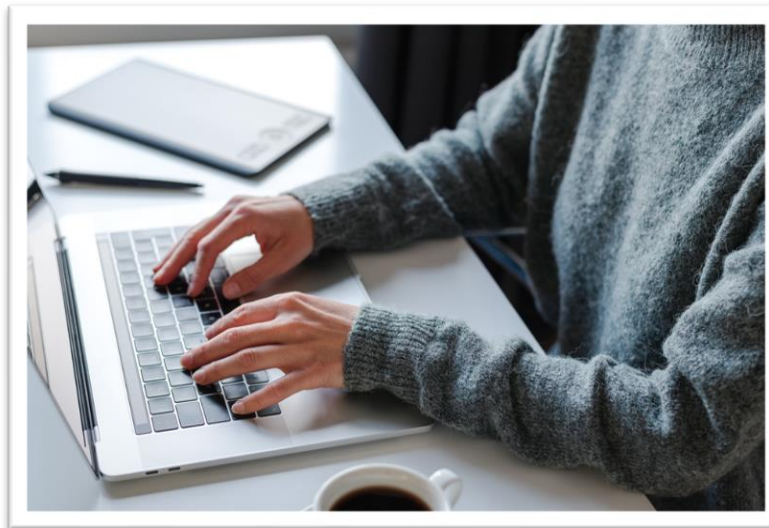
The City will host a public informational meeting on **Thursday, August 29, 2024, at 6:00 pm at the Wanamingo Community Center at City Hall** to discuss the need for the program, the scheduling of inspections, proper connections, and other miscellaneous items.

For more information about the program and scheduling your inspection, please visit Wanamingosump.com or call (833) 509-0270.

Invitation to attend public info meeting and schedule inspection

Scheduling

- ▶ All inspections are scheduled, no door-to-door inspections
- ▶ Scheduling is fast and easy
- ▶ Schedule through website or telephone
- ▶ All Residents have been sent a letter to schedule their inspections



Scheduling and Info Website WanamingoSump.com



The screenshot shows the website's navigation bar with the following links: Wanamingo Sump, HOME, PROGRAM INFORMATION, FAQs, NOTICES, CONTACT, and SCHEDULE INSPECTION. The 'SCHEDULE INSPECTION' link is circled in blue. The main content area features the title 'Wanamingo Sump Inspection Program' and a date 'Updated 8/05/24'. Below this, there are three sections of text: a link to schedule an inspection, a phone number for questions, and a public informational meeting announcement for August 29, 2024.

Wanamingo Sump HOME PROGRAM INFORMATION FAQs NOTICES CONTACT **SCHEDULE INSPECTION**

Wanamingo Sump Inspection Program

Updated 8/05/24

Received a Letter? [Click Here](#) to Schedule an Inspection.

Have a Question? Please call (833) 509-0270

A **Public Informational Meeting** will be held on **August 29, 2024 at 6:00 PM** at Wanamingo Community Center at City Hall - 401 Main Street, Wanamingo, MN 55983.

The meeting will discuss scheduling inspections, length of inspections, proper sump pump connections and other miscellaneous items related to the Program.

Information from the meeting will be posted in the [Notices](#) section.

Learn more about the program below.

- [Who is getting an inspection?](#)

Scheduling and Info Website WanamingoSump.com

Schedule Inspection

This building does not have an inspection scheduled.



Schedule Inspection

Select a time for an inspection of 1



Edit Notes

Provide special instructions for inspectors or other information about your property.

Scheduling and Info Website WanamingoSump.com

Scheduling Calendar

whks

			1	2	3	4	April 22 Click the time below to schedule. 7:15am - 7:30am 7:30am - 7:45am 9:15am - 9:30am 9:45am - 10:00am 10:30am - 10:45am 11:00am - 11:15am 11:15am - 11:30am 11:30am - 11:45am 11:45am - 12:00pm 12:00pm - 12:15pm 12:15pm - 12:30pm 12:45pm - 1:00pm 2:00pm - 2:15pm 2:15pm - 2:30pm 2:30pm - 2:45pm 2:45pm - 3:00pm 3:00pm - 3:15pm 3:15pm - 3:30pm 3:30pm - 3:45pm 3:45pm - 4:00pm 5:00pm - 5:15pm 5:15pm - 5:30pm 5:45pm - 6:00pm 6:00pm - 6:15pm
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	

Scheduling and Info Website WanamingoSump.com

Resident Welcome Screen

Schedule Inspection

You have an inspection appointment scheduled for April 21, 8:00 AM



Schedule Inspection

Select a time for an inspection.



