



Stormwater Utility

City of Saint Peter

Annual Report
2009

Stormwater Overview

Stormwater Collections

Have you ever wondered what happens to water when it rains? Who takes care of it? Where does it go? Once a raindrop hits the ground it either soaks into the ground or it is removed through the existing catch basins and pipes located throughout Saint Peter. Depending on where you live in town, your stormwater is carried to different regional areas for either treatment or disposal to the Minnesota River.

The City currently has 35 miles of piping and 1,515 catch basins, which are maintained by City staff. There are also 19 different drainage districts located through the City. In 2009, City staff worked along with the Minnesota Department of Transportation to correct our storm sewer on Minnesota Avenue thru the economic stimulus plan. These corrections included 1.5 miles of new storm sewer pipe ranging from 12" pipe to 60" pipe and adding 120 new catch basins with sediment removal. The stormwater infrastructure has an estimated replacement value of \$22,200,000.00.



Stormwater Treatment

What is a Stormwater pond? Stormwater ponds are designed to detain or slow down the stormwater, which trap and settle most of the solid material carried by stormwater. Removal of the sediment improves water quality and helps reduce contaminant loads into rivers or lakes.

In 1990, in an effort to be proactive anticipating ensuing legislation, the City of Saint Peter made a decision to implement stormwater ponds in new developments. This means that a new development would be required to provide an area which would collect the stormwater from their development and treat it on site. Currently the City has 20 stormwater ponds. These areas are maintained throughout the year by City staff, some of the maintenance includes mowing, trimming of trees, solids removal, and trash pick-up.

Construction Activities

In 2009, ten new homes were constructed in Saint Peter. When a new home is being constructed, the stormwater utility inspects the water and sewer services to assure that City standards for construction are met. One new commercial building also requested new services. City staff review plans for these construction projects and provides inspection on the projects.

City staff also requires permits for work to be completed in the right-of-way and on private property. Much work was completed as 400 right-of-way permits were obtained and 41 private property permits were obtained. This kept crews busy inspecting properties and making sure restoration was completed properly to minimize erosion from the site and to protect our most valuable natural resource - water.

City staff spent 1,066 hours inspecting new water main, sewer main, storm sewer main, and individual services on the Minnesota Avenue project. Shafter Construction installed 8,468 feet of new water main and a half of mile of new sewer main. Staff was busy inspecting and making sure things were installed according to the City Standards.



Lowering of a water main on
Broadway Avenue & Minnesota Avenue

Locating Utility Lines

	White - Proposed Excavation
	Pink - Temporary Survey Markings
	Red - Electric Power lines, cables, Conduit and Lighting Cables
	Yellow - Gas, Oil, Steam, Petroleum or Gaseous Materials
	Orange - Communications, Alarm or Signal Lines, Cables or Conduit
	Blue - Potable Water
	Purple - Reclaim Water, Irrigation and Slurry Lines
	Green - Sewers and Drain Lines

The State of Minnesota requires that persons involved with excavation projects contact Gopher State One Call (GSOC) prior to starting work. As a utility owner, the owner is required to locate their underground utilities. The Stormwater Utility completes the locating for the Water, Sewer, and Stormwater Utilities. Approximately 1,434 locates were completed in 2009. The majority of locates occur during the months of April through October.

Have you ever wondered what the markings mean? Each utility has a specific color of paint or flags they use to represent their utility. When a homeowner or contractor calls GSOC and requests a locate, a ticket is produced stating what area is to be located and processed to each utility. The locator has 48 (business) hours, excluding weekends and holidays to locate the utility and coordinate any requirements to the contractor. After meeting the time frame for proper identification, the homeowner/contractor can proceed with their work. If you are planning on doing any excavations, please call Gopher State One Call at 1-800-252-1166 or dial 811 and your call will be directed to an operator.

Stormwater Pollution Prevention Plan

On February 15, 2007 application was made to the Minnesota Pollution Control Agency for coverage under a General Stormwater Permit. The permit will expire on May 31, 2011. Staff is currently attending meetings with the Minnesota Pollution Control Agency on the new permit language. This application includes a Stormwater Pollution Prevention Plan (SWPPP) that requires implementation and enforcement of the SWPPP including educational components, Best Management Practices (BMP's) and measurable goals including language on the phosphorous total maximum daily load (TMDL). Saint Peter is required by this permit to address six minimum control measures. The six minimum control measures are:

1. Public education and outreach; and
2. Public participation/involvement; and
3. Illicit discharge detection and elimination; and
4. Construction site stormwater runoff control; and
5. Post-construction stormwater management in new development and redevelopment; and
6. Pollution prevention/good housekeeping.

This past year the Stormwater Utility spent time implementing the SWPPP. Staff completed 38 Best Management Practices.

Website Sources for Stormwater Information

Gopher State One Call: www.gopherstateonecall.org/

Minnesota Pollution Control Agency: www.pca.state.mn.us/

Minnesota Pollution Control Agency: www.pca.state.mn.us/water/tmdl/index.html

Minnesota Pollution Control Agency: www.pca.state.mn.us/stormwater/index/html

Stormwater Staff

The City of Saint Peter currently staffs a Stormwater Foreman, a Construction Operator and a Stormwater Operator to meet the state and federal requirements.



Stormwater Budget

The Stormwater Utility has an operating budget of \$504,500.00 and capital improvements budget of \$609,194.00

The fee for residential stormwater is \$22.50 per month for one acre of land. The average residential lot is 1/3 of an acre in size resulting in a fee of \$7.50 per month for stormwater.

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