ITEM_____

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
JANUARY 8, 2008 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
Approval of Scope of FY08 Stormwater Projects	Resolution Ordinance ✓ Motion Discussion Only	Robin A. Weaver Interim Director of Public Works

SYNOPSIS
A motion is requested to approve the scopes of 14 High priority stormwater projects that will be designed in 2008. The remaining fifteenth project will be presented on January 22, 2008.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities*. An objective is *Improved Stormwater and Drainage System.*

FISCAL IMPACT
There is $37,895,000 in the five-year CIP budget for stormwater projects. The work, as outlined in the scopes, will adhere to the FY08 Stormwater Improvement Fund Budget, which provides $6.5 million for capital improvements.

RECOMMENDATION
Approval on the January 15, 2008 consent agenda.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. The Stormwater and Floodplain Oversight Committee held public meetings on December 6 and 13, 2007, to seek public input and recommend approval of the scope of 14 projects for Village Council approval. The fifteenth project is scheduled to be presented to the Stormwater and Floodplain Oversight Committee on January 10, 2008.

The following is the list of the 14 projects:

- Brooke Drive and Centre Circle Drainage Improvements
- Maple and Carpenter Storm Sewer Replacement and Realignment
- St. Joseph Creek Dredging
- Fairmount Storm Sewer Repairs
- Lacey Creek Retaining Wall Replacement
- Parrish Court Drainage Improvements
- Venard and Acorn Storm Sewer Replacement
- Dunham Place Storm Sewer Improvements
- Barneswood Storm Sewer Replacement
- North St. Joseph Subwatershed E Improvements
- South St. Joseph Creek Subwatershed J Improvements
- Prentiss Creek Subwatershed B Improvements
- Lacey Creek Culvert Joint Repairs
- Carpenter Street Storm Sewer Improvements

The fifteenth project is in North St. Joseph Creek Subwatershed E Improvements; its scope will be presented at January 22, 2008 Council Workshop.

The scopes of the above listed projects can be found in the Stormwater and Floodplain Oversight Committee packets the Village Council received following the committee's December meetings. Staff encourages the Village Council to bring those packets to the Council Workshop on January 8, 2008. In addition, those staff reports and CIP sheets have been attached hereto. The packet is also available on the Village's website within a new section under the Government page entitled "Infrastructure Projects" (www.downers.us/page/section/40).

ATTACHMENTS

Minutes of December 6, 2007 Stormwater and Floodplain Oversight Committee
Draft minutes of December 13, 2007 Stormwater and Floodplain Oversight Committee
Staff reports and CIP sheets

VILLAGE OF DOWNERS GROVE
Stormwater and Flood Plain Oversight Committee Meeting
December 6, 2007, 7:00 p.m.

Downers Grove Public Works Facility
5101 Walnut Avenue, Downers Grove, Illinois

Call to Order

Chairman Eckmann called the meeting to order at 7:00 p.m. A roll call followed.

Members Present:	Chairman Eckmann, Ms. Matthies, and Mr. Scacco
Members Absent:	Mr. Bollenberg, Mr. Gorman, Mr. White, and Mr. Crilly
Staff Present:	Robin Weaver, Interim Public Works Director, Mike Millette, Assistant Director of Public Works – Engineering, Jim Tock, Staff Engineer, and Lori Godlewski, Recording Secretary
Others Present:	Mr. John Wendt of 1701 Concord Drive, Mr. Ed Cervenka of 6340 Fairmount, Mr. Vic Dreschum of 1049 Barneswood, Ms. Kirsten Wind of 5129 Cumnor Road, and Mr. Mark Thoman of 1109 61st St.

Approval of November 8, 2007 Minutes

There were not enough committee members to form a quorum; minutes from the November 8, 2007 meeting date will be reviewed on December 13, 2007

Public Comments - None

New Business

A. Presentation of 2008 Watershed Infrastructure Improvement Plan Projects

Mr. Eckmann stated that there are 9 areas that will be addressed at this meeting and he asked the public if there was a certain area that should be addressed first based on the residents present at the meeting. He explained why we are having this type of meeting and that the committee would like to have the residents input.

The 9 areas are:
1. Brooke Drive and Center Circle Drainage Improvements
2. Maple and Carpenter Storm Sewer Replacement and Realignment
3. St. Joseph Creek Dredging
4. Fairmount Storm Sewer Repairs
5. Lacey Creek Retaining Wall Replacement
6. Parrish Court Drainage Improvements
7. Venard and Acorn Storm Sewer Improvements
8. Dunham Place Storm Sewer Improvements
9. Barneswood Storm Sewer Replacement

Mr. Millette started with number nine, since Mr. Vic Dreschum requested to start with this one first. (Barneswood Storm Sewer Replacement).