Edit Notes

Provide special instructions for inspectors or other information about your property.

Scheduling and Info Website WanamingoSump.com

Resident Log Out & Appointment Confirmation

You are Logged Out

Yay!

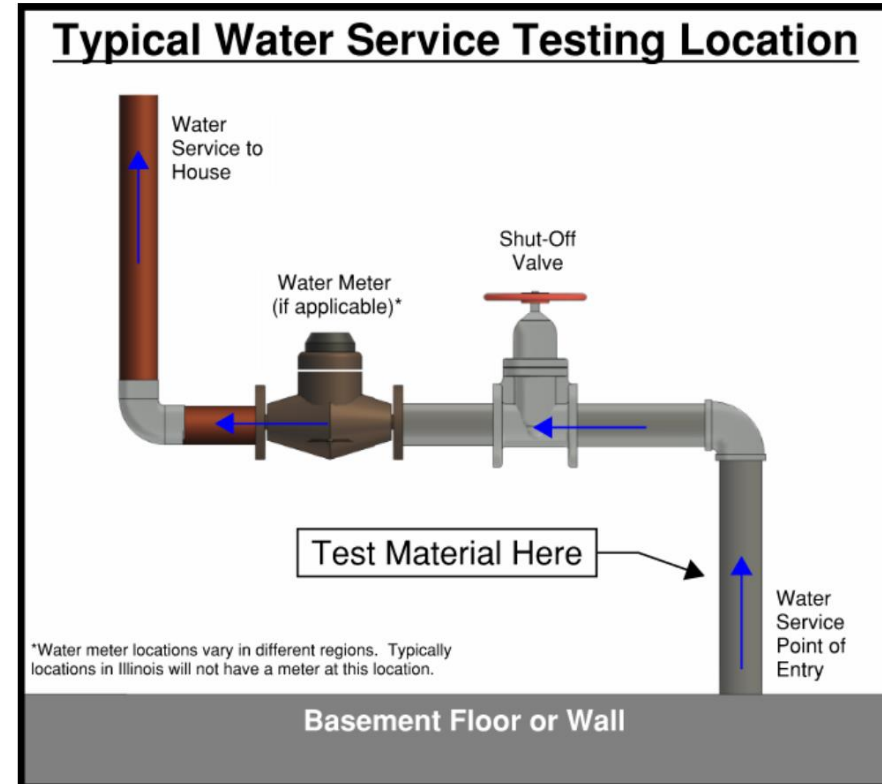
You have logged out. You have an inspection appointment scheduled

The Inspection

- ▶ Completed in under 15 minutes, many under 5 minutes
- ▶ Adult must be present
- ▶ Inspector looks at:
 - Sump pumps
 - Beaver drains
 - Roof drains
 - Site grading
 - Water Service Material
- ▶ Notice of Violation and instructional diagrams given, if needed

Water Service Material Inventory

- ▶ Inventory mandates water services by revised Lead and Copper Rule by the EPA.
- ▶ Water Service line connects your homes system to the water main (typically in the street).
- ▶ Property owners with lead or galvanized services will be notified.



