



RAYMORE

development services

816-331-1803

SUMP PUMP & DRAINAGE REGULATION

WHY REGULATE?

Sump pump discharge directed towards adjacent properties and roadways can create problems such as unwanted water for the neighbor, ponding if there is too much water and scouring of the land if the water flow is too great.

Establishing a minimum setback for discharge pipes from a property line provides ground area that can absorb the water and allow infiltration instead of simply directing the water onto an adjacent property. Sump pump discharge directly to city streets can create nuisance problems such as algae buildup and slick wet spots in the summer months and icing in the winter months.

Constant discharge of water can also reduce the life of the curb and street surface, increasing maintenance costs for the City.

SUMP PUMP & DRAINAGE FAQ

Can a discharge pipe be installed out to the curb?

Yes, but the pipe must be disconnected on the private property to a point at least 5 feet from the right-of-way line between November 1 and April 1.

Can a discharge pipe be connected directly to a sanitary sewer?

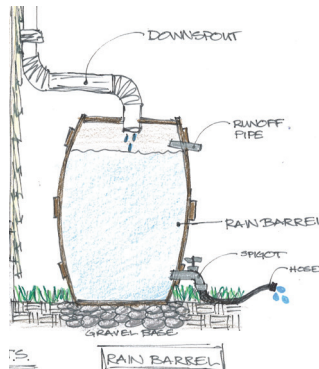
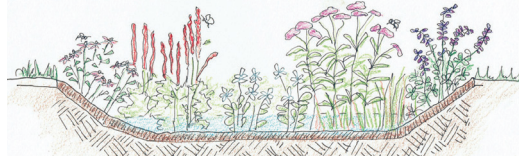
No. Treatment of clear water is unnecessary, increases the cost of sewage treatment and can overwhelm the treatment system during a rain event.

Can discharge pipe be connected directly to a storm sewer inlet?

Yes, but the ideal "green" solution is to discharge the water into an area where the water can be absorbed in the ground. This allows the water to recharge the water table instead of being directed downstream and potentially creating erosion or flooding problems. A permit is required to connect to the storm sewer inlet.

Are there any green solutions?

Yes, consider establishing a rain garden at the discharge point. A **rain garden** is a depressed area of the yard that contains water loving plants that help absorb the discharged water and provides an environmentally friendly and aesthetic method of controlling the water.



A **rain barrel** is another option to collect stormwater to be reused for watering flowers and plants.

Installation of a **French drain** allows the water to be dissipated throughout the yard area. Care should be taken that the lines will not freeze in the winter and that there are adequate lineal feet of perforated pipe necessary to dissipate the amount of water being discharged. More information is available on the **Mid-America Regional Council** website at www.marc.org

How close to an adjacent property line can a discharge pipe be located?

5 feet. A discharge pipe should not be directed towards an adjacent property since the water could create a problem for your neighbor. Maintain positive drainage flow away from your foundation and direct the water flow into an area of yard where the water can be absorbed into the ground.

PROHIBITED LOCATIONS FOR SUMP PUMP DISCHARGE PIPES

Sump pump discharge pipes shall not:

- Discharge water directly to the sanitary sewer
- Discharge water at a point closer than 5 feet from an adjacent property line
- Discharge directly to the curb line, or anywhere within 5 feet of the street right-of-way, between November 1 and April 1
- Connect directly to a storm sewer line
- Cross over any sidewalk or trail
- Be cut directly into a curb line

QUESTIONS ABOUT DRAINAGE?

Code Enforcement

816-892-3027

Public Works - Engineering

816-331-1852