Mr. Millette explained about the concept regarding the Watershed Plan, defined a 100 year storm event, and presented a power point presentation.

Mr. Millette stated that back in the 1960's the main concern was to get the water away, if it was a problem; get it out of the way. In the 1970's the concern was how to store it, in 1986/87 the concern was don't hurt the down stream, and now in the 21st century the concern is to manage and improve (clean it) water quality. The cause of the stormwater problem is inadequate storm water storage and insufficient maintenance.

Mr. Millette stated that the Village utilized Stormwater Engineering Consultants who comprehensively analyzed the stormwater system and to prioritize solutions. The goal is to help prevent flooding.

Mr. Millette explained to the public and the committee how the projects were prioritization as low, medium and high. He stated that tonight we would be talking about "high" priority projects which include new storm sewers, upgrade and replace storm sewers, new detention areas, enhanced existing detention areas, enhanced natural storage areas, stream improvement, new and improve over land flow routes, street improvements re: drainage, the way the street is pitched, and curbs.

Mr. Millette stated that the Community Investment Program forms in the agenda packet are still just in draft form and will presented to the Village Council on December 18th.

Mr. Millette explained the work planned in the Barneswood Storm Sewer Replacement Project. Vic Dreschum of 1049 Barneswood stated his concerns about the pipe placement and height of the street.

Vic Dreschum stated that he has drain tile and sump pump/pit which he thought would be helpful to his problem, but that there are no drains on the south side of the street. Vic Dreschum told him and stated that it was once a creek. Mr. Millette stated that, that area was dredged. Mr. Scacco asked if there was a topographical map of this area. Mr. Millette stated yes there is and it is conceptual. No design as of yet. Mr. Scacco asked if there will be an opportunity to refine and address this design when the time comes to the final design. Mr. Millette answered yes.

Mr. Eckmann asked for another area to be discussed and number 4 - Fairmount Storm Sewer Repairs area was asked to be heard.

Mr. Millette explained that the existing pipe was made out of clay. Clay pipes have a tendency to be very acceptable to the intrusion by roots and clay pipes are in short segments and they generally have gaskets that fail. The clay pipes tend to settle and separate at the joints and at the surface this is where sink holes appear. This is what happened when we went to repair Fairmount between 62nd Court and 63rd Street. We found sink holes in this area. The Village will be replacing the sewer in the same place with PVC or concrete pipe, or a combination of slip pipe. Mr. Millette explained what slip pipe was. Mr. Millette stated that we may be able to slip line under 63rd Street.

Mr. Cervanka also asked about Spring Park. Mr. Millette stated that this was a project that would be discussed next week. Mr. Cervenka stated that the area use to be corn fields, and it would have to go back to being a wet land and you can not dig up wet lands. Mrs. Robin Weaver, Interim Public Works Director, stated that letters are going too be sent out by the end of the week letting the residents know about the meeting next week and which areas will be discussed on Thursday December 13, 2007.

In response to Mr. Cervenka's questions Mr. Millette stated that it is 10 or 12 inch pipe, and that slip lining of a pipe usually lasts 30 years.

Mr. Eckmann asked what area would like to be discussed next and Dunham Place Storm Sewer Improvements was requested by Mr. Wendt.

Mr. Millette explained about the ability to clean the pipe and to let the inlets take water faster downstream. The outcome would be either eliminating or reducing the problem by depth or frequency. The intent is to get it up to 25 year storm event design, a 75 percent chance not to happen again in any given year. This is the original design standard of the subdivision.

Mr. Wendt stated that there is more water accumulating on Camden which he showed on the map. Mr. Wendt wanted to know what pipe was there now and Mr. Millette stated that it was a 48 inch high concrete pipe.

Mr. Eckman asked if there were any other questions or area that residents would like to be discussed and Ms. Kirsten Wind stated that she would like to hear about number 3 - St. Joseph Creek Dredging.

Mr. Millette stated that this is a high dollar but routine maintenance project that he was talking about. This is a pipe that carries the St. Joseph Creek under downtown. This is an 11 foot diameter pipe and this project will be in conjunction with the Maple/Carpenter Replacement project. Mr. Millette explained about a drop structure and a riser structure. The vault will be 15' x 15'. The structure would be in the middle of the street and would be trapping and collecting the silt and that it would also improve the water quality.

Mr. Eckmann asked if the audience would like to hear about any other projects.

