

RESIDENTIAL DOWNSPOUT DISCONNECTION

WHAT IS DOWNSPOUT DISCONNECTION?

Downspout disconnection is the practice of disconnecting the downspout from a pipe or paved area to redirect water from rain and snow melt to areas where it can soak into the ground. The water from rain and snowmelt can overwhelm the sewer pipes, often leading to street flooding, basement backups, and sewage overflows directly into our neighboring water-ways. Disconnecting downspouts helps to reduce runoff and ultimately lessen the stress on the sewer system.



WHAT YOU NEED TO KNOW

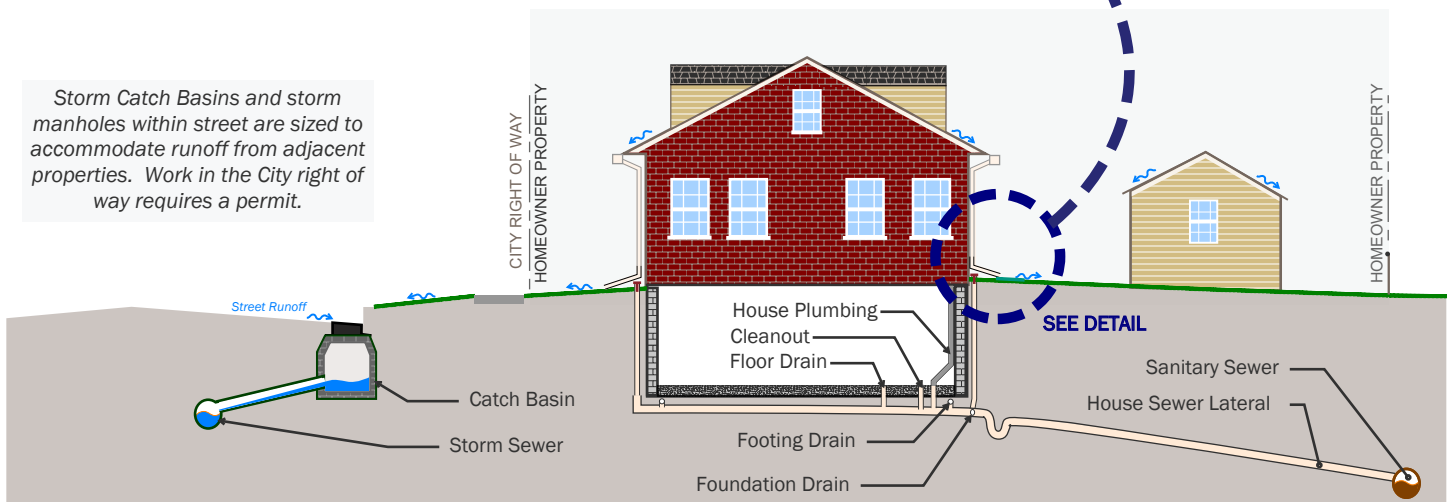
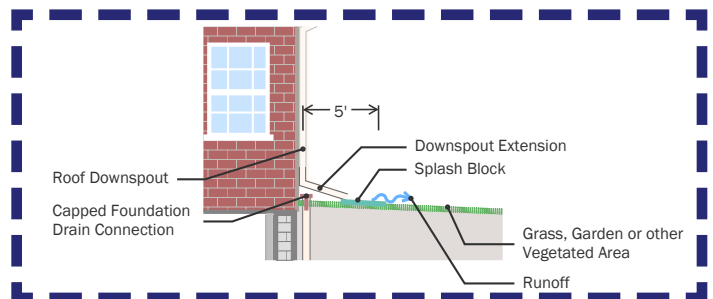
All residential downspouts connected to the City of Grosse Pointe Park Sanitary Sewer System must be disconnected and routed to pervious areas whenever possible.

Downspouts should direct water away from buildings and adjacent property, with discharge points located five feet from the buildings.

Residents are encouraged to use rain barrels, rain gardens and other green infrastructure to help infiltrate runoff.

Contact the City of Grosse Pointe Park DPW at (313) 822-5100 for assistance in evaluating downspouts and identifying possible areas to divert runoff.

DOWNSPOUT DISCONNECTION DETAIL














Storm Catch Basins and storm manholes within street are sized to accommodate runoff from adjacent properties. Work in the City right of way requires a permit.

RESIDENTIAL DOWNSPOUT DISCONNECTION

RECOMMENDED STEPS TO DISCONNECT YOUR DOWNSPOUT

- 1 Contact the City Building Department about completing a building permit.
- 2 Locate the connection between the downspout and the storm drain and measure 9 inches from where the downspout enters the storm drain pipe.
- 3 Cut the downspout with the hacksaw where it was measure and right above where the downspout enters the pipe.
- 4 **For Bell Shape Pipe:** cut a 1 foot by 1 foot amount of chicken wire and form it into a cup shape. Place it into the pipe just below the bell. Add crumpled newspaper on top of the mesh (to help ensure the concrete does not leak down into the sewer). Mix the concrete according to directions and add concrete until it is flush with top of bell.
- 5 **For Straight Pipe:** Cap the sewer pipe to prevent water from entering. A rubber cap secured by a hose clamp may be used. Use screwdriver or ratchet to tighten the cap until it is secure.
- 6 Insert the downspout into the elbow. If necessary, crimp the end of the downspout with a pair of pliers to get a good fit. Secure downspout with a screw or rivet.
- 7 A 5-foot downspout extension is recommended to carry stormwater away from foundations, sidewalks, and driveways. It is critical to ensure that the disconnected downspout does not cause a hazard or nuisance to neighboring properties.

MATERIALS NEEDED FOR DISCONNECTING DOWNSPOUTS

-  Work Gloves
-  Eye Protection
-  Dust Mask
-  Hacksaw
-  Measuring Tape
-  Marker
-  Pliers
-  Screwdriver
-  Downspout elbow and extension
-  Rubber cap with hose clamp
-  Concrete, chicken wire, newspaper, and a bucket


ADDITIONAL RESOURCES

Scan Here!

Sec. 7-10. Certificate of Occupancy and Use.

It shall be unlawful for any person, firm or corporation to hereafter occupy or continue to occupy or for any person, firm or corporation to hereafter use any existing occupied dwelling or structure or part thereof, for any purpose, unless a certificate of occupancy has been issued by the Building Department for such dwelling or structure, and such certificate has not expired or been revoked. A certificate of occupancy and use is required by the Building Department for a dwelling or structure or part thereof which is used for residential purposes.

City of Grosse Pointe Park
Permits



Water & Sewerage

Detroit Water and Sewerage
Drainage Program Guide
Department
Green Stormwater Infrastructure (GSI)



Downspout disconnection is required for all downspouts that connect directly to the sanitary sewer or storm drain system.

Downspouts that are not connected to the sanitary sewer or storm drain system shall not be disconnected. Downspouts that are not connected to the sanitary sewer or storm drain system shall not be disconnected. Downspouts that are not connected to the sanitary sewer or storm drain system shall not be disconnected.

United States Environmental Protection Agency (EPA)



Note: Downspout disconnection may not be appropriate for all locations. Consider local conditions.