Inspector Identification

WANAMINGO - SUMP INSPECTOR



Example

CITY OF WANAMINGO

BRET BAUMBACH

whks



All inspections are scheduled



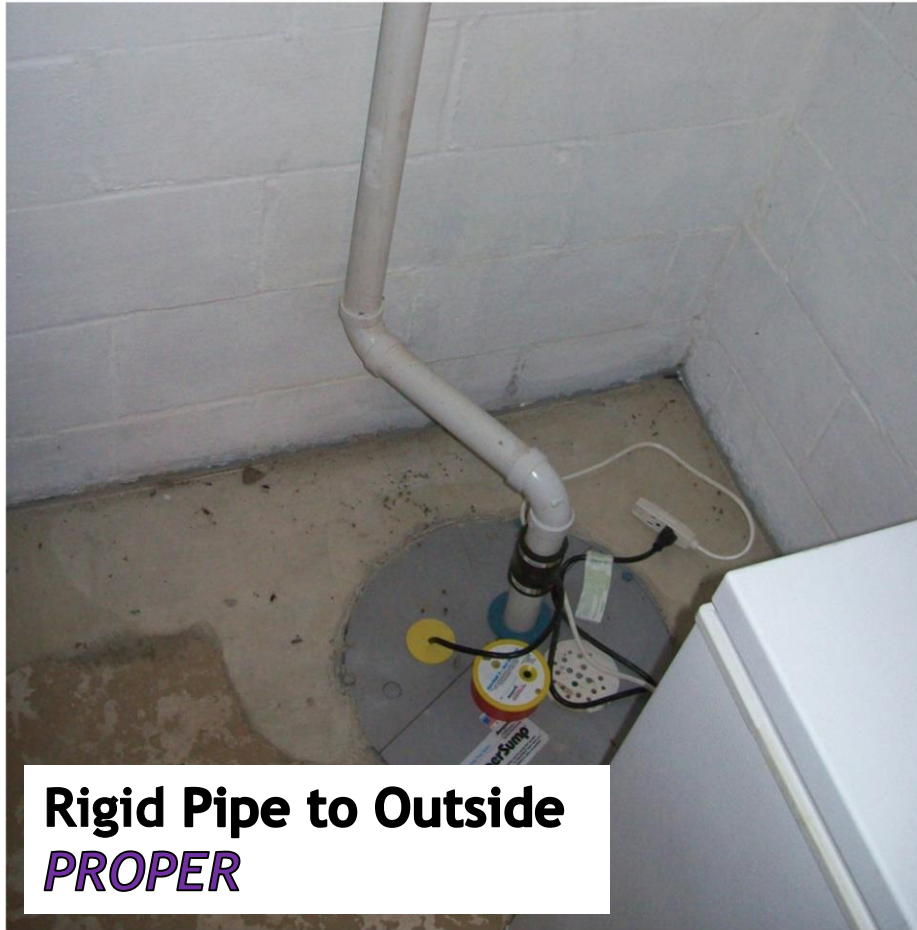
No door-to-door



WHKS logos on:

