

Infrastructure Projects:

- **Old Town Street & Storm Water Drainage Improvement Project Phase VIIA :**

The City began and completed the design of the 7th phase of the Old Town Street & Storm Water Drainage Improvement Project. The master plan for the Old Town area references eleven areas in Old Town that are in need of a proper storm water drainage system along with street renovation. These new projects consist of installing storm water drainage pipe, connecting it into the nearest storm water drainage system, then following it up with new concrete curb and guttering along with a new asphalt overlaid street. The master plan is subject to change over time in which more phases are anticipated to be added to the plan. Phase VIIA (800 Block of Clark Street) began construction in November 2009 and is anticipated to be completed in early spring 2010.



**Construction began November 2009 for the
Old Town Street & Storm Water Drainage Improvement Project Phase VIIA
800 Block of Clark Street.**

- **MSD Storm & Sanitary Sewer Projects Reviewed, Administered, & Monitored:**
Projects which are currently in the Design Phase

Project Name: Coldwater Creek Sanitary Relief, Section A, Phase II

Ward 9

Project Purpose:

Increase conveyance capacity of the Coldwater Trunk Sewer. The existing sewer has inadequate capacity during wet weather events due to the inflow and infiltration of storm water into the sanitary collection system.

Description of Improvements:

Phase II consists of the construction approximately 2,300 feet of 90-inch diameter from a point about 1,000 feet east of North Lindbergh westward to a point about 1,000 feet west of Lindbergh within the common grounds of Parc Argonne Forest.

Project Status: Design has been completed and construction is planned for Fiscal Year 2010. Estimated construction cost is \$8,500,000. This phase of the project primarily consists of tunnel construction.

Project Name: Coldwater Creek Sanitary Relief, Section A, Phase III

Ward 9

Project Purpose:

Increase conveyance capacity of the Coldwater Trunk Sewer. The existing sewer has inadequate capacity during wet weather events due to the inflow and infiltration of storm water into the sanitary collection system.

Description of Improvements:

Phase III consists of the construction approximately 6,200 feet of 90-inch diameter from a point about 1,000 feet west of Lindbergh within the common grounds of Parc Argonne Forest to a point about 1,000 feet west of New Halls Ferry Road.

Project Status: Design has been completed and construction is planned for Fiscal Year 2010. Estimated construction cost is \$6,500,000.

Project Name: Coldwater Creek Sanitary Relief, Sections B, C, D (Pre-design Study)

Ward 9

Project Purpose:

Evaluation of the alternative solutions to the wet weather capacity restrictions of the existing Coldwater Creek Trunk sewer from New Halls Ferry Road west and southward to a point south of Lambert International Airport.

Description of Improvements:

Concept details of the preferred solution are currently being finalized. It is anticipated that the solution will be the construction of wet weather storage facilities with possibly some relief sewer construction. There is no plan to construct the storage facilities within the City of Florissant. However, additional relief sewer construction may be required within Florissant.

Project Status:

- Pre-design study completed in July 2006.
- Final Design to be completed in Fiscal Year 2010.
- Construction schedule to be determined.

Project Name: Brightwell Court Sanitary Relief (Preliminary Design)

Ward 6

Project Purpose:

Increase conveyance capacity of sanitary sewers. The existing sewer has inadequate capacity during wet weather events due to the inflow and infiltration of storm water into the sanitary collection system.

Description of Improvements:

Construction of approximately 2,180 feet of 12-inch to 15-inch diameter sanitary relief sewer from New Florissant Road southwest to Woodbridge, then south along Woodbridge, west along North Highway 67 and south along Brightwell Court.

Project Status:

Design was funded in Fiscal Year 2006 for \$350,000.

Construction is tentatively funded for Fiscal Year 2011 for \$2,420,000.

Project Name: Flight Drive Storm Sewer Relief

Ward 4

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in March 2009 with an estimated construction letting for March 2010. Estimated construction cost is \$45,000.00.

Project Name: Fountain/Anthony Lateral Sanitary Relief Project

Ward 6

Project Purpose:

To alleviate basement backups and overcharged sanitary sewers. Three sanitary bypasses will be removed.

Description of Improvements:

Construction of approximately 9,340 feet of 8 inch to 36 inch diameter sanitary sewer from the Coldwater Trunk Sewer north of Lindbergh Boulevard, south and east along St. Ferdinand Street and Fountain Creek to New Florissant Road.

Project Status:

MSD's Board of Trustees has approved a design contract. Construction is estimated to begin in Fiscal Year 2012.

Project Name: Gallant Fox Drive Storm Sewer Relief

Ward 6

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in February 2010 with an estimated construction letting for July 2010. Estimated construction cost is \$150,000.00.

Project Name: Kingsley Drive Storm Sewer Relief

Ward 8

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in March 2010 with an estimated construction letting for September 2010. Estimated construction cost is \$37,000.00.

Project Name: Lindbergh & Patterson Storm Sewer Relief

Ward 2

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in June 2010 with an estimated construction letting for November 2010. Estimated construction cost is \$150,000.00.

Project Name: Moule Drive #290 Storm Sewer Relief

Ward 4

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in May 2010 with an estimated construction letting for October 2010. Estimated construction cost is \$50,000.00.

Project Name: Myrtle Drive #425 Storm Sewer Relief

Ward 4

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in July 2010 with an estimated construction letting for November 2010. Estimated construction cost is \$50,000.00.

Project Name: Naomi-Keeven-Lindsay-Ronda-Ruth Storm Sewer Relief

Ward 3

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design was completed in March 2009 with an estimated construction letting for March 2010. Estimated construction cost is \$250,000.00.

Project Name: CC-013 New Halls Ferry Road/

Greenway Chase Drive/Patterson Road Storm Sewer Relief

Ward 4

Project Purpose:

Alleviate area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate problem area flooding.

