



THINGS YOU CAN DO TO REDUCE STORMWATER POLLUTION

- Use fertilizers sparingly and sweep up driveways, sidewalks, and gutters
- Never dump anything down storm drains or in streams
- Vegetate bare spots in your yard to minimize erosion
- Compost your yard waste or utilize City yard waste lot located on the corner of Ninth St and Warren Barrett
- Use the least toxic pesticides and follow labels to prevent misuse
- Direct downspouts away from paved surfaces; consider a rain garden to capture runoff
- Take your car to the car wash instead of washing it in the driveway
- Check your car for leaks and recycle your motor oil
- Pick up after your pet- dispose of waste by placing in the trash, or flushing down sanitary sewer
- Have your septic tank pumped and system inspected regularly

For additional information visit : www.epa.gov/npdes/stormwater



3 Industrial Loop Drive
PO Box 1589
Hannibal, MO 63401-1589

Hours:
Monday-Friday 7:30am - 4:30pm
Saturday-Sunday Closed

Phone (573) 221-8050
After Hours (573) 221-0955
Fax (573) 221-7522

www.HANNIBALBPW.org

- @HannibalBoardofPublicWorks
- @HBPW
- @HannibalBPW
- Hannibal Board of Public Works



Published January 2019



Stormwater Utility What You Should Know



Stormwater inlet filled with trash and debris



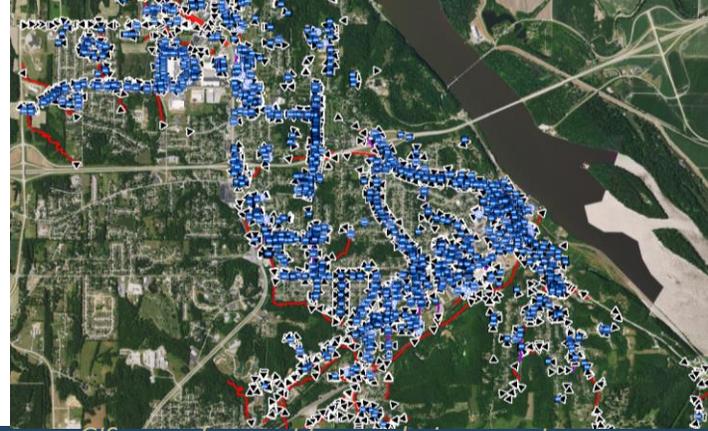
ELECTRIC WATER SEWER STORMWATER

(573) 221-8050

www.HANNIBALBPW.org



Failing storm sewer on South 7th Street



GIS map of current known drainage system



Failing storm sewer near St. Elizabeth Hospital

WHAT IS STORMWATER?

Every time it rains, water runs off the land as stormwater. Other forms of precipitation, such as melted snow and ice are also stormwater. Stormwater runoff typically flows into the stormwater drainage system.

WHY IS IT IMPORTANT TO MANAGE STORMWATER?

Effective stormwater management programs focus on controlling both the volume and quality of water that enters the drainage system and local waterbodies. The stormwater drainage system consists of storm drains, storm sewers, ditches, detention basins and streams. Routine maintenance enhances conveyance of stormwater, reduces localized flooding and promotes public safety.

WHAT IS A STORMWATER UTILITY?

A stormwater utility operates similar to water and wastewater utilities, where the funding source is primarily user fees. A stormwater utility fee is typically based on a property's impervious area. Stormwater utility fees provide a dedicated, stable, and equitable revenue source for stormwater improvements, and allows for proactive management of the system.

WHAT IS IMPERVIOUS AREA?

Impervious area refers to hardscaped or compacted surface that restricts stormwater from being absorbed into the ground at the same rate natural surfaces such as grass and wooded areas do, causing an increase in stormwater runoff.

As impervious area increases, runoff volume increases, and discharges to surface waterbodies more quickly. This increased runoff volume and rate may exceed the capacity of the drainage system and lead to localized flooding. Many of the storm sewer systems throughout the City of Hannibal are inadequately constructed to meet current standards, and have been failing at increasing rates, as the infrastructure ages.

With an adequately funded, dedicated revenue source, stormwater programs have the ability to address failing infrastructure, perform condition assessments throughout the system, have regular operations and maintenance schedules, define right of ways, and plan and implement capital projects.

Examples of impervious surface include buildings, sheds, patios, decks, porches, driveways, loading docks, parking lots, sidewalks, compacted clay and gravel, and other similar non-porous areas. The more impervious area a property has, the more stormwater will runoff into the stormwater drainage system.

Stormwater runoff picks up pollutants including trash, animal waste, fertilizers and pesticides, sediments and petrol by-products as it flows over land. Pollutants can be harmful to the environment including humans, animals, and plants. The program aims to reduce these pollutants through education, outreach, and illicit discharge detection.



The mission of the Hannibal Board of Public Works is to provide safe, reliable utility products with excellent customer service at reasonable prices.

You can report illicit discharges by calling the HBPW, or anonymously report the incident online.

(573) 221-8050

www.HANNIBALBPW.org