Mr. Thuman spoke up and asked about number 5 - Lacey Creek Retaining Wall Replacement. Mr. Millette stated that the walls were made out of old rail road ties back in the 1970's. He also stated that rail road ties are not always the best material to use as a retaining wall. He stated that the water drains on the back of the retaining walls and that the walls are leaning. The Village will be replacing the retaining wall and working with the residents to do a direct connection for sump pumps and downspouts. It would be better to put a hole through the retaining wall so that the water would not go behind the wall and rot out the timber wall.

This is a design project for 2008 according to Mr. Millette. He stated that we are looking at the walls and the walls alone. We need to get easements, for access to complete the work.

Mr. Scacco asked for clarification that the map showed other proposed areas of retaining walls and inlets, not culverts. Mr. Millette stated yes. These are work scopes.

Mr. Eckmann asked if there were any other areas that needed to be reviewed. Mrs. Robin Weaver stated that she received 2 e-mails and the concerns were regarding time frame of these projects. Mr. Eckmann stated that he believes that these are mostly small projects except for the Carpenter construction project.

Mrs. Robin Weaver asked the committee to recommend to the Village Council for approval of the scope, to get an approval for design. Mr. Eckmann asked for comments by e-mail for next weeks meeting, and at that time it would be discussed.

Mr. Eckmann asked for adjournment of the meeting (8:35 p.m.)

Old Business

None.

Respectfully submitted,

/s/ Lori Godlewski
Lori Godlewski, Recording Secretary

DRAFT

VILLAGE OF DOWNERS GROVE
Stormwater and Flood Plain Oversight Committee Meeting
December 13, 2007, 7:00 p.m.

Downers Grove Public Works Facility
5101 Walnut Avenue, Downers Grove, Illinois

Call to Order

Chairman Eckmann called the meeting to order at 7:00 p.m. A roll call followed. A quorum was established.

Members Present: Chairman Eckmann, Ms. Matthies, Mr. Gorman, Mr. Crilly

Members Absent: Mr. Scacco, Mr. Bollenberg

Staff Present: Robin Weaver, Interim Public Works Director, Mike Millette, Assistant Director of Public Works – Engineering, Jim Tock, Staff Engineer, and Lori Godlewski, Recording Secretary

Others Present: Adrienne Novick of 6003 Carpenter Street, Vince Novick of 6003 Carpenter Street, Andrew Plantz of 6546 Fairmount, Derrick Martin of 7325 Janes Avenue, Cindy Weber of 6343 Fairmount, Louise Weber of 6443 Fairmount, Jim McNellis of 6201 Fairmount Avenue, Mark Thoman of 1109 61st Street, Mark Roman of 819 Prairie Avenue, Ed Cermla of 6340 Fairmount, Lisa Olente of 5936 Carpenter, Richard Weil of 4520 Stanley, Kirsten Wind of 5129 Cumnor Road, and Kelven Keach of 5132 Cumnor Road.

Approval of November 8, 2007/ December 6, 2007 Minutes

Minutes from the November 8th meeting were accepted with corrections as follow – Mr. Scacco moved to close the nomination and elect by acclamation Dave Gorman as Vice Chair, and to change she to he under Old Business.

Minutes from the December 6th meeting were accepted as presented.

Ms. Matthies put to motion, Mr. Crilly seconded the motion. Motion carried by voice vote of 4-0.

Public Comments -

Jim McNellis brought up sink holes, his driveway and there is a "No Parking Sign"; he asked questions regarding options and will these be addressed. Mr. Millette stated yes.

New Business

A. Presentation of 2008 Watershed Infrastructure Improvement Plan Projects

Mr. Eckmann stated that there are 5 stormwater projects that will be addressed at this meeting and asked the public if there was a certain area that should be addressed first based on the residents present at the meeting. He explained why we are having this type of meeting and that the

committee would like to have the residents input. He also asked to please limit the comments until after each presentation.

The 5 areas are:

1. North St. Joseph Creek Subwatershed E Improvements
2. South St. Joseph Creek Subwatershed J Improvements
3. Prentiss Creek Subwatershed B Improvements
4. Lacey Creek Culvert Joint Repairs
5. Carpenter Street Storm Sewer Improvements

Mr. Millette explained about the concept regarding the Watershed Plan, he defined a 100 year storm event and presented to the committee and residents a power point presentation. Mr. Millette stated that back in the 1960's the main concern was to get the water away, if it was a problem; get it out of the way. In the 1970's the concern was how to store it, in 1986/87 the concern was don't hurt the down stream, and now in the 21st century the concern is to manage and improve the water quality. The causes of the stormwater problem are inadequate stormwater storage and insufficient maintenance.