Project Status:

Design is estimated to be completed in March 2010 with an estimated construction letting for August 2010. Estimated construction cost is \$300,000.00.

Project Name: Paddock Creek Sanitary Relief

Wards 8 & 9

Project Purpose:

Increase conveyance capacity of the sanitary sewer system. The existing sewer has inadequate capacity during wet weather events due to the inflow and infiltration of storm water into the sanitary collection system.

Description of Improvements:

Construction of approximately 13,000 feet of 18-inch to 42-inch diameter sanitary relief sewer from Avon Drive southeastwardly along Thunderbird and North Waterford Drives, to Parker Road then to Derhake Road.

Project Status:

Preliminary Design study was funded in Fiscal Year 2006 for \$500,000 (funding from the voter approved February 2004 Proposition Y revenue bond ballot referendum)

Final Design is tentatively funded in Fiscal Year 2010 for \$1,000,000 (funding from the voter approved February 2004 Proposition Y revenue bond ballot referendum)

Construction is tentatively funded in Fiscal Year 2010 for \$5,600,000.

Project Name: Paddock to Waterford Storm Channel (Preliminary Design) **Wards 8 & 9**

Project Purpose:

Perform an alternative solutions analysis for improvements to the existing unimproved creek between Paddock Drive and Waterford Drive, south of North Waterford Drive to correct erosion problems.

Description of Improvements:

Scope of improvements will be determined by the Preliminary Design study, subject to approval by the Missouri Department of Natural Resources and the U.S. Army Corps of Engineers.

Project Status:

Preliminary Design study began in June of 2006 for \$75,000.

Decisions regarding funding of final design and construction will be made following completion of the preliminary design studies and sequential public meetings scheduled to be held throughout 2007, 2008, and 2009.

Construction is tentatively funded in Fiscal Year 2011 for \$3,000,000.

Project Name: Patterson Lane #480 Storm Sewer Relief

Ward 4

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in May 2009 with an estimated construction letting for December 2009. Estimated construction cost is \$75,000.00.

Project Name: Rissant Drive #39 Storm Sewer Relief

Ward 6

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in July 2009 with an estimated construction letting for December 2009. Estimated construction cost is \$200,000.00.

Project Name: St. Denis Storm Sewer Relief

Ward 6

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design was completed in October 2009 with an estimated construction letting for March 2010. Estimated construction cost is \$100,000.00.

Project Name: Thunderbird Drive Bank Stabilization

Ward 6

Project Purpose:

Stabilize the failing creek banks adjacent to the 1900 & 2000 blocks of Thunderbird Drive to correct erosion problems.

Description of Improvements:

Scope of improvements will be determined by the Preliminary Design study, subject to approval by the Missouri Department of Natural Resources and the U.S. Army Corps of Engineers.

Project Status:

Design is estimated to be completed in July 2009 with an estimated construction letting for December 2009. Estimated construction cost is \$275,000.00.

Project Name: Thunderbird & Cardinal Drives Storm Sewer Relief

Ward 9

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Design is estimated to be completed in August 2009 with an estimated construction letting for March 2010. Estimated construction cost is \$100,000.00.

MSD Projects which are in the Construction Phase

Project Name: Northmoor Storm Sewer Relief

Ward 7

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Construction was completed in August 2009 with a total construction cost of \$150,000.00.

Project Name: Old Town Florissant Sewer Rehabilitation Phase II (89195A) Wards 5 & 6

Project Purpose:

Increase flow and capacity parameters of all sanitary main lines. The existing sewers have inadequate capacity during wet weather events due to the inflow and infiltration of storm water into the sanitary collection system.

Description of Improvements:

Phase II consists of the lining and rehabilitation of 25,000 lineal feet of sanitary sewer mains along with replacing manholes and installing flow meters. This project is bounded by rue St. Charles, St. Michael Street, Aubuchon Street, and St. Marie Streets

Status of Project:

- Construction began in May 2009 with a project cost of \$3,200,000 (funding from the voter approved February 2004 Proposition Y revenue bond ballot referendum) with an estimated completion time of April 2010.

**Construction Began on the Old Town Florissant Sanitary Sewer Rehabilitation Phase II Project in May 2009.****Project Name: Skylark Drive #405 Storm Sewer Relief****Ward 4****Project Purpose:**

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Construction was completed in August 2009 with a total construction cost of \$75,000.00.

Project Name: Spring Valley Drive #1370 Storm Sewer Relief

Ward 6

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Construction completed in October 2009 with a total construction cost of \$180,000.00.

Project Name: St. Anthony / St. Nicolas Lane Storm Sewer Relief

Ward 7

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Construction was completed in January 2009 with a total construction cost of \$100,000.00.



Construction was Completed on the St. Anthony / St. Nicolas Lane Storm Sewer Relief Project in January 2009.

Project Name: Washington Street #1060-980 Sanitary Sewer Relief

Ward 5

Project Purpose:

To alleviate basement backups and overcharged existing sanitary sewers.

Description of Improvements:

Construction of approximately 300 feet of 8 inch diameter sanitary sewer from 1060 to 980 Washington Street.

Project Status:

Construction was completed in June 2009 with a total construction cost of \$300,000.

Project Name: Washington #1760 Storm Sewer Phase II Relief

Ward 7

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Construction completed in November 2009 with a total construction cost of \$65,000.00.

Project Name: Mundy Drive #1480 Storm Sewer Relief

Ward 3

Project Purpose:

Alleviate rear yard and area flooding.

Description of Improvements:

Install storm sewer lines with area inlet structures in order to alleviate rear yard and area flooding.

Project Status:

Construction began in October 2007, project cost of \$200,000. Substantial completion of this project was in February 2009.