Badges
Clothing
Vehicles

Installation Examples: Sump Pumps



Rigid Pipe to Outside
PROPER

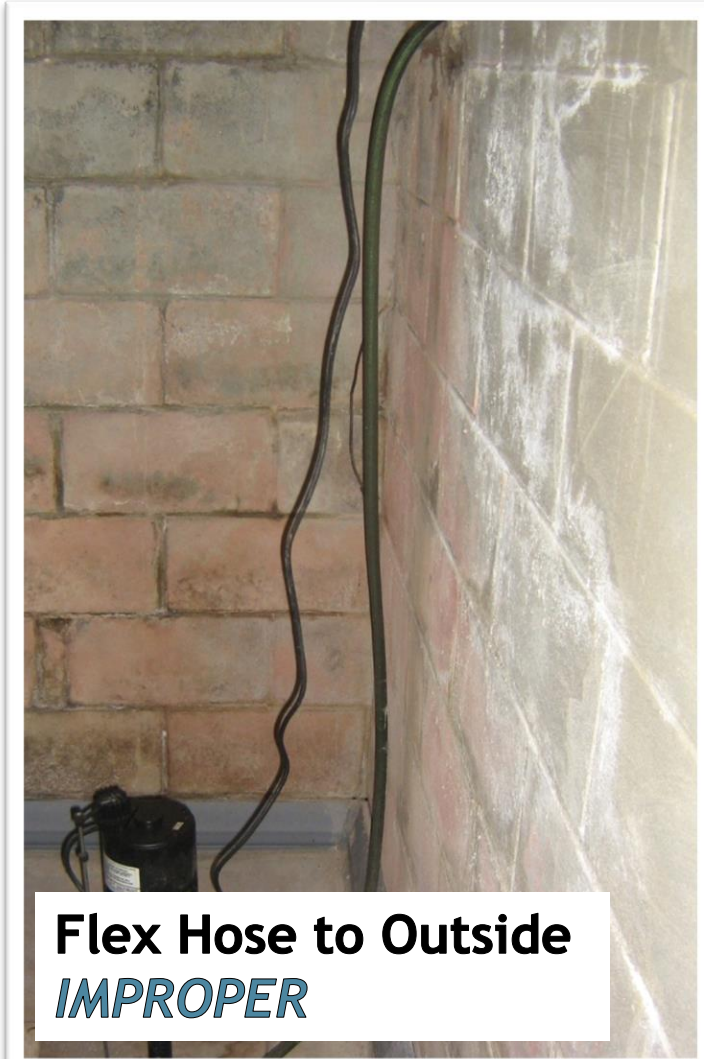


Flex Hose to Drain
IMPROPER

Installation Examples: Sump Pumps



Rigid Pipe to Outside
PROPER

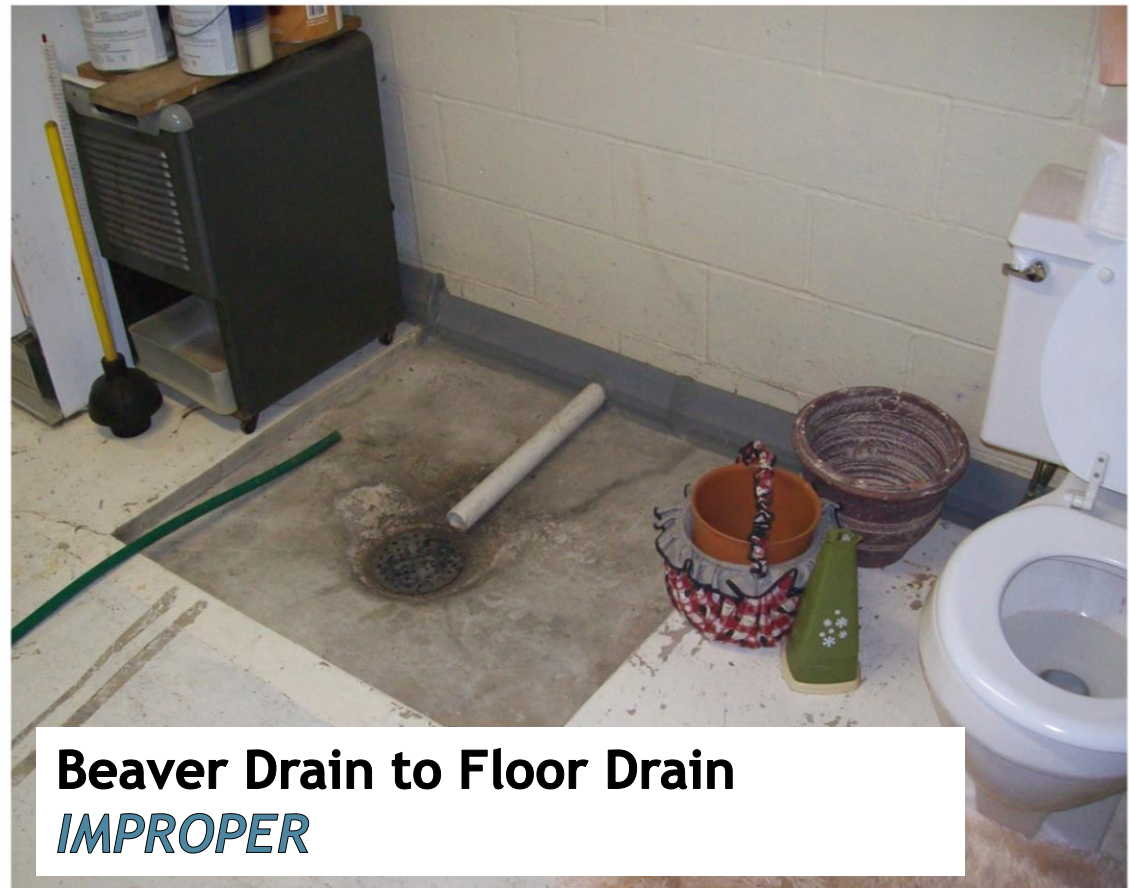


Flex Hose to Outside
IMPROPER

Installation Examples: Beaver Drains



Beaver Drain to Sump Pit
PROPER



Beaver Drain to Floor Drain
IMPROPER

Installation Examples: Beaver Drain/Tile



Installation Examples: Sump Pump with Direct Connection



Rigid Pipe to Outside
PROPER



Sump Pump to Floor Drain
IMPROPER

Inspection Form

Inspector _____
Plumbing License # _____

Page 1 of 2

City of Wanamingo Sump Pump Inspection Report

A. Initial Inspection

- Owner and Address:
 - Owner Name(s): _____
 - Address: _____
 - Occupant(s) Name (If different than owner): _____
 - Owner Address (If not current occupant): _____
 - Date of Initial Inspection: _____
 - What Year was the Building Constructed in? _____ (ex. 1959)
 - Building Type (Residential, Apt., Commercial, Industrial, etc.): _____
 - History of Backups or Flooding? Yes No
If marked yes, please provide previous flooding dates, source of the flooding (if known), and any actions taken: _____
 - Does building have:
 - Yes No Exterior grading slopes towards the building?
 - Yes No Roof drains that go into the ground?
 - Yes No Basement?
 - Yes No Seepage collection (beaver) system?
 - Yes No Sump pit?
 - If building has a **roof drain** that goes into the ground, which of the following apply?
 - It is properly constructed to discharge to open air or storm system.
 - It is improperly constructed to discharge into the sanitary sewer system.
 - Discharge location not determined.