Mr. Millette explained that the Village is working with stormwater engineering consultants to identify specific definite causes and recommended solutions. He stated that discussion and efforts are centered on "high" priority projects which will include new storm sewers, upgrade and replace storm sewers, new detention areas, enhanced existing detention areas, enhance natural storage areas, stream improvement, new and improve overland flow routes, street improvements regarding drainage (the way the street is pitched) and curbs. He also explained additional consideration will be: approach, funding, physical constraints, construction, group project, and partnerships (e.g. Park District).

Mr. Eckmann asked for any comments from the audience. He stated that their input will be very valuable to these projects. The first area of discussion would be North St. Joseph Creek Subwatershed E Improvements.

Mr. Millette explained the area of the planned improvements and showed the location on the map. He included historical examples of what was going on in the 1960's and 1970's.

He informed the audience that the Village is looking at detention basins and Low Poor Drainage Areas. Mr. Millette discussed the options to help relieve the problem: detention basin construction, new storm sewers, high efficiency inlet grates, storm sewer replacement and regrading of existing depressional areas. Mr. Millette stated that the Village is applying for grant money from FEMA to help pay for two projects.

Mr. Eckmann asked if there were any questions, and Mr. Weil spoke up with concerns regarding overland water movement, and if there will be any restrictions of the property owners in regard to fences and berms.

Mr. Millette stated that there are restrictions on water movement. Mrs. Weaver spoke up and said we have easement, permits and a plan that is in place.

Mr. Roman spoke up with concerns regarding Washington Park. He stated that there was a basin put in, but it does not work well. Mr. Millette stated that there is a basin there and in this project he explained how and what will be done with the basins to make them more efficient. Mr. Roman asked about property lines and Mr. Millette stated that it was 5 feet away. Mr. Roman also stated that there will be a difference in grade from the front yard to the back yard, Mr. Millette explained why.

Mr. Eckmann asked if there were any more questions, and Ms. Matthies asked a question regarding curb and gutter. Mr. Millette responded that they will be repaired and replaced as needed.

Mr. Eckmann then asked to move to number 2 on tonight's agenda which is South St. Joseph Creek Subwatershed J Improvements.

Mr. Millette showed where on the map that he would be talking about and he pointed out where the problem areas are located. He stated that the solution is to change the size of the pipe network and possibly purchase property.

Mr. Eckmann asked if there were any questions. Ms. Wind asked if it was cost effective to do a buy out, or making the pipe larger to 78". Mr. Millette stated that reducing the size of the pipes at the corner areas would be the way it should be done. He also stated that it is a balancing act of cost versus pipe.

Mr. Ketch asked when would the engineering study happen, when would construction start and will there be a transfer of funds? Mr. Millette said the study and construction dates will not change but readjustment of the funds could be. He also stated that the Village will seek engineering plans by March 2008, and a full design plan by spring. Mrs. Weaver stated projects will start and end construction between 6 to 10 months after it goes to council. She asked the audience to call Public Works anytime with any questions or concerns.

The next area that was discussed was Prentiss Creek Subwatershed B Improvements. Mr. Millette explained that the existing pipe was made out of clay and that clay pipes have a tendency to be very susceptible to intrusion by roots. These pipes are in short segments and they generally have gaskets that fail. Also these pipes tend to settle and separate at the joints causing sink holes to appear. Mr. Millette talked about back pitched pipes and slip lining pipes. Mr. Millette stated that the Village will be adding inlets and non-clog grates and constructing detention basins.

Mr. Eckmann asked if there were any questions and Mr. McNellis asked if the sink holes will be fixed and what is the time line, spring? Mr. Millette stated yes. Ms. Weber asked if this would alleviate water in the backyards. Mr. Millette stated that it would probably not. She stated that since the new homes have been built by Bradley Builders, this problem has occurred. Ms. Weber then asked about sharing the cost to help with improvements, Mr. Millette said there is a cost share program. Ms. Weber asked if the Village will come out and talk to the residents and can the driveways be replaced. Mr. Millette stated that he would be more than happy to come and talk to the residents and that if they would like their driveway replaced they would have to talk to the contractor that is doing the work in that area.

Mr. Gorman stated that it is a good idea to tie into the catch basin every 200 feet and that will help fix the problem. This will transfer the water to the storm sewer and not the ground. Mr. Eckmann asked if there were any more questions or concerns and Mr. Cermla talked about Spring Park regarding water in the back yards and mosquito's. Mr. Millette stated that he will go and get the design plan and talk to those who would like to stay after the meeting.

Mr. Eckmann asked if any one was here regarding Lacey Creek Culvert Joint Repairs. There were no concerns so he went on to the last project, Carpenter Street Storm Sewer Improvements. Mr. Millette stated that this project is scheduled for 2008. He explained that we would change grates out to more high efficiency grates. Mr. Novick stated that it floods in this area due to the fact that the grates are covered with leaves. He then asked if the storm sewer pipe that is being put in will be larger and use high efficiency grates. Mr. Millette stated that he believes that high efficiency grates will be used. Mr. Millette also stated the Village has identified the problem and resurfacing the street and changing the grates will help this situation. Mr. Novick asked what size of pipe will be used and Mr. Millette stated 12" or maybe 15" still under design.

Mr. Thoman asked about sidewalks being put in on the entire street, Mr. Millette said he had to look at the map. Ms. Olente asked if the water will be drained into the park. Mr. Millette said the water would not get there. She stated that it once was a pond. Mr. Millette stated it was originally a wetland. Ms. Olente asked how long the construction would last, Mr. Millette stated 3 months.

Mrs. Weaver stated to the residents that staff was applying for grants and other monies in the amount of 2.9 million dollars. Mr. Gorman stated that buy outs could be a possibility with assistance possibly through DuPage County. Ms. Olente asked if the area would be more at risk during the construction. Mr. Eckmann stated that he was not sure, but it should not be. Mr. Millette stated that if it rains during construction, silt baskets will be used.

Mr. Thoman asked if the pipes will be plastic or concrete, and Mr. Millette responded concrete. Mr. Thoman then asked if the sanitary pipes will be changed out also. Mrs. Weaver stated that the Village does share project information with the Sanitary District. Mr. Eckmann also stated the Village works with the Sanitary District. Mr. Thoman asked if the Sanitary District was aware of the sanitary sewers, Mr. Millette responded yes.

This was the end of the presentation.

Old Business

Mr. Eckmann asked for a motion regarding tentative future meeting schedules as follows:

Jan 10th
Feb 28th
Mar 27th
Apr 24th
May 15th
Jun 9th
Jul 10th
Aug 14th
Sept 11th
Oct 23rd
Nov 20th
Dec 18th

Mrs. Weaver stated that on Jan. 10th the last of the 2008 stormwater projects (North St. Joseph Creek Subwatershed C Improvements), would be presented to the Committee.

Ms. Matthies put to motion establishing tentative meeting dates, Mr. Crilly seconded the motion. Motion carried by voice vote of 4-0.

Mr. Eckmann stated that Mrs. Weaver asked that the Committee recommend to the Village Council approval of the scope of the 14 projects, to get an approval for design. **Mr. Crilly**

asked for the motion and Ms. Matthies seconded the motion. Motion carried by voice vote of 4-0.

Mr. Eckmann wished all a very Merry Christmas and made a motion to adjourn the meeting at 8:55p.m., seconded by Mr. Gorman.

Respectfully submitted,

/s/ Lori Godlewski
Lori Godlewski, Recording Secretary

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Dunham Place Storm Sewer Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Storm sewer improvements

LOCATION
Dunham Place

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It involves catch basin and storm sewer replacements, including higher efficiency inlet gates.

Drainage is provided by a storm sewer system with outlets into two separate dry detention ponds located on the north side of Concord Drive. The topography is relatively steep, with slopes along the roadway profiles around one to two percent. Resident complaints in this area consist of street and yard flooding. Street flooding has been reported at the intersection of Camden Road and Concord Drive, as well as in the Penner Place cul-de-sac. Yard flooding is reported in the homes along the south side of Concord Drive, as well as in the area bounded by Camden and Ticonderoga Roads.

A survey was completed of the major storm sewer in the area. It was found there is a severely backpitched pipe just east of the intersection of Camden Road and Concord Drive. This is the likely cause of the flooding at this intersection.

This problem area has relatively steep slopes and many overland flow paths which flow through residents' yards. Bushes, fences and other similar obstructions impede the flow of water through the properties, contributing to yard flooding. There are some small depressional areas throughout the yards which collect the stormwater, which takes a long time to infiltrate due to high groundwater levels.

The western part of the area, particularly around Penner Place, has particularly steep slopes and few inlets to intercept the drainage. Residents have reported over a foot of water depth in the Penner Place cul-de-sac; the street only has one inlet; and should this inlet be clogged or at capacity, the topography in this area would convey the excess runoff across private property and potentially affect residential structures.

SCOPE

The work will include:

- Replacement of 48-inch storm sewer
- Cleaning of upstream storm sewer
- Installation of inlets and grates
- Cleaning of storm sewer systems

OUTCOME

Connecting the backpitched 48-inch storm sewer and cleaning the upstream pipe to it will eliminate street flooding on Concord Drive east of Camden Road. New inlets and grates on Penner Avenue and Penner Place will eliminate ponding during a 25-year storm event.

TIMEFRAME

Design for this project will be three months and construction and maintenance will be three months in 2008.

ATTACHMENTS

CIP Sheet
Subwatershed Map

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-032**

Project Description: **Storm Sewer Improvements - Dunham Place (PR-E)**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☐ Changed ☑ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	49,000						**49,000**
Land Acquisition							**-**
Infrastructure Improvements	550,000						**550,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**599,000**	**-**	**-**	**-**	**-**	**-**	**599,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	599,000						**599,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**599,000**	**-**	**-**	**-**	**-**	**-**	**599,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves catch basin and storm sewer replacements, including higher effeciency inlet grates.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Barneswood Storm Sewer Replacement	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Storm sewer replacement

LOCATION
Barneswood Drive from Saratoga Avenue to Highland Avenue

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It involves catch basin and storm sewer replacements.

At least thirteen residents have indicated that street, yard, garage and basement flooding have occurred in the area. The area is drained by several storm sewers, ranging in size from 10-inch to 24-inch, that each outlet directly to Lacey Creek. The area is entirely contained within the 10-year floodplain elevation of Lacey Creek.

The 10-year floodplain is approximately 2.2 feet higher than the low point on Barneswood Drive, and the 100-year floodplain is approximately 2.7 feet higher than the low point on Barneswood Drive. The culverts at Saratoga Avenue and Venard Road downstream of the problem areas do not have enough

capacity for a 10-year storm event and result in significant backwater through the problem on Barneswood Drive and across Highland Avenue.

The profiles of some of the storm sewers show apparent settling or incorrect installation. A field investigation and resident comments suggest this may lead to poor local drainage and ponding during small storm events not affected by floodplain issues.

SCOPE

The work will include:

- Upsize and replacement of two road culverts
- Installation of high efficiency inlet grates

OUTCOME

The new culverts will have capacity to convey 10-year and 25-year storm events without flooding at the inlets.

TIMEFRAME

Design for this project will take three months and construction will be complete in one month in 2008.

ATTACHMENTS

CIP Sheet
Subwatershed Map

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-031**

Project Description: **Storm Sewer Repl. - Barneswood (Saratoga-Highland) (LA-G)**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☐ Changed ☑ Replacement ☐ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	10,000						**10,000**
Land Acquisition							**-**
Infrastructure Improvements	120,000						**120,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**130,000**	**-**	**-**	**-**	**-**	**-**	**130,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	130,000						**130,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**130,000**	**-**	**-**	**-**	**-**	**-**	**130,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves catch basin and storm sewer replacements, including higher effeciency inlet grates.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Venard and Acorn Storm Sewer Replacement	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Storm sewer replacement

LOCATION
Venard Road and Acorn Avenue

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It involves catch basin and storm sewer replacements, including higher efficiency inlet grates.

Street and house flooding occurs in the area located near the intersection of Venard Road and Acorn Avenue. The storm sewer system appears to be undersized and settled or incorrectly installed in its upstream sections which causes the system to surcharge during a five-year storm.

SCOPE
The work will include:
- Upsize and replacement of existing storm sewer system
- Installation of high efficiency inlet grates

OUTCOME
The new storm sewer system will have capacity to convey a 25-year storm without surcharging.

TIMEFRAME
Design of this project will take three months and construction will take two months, all in 2008.

ATTACHMENTS
CIP
Subwatershed Map

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-030**

Project Description: **Storm Sewer Repl. - Venard & Acorn (LA-G)**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☐ Changed ☑ Replacement ☐ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	37,000						**37,000**
Land Acquisition							**-**
Infrastructure Improvements	420,000						**420,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**457,000**	**-**	**-**	**-**	**-**	**-**	**457,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	457,000						**457,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**457,000**	**-**	**-**	**-**	**-**	**-**	**457,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves catch basin and storm sewer replacements, including higher effeciency inlet grates.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Parrish Court Drainage Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Drainage improvements

LOCATION
Parrish Court

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It involves installing higher efficiency inlet gates.

The problem area is located on the cul-de-sac of Parrish Court in the Lacey Creek Watershed. Street, yard and house flooding occur along Parrish Court. This area is generally well-served by a series of storm sewers and overland overflow paths which all outlet to Lacey Creek. A major overland flow path is located in the rear yard of one residence. The reported flooding in the cul-de-sac resulted from blocked inlets or obstructions in the overland flow path to the creek.

SCOPE
The work will include:

- Replacing Type 1 inlet grates with high efficiency Type 11 inlet grates

OUTCOME
The high efficiency Type 11 inlet grates will allow storm water to enter the system even when a buildup of debris is present.

TIMEFRAME
Construction will be completed in one month in 2008.

ATTACHMENTS
CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-029**

Project Description: **Parrish Court Drainage Improvements (LA-D)**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☐ Changed ☑ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	8,000						**8,000**
Land Acquisition							**-**
Infrastructure Improvements	50,000						**50,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**58,000**	**-**	**-**	**-**	**-**	**-**	**58,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	58,000						**58,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**58,000**	**-**	**-**	**-**	**-**	**-**	**58,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves catch basin and storm sewer replacements, including higher effeciency inlet grates.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Lacey Creek Retaining Wall Replacement	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Retaining wall replacement

LOCATION
Lacey Creek Watershed

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It includes the replacement of approximately 1000 linear feet of wooden retaining walls. In addition to being a potential safety hazard, some walls are leaning and are reducing the capacity of the creek.

The problem area is located along Highland Avenue between Barneswood Drive and Oak Hill Road in the Lacey Creek Watershed, which is entirely within the 10-year floodplain. The 10-year floodplain in 3.25 feet higher than the low point on Highland Avenue, and the 100-year plain in 3.75 feet higher than the low point on Highland Avenue. Street flooding occurs along Highland Avenue.

SCOPE
The work will include:
- Retaining wall replacement

- Inlet replacement
- New inlets
- Sump pump connections (possible)

OUTCOME

The replace retaining walls will be safer and more durable than the railroad ties. When properly reinstalled, the creek will regain some of its lost capacity. Opportunities for more durable sump pump and inlet connections around or through the replaced walls will be investigated.

TIMEFRAME

Design will be completed in FY08. The revised, draft CIP has compressed the construction schedule from two years to one, FY 2009. It will require eight months to complete. Further work is scheduled beyond FY 2012.

ATTACHMENTS

CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-007**

Project Description: **Watershed Improvements - Lacey, Sub G (Ret. Wall Repl.)**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☑ Changed ☐ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X					X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	150,000	100,000				1,500,000	**1,750,000**
Land Acquisition							**-**
Infrastructure Improvements		2,900,000				14,402,000	**17,302,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**150,000**	**3,000,000**	**-**	**-**	**-**	**15,902,000**	**19,052,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	150,000	3,000,000				15,902,000	**19,052,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**150,000**	**3,000,000**	**-**	**-**	**-**	**15,902,000**	**19,052,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project includes the replacement of approximately 1,000 linear feet of wooden retaining walls which were not included in the Lacey Creek Restoration project completed in 2001. The replacement walls may be segmental block (e.g. Keystone) or textured / colored concrete. To save costs and restore the natural status of the stream corridor, elimination of the walls should be considered if adequate right-of-way or easement is available or obtainable.

2. Describe the project status and completed work.

No work has started. Construction estimate has been increased.

3. Describe any anticipated grants related to the project.

Participation by homeowner's assocations and individual residents should be considered.

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Barricading and inspection costs could be avoided.

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Fairmount Storm Sewer Repairs	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Storm sewer repair

LOCATION
Fairmount Avenue between 62nd Street and 65th Street

ISSUE
This project involves the replacement of a failing clay storm sewer that has caused sinkholes to appear. A slip-lining procedure will also be investigated which could prove more cost effective.

SCOPE
The work will include:
- Storm sewer lining
- Replacement storm sewer (possible)

OUTCOME
Completion will help prevent costs of additional sinkhole repairs and improve stormwater drainage.

TIMEFRAME

Design will require three months in early 2008. Construction will also require two to three months in the field.

ATTACHMENTS

CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **DR-015**

Project Description: **Storm Sewer Repairs - Fairmount from 62nd Ct. to 65th**

Project Lead: **Jonathan C. Hall** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☑ Changed ☐ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X			X			2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	15,000						**15,000**
Land Acquisition							**-**
Infrastructure Improvements	300,000						**300,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**315,000**	**-**	**-**	**-**	**-**	**-**	**315,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	315,000						**315,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**315,000**	**-**	**-**	**-**	**-**	**-**	**315,000**

1. Briefly Describe and provide justification for this Capital Project Request.

This project involves the replacement of a failing clay storm sewer. A slip-lining procedure will also be investigated which could prove more cost effective.

2. Describe the project status and completed work.

No work has started. Project has been moved forward. Construction estimate has been increased by $50,000 to allow for extension of the original scope of work to 62nd Ct.

3. Describe any anticipated grants related to the project.

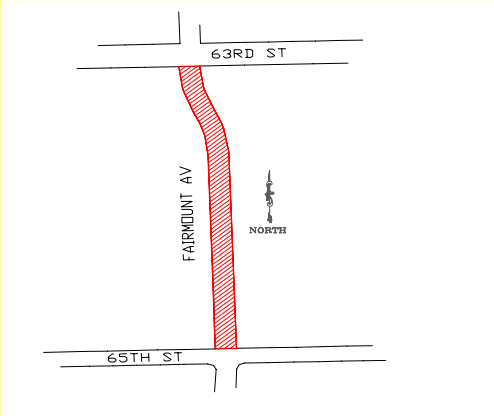
None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Completion will help prevent costs of additional sinkhole repairs and prolong the effective pipe life.

Map and/or pictures of Project/Project Area:



VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Maple and Carpenter Storm Sewer Replacement and Realignment	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Storm sewer replacement and realignment

LOCATION
Maple Avenue and Carpenter Street

ISSUE
A clay storm sewer which drains portion of Carpenter Street and Maple Avenue is undersized and failing. The discharge of for the 11-foot culvert which carries St. Joseph Creek under downtown opens into a 18-foot deep open pool located in the rear of several residences. This project will continue to discharge within a concrete structure wholly within the Carpenter Street right-of-way.

SCOPE
The work will include:
- New inlets
- Replacement storm sewer
- New junction chamber
- Roadway resurfacing

OUTCOME

Completion of replacement and realignment will help prevent street and structure flooding due to storm sewer failure and insufficient capacity. The new junction chamber will provide a safer place for the 11-foot culvert to meet the elevation of the creek bed and will provide a permanent facility to remove silt and contaminants.

Staff is recommending a design-build delivery system for this project.

TIMEFRAME

Design of this project will be completed in 2007. Permit compliance and constructability review will require four months and construction will take place over an eight month period.

ATTACHMENTS

CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **DR-008**

Project Description: **Maple and Carpenter Storm Sewer Replacement**

Project Lead: **Jonathan C. Hall** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☑ Changed ☑ Replacement ☐ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X				X		2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	50,000						**50,000**
Land Acquisition							**-**
Infrastructure Improvements	750,000						**750,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**800,000**	**-**	**-**	**-**	**-**	**-**	**800,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	800,000						**800,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**800,000**	**-**	**-**	**-**	**-**	**-**	**800,000**

1. Briefly Describe and provide justification for this Capital Project Request.

This project involves the replacement and realignment of an undersized, failing, clay storm sewer draining portions of Carpenter Street and Maple Avenue. This work will be combined with the St. Joseph Creek Dredging (Mackie to Carpenter) project (DR-010).

2. Describe the project status and completed work.

Design work completed in 2008.

3. Describe any anticipated grants related to the project.

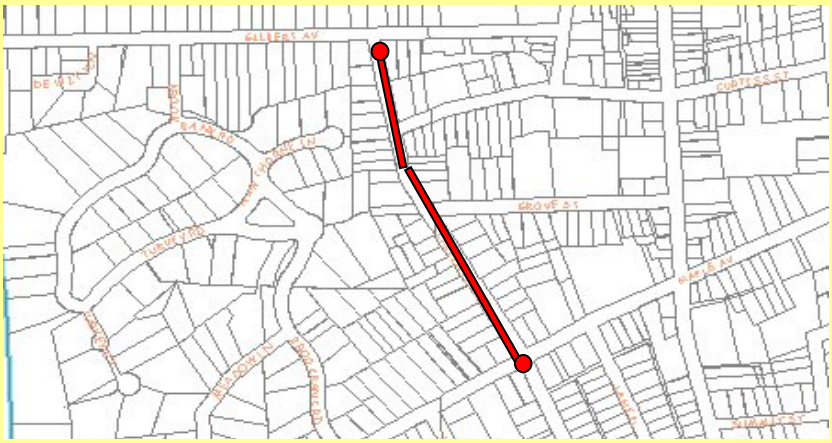
None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Completion will help prevent street and structure flooding due to storm sewer failure and insufficient capacity.

Map and/or pictures of Project/Project Area:



VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Brooke Drive and Centre Circle Drainage Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Drainage improvements

LOCATION
Brooke Drive and Centre Circle

ISSUE
Approximately two times per year, street flooding of three to four feet in depth occurs at this location, which prevents access to approximately 10 to 12 businesses (including loading docks). The flooding recedes within one to two hours after the rainfall ends. There are a number of industrial and commercial properties and streets without detention that drain to this area.

SCOPE
The work will include
- New inlets
- Replacement storm sewer

OUTCOME
Replacement of the storm sewers should reduce long-term maintenance costs.

TIMEFRAME

Design of this project is scheduled for FY08 and will take three months. Construction is anticipated for FY09 and will take two months.

ATTACHMENTS

CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **DR-001**

Project Description: **Drainage Improvements - Brooke Drive & Centre Circle**

Project Lead: **Jonathan C. Hall** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☑ New Project/Expansion ☑