 - If there is a **seepage collection (beaver) system**, which of the following apply?
 - It is properly constructed to discharge into a sump pit.
 - It is improperly constructed to discharge into the sanitary sewer system.
 - Discharge location not determined.
 - If there is a **sump pit**, which of the following apply?
 - Pump is properly installed to discharge outside the basement through rigid piping.
 - Pump is improperly installed to discharge into the sanitary sewer system.
 - Pump has the capability of discharging into the sanitary sewer system (ex. flex hose).
 - There is a pit with no pump. Plumbing is checked as (a) (b) or (c) if present.
 - Discharge location not determined.
 - Other Comments (exterior drains, uncapped cleanouts, inactive sump pit, etc.): _____
 - Photos Taken of Interior Sumps and Collection System and Building Exterior? Yes No
 - If 6b, 7b, 8b or 8c is checked, a Violation Notice will be given to the Occupant or Owner directing them to correct the violation before the following date: _____
 - Water Service Material (Lead, Galvanized, Copper, Plastic): _____
- PASS** _____ **FAIL** _____ **CITY FOLLOW-UP** _____

Property Address _____
Page 2 of 2

DIAGRAM: roof drains into ground, exterior drains, improper grading, sump pits and pumps, sump pump discharges, beaver systems, sanitary grinder pumps, etc.

B. Subsequent Inspection

- Date of Subsequent Inspection: _____
- Inspection Conducted by: _____
- Does the Building now comply with the Applicable Ordinance for the City of Wanamingo?
 Yes No

I hereby verify that the City Representative has inspected the above-described sump pump and the information set forth above is true and correct to the best of my knowledge.

Occupant/Owner _____

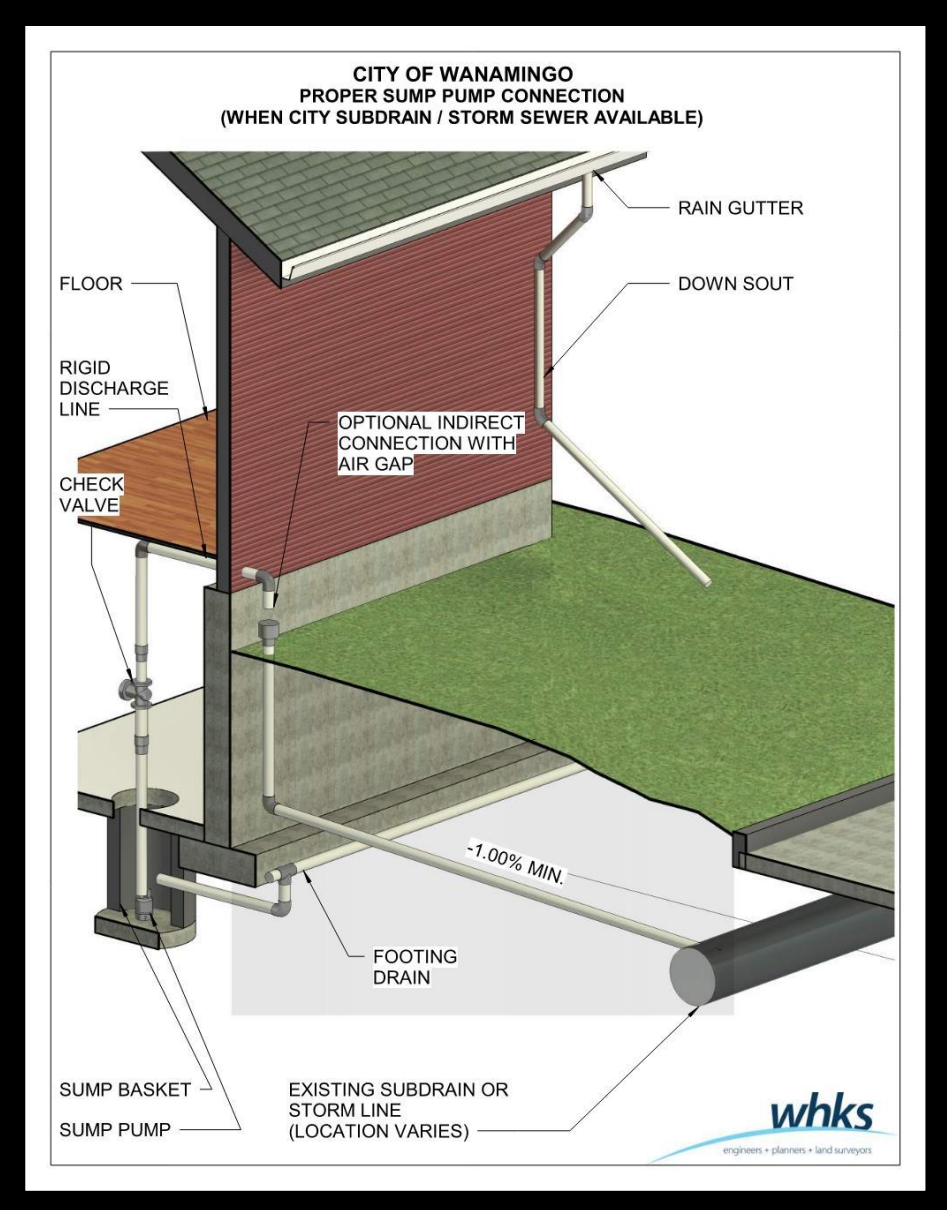
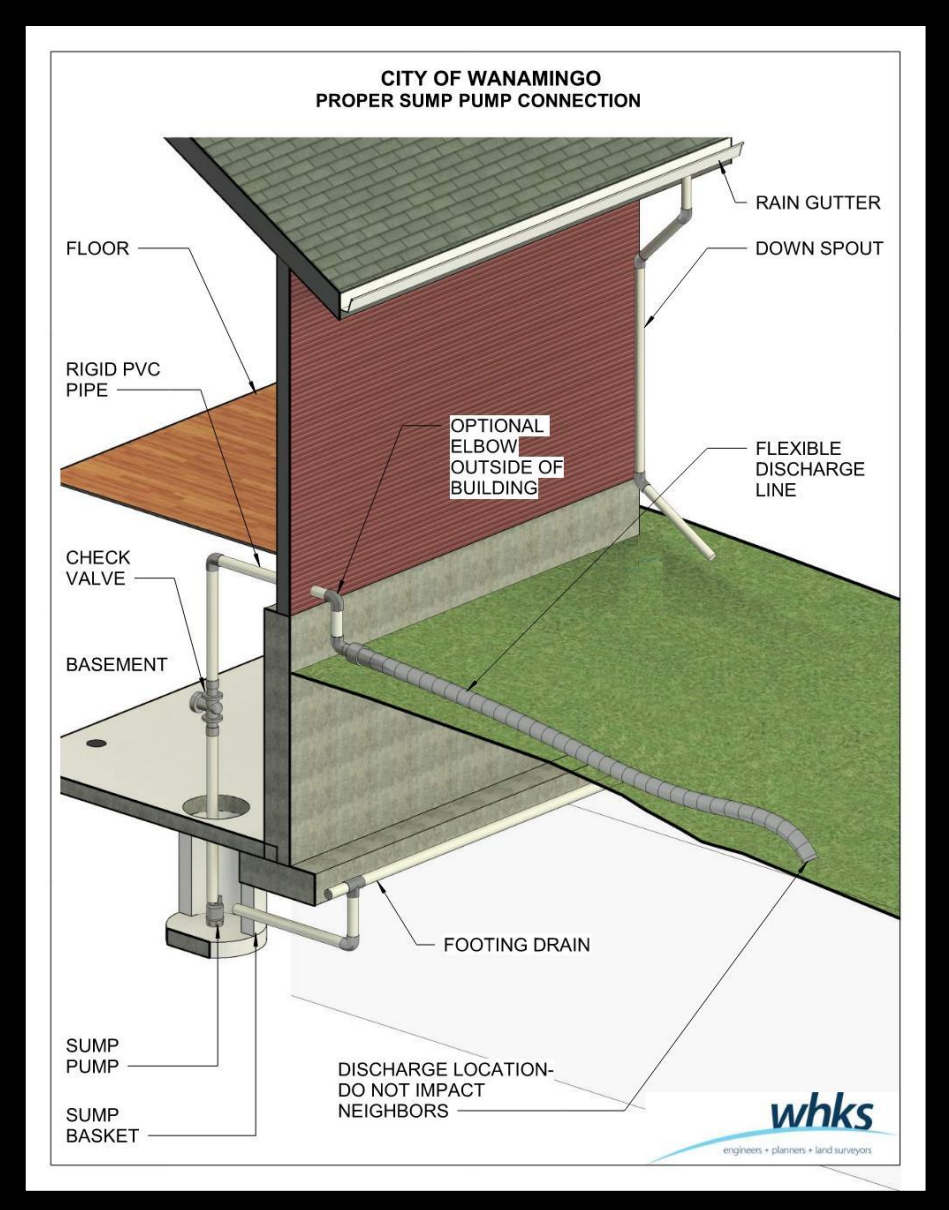
Date: _____

I hereby verify that the City Representative has inspected the above-described sump pump and the information set forth above is true and correct to the best of my knowledge.

City Representative
(Plumbers Sign with License Number)

Date: _____

Sump Pump Diagrams



Approximate Inspection Timeline

Item	Date
Public Information Meeting	August 29, 2024
Sump Pump Inspections	August - October 2024
All Inspections Completed	Dec. - Jan. 2024

Next Steps

1. Wait for scheduling letter to arrive.
2. Then contact us by phone or login to website to schedule the appointment.



Questions?



Contact and Project Information

- ▶ Contact/ Project information
 - Bryan Kaemingk, P.E. (507) 288-3923
 - Scheduling Website: WanamingoSump.com
 - Call Toll- Free: (833) 509-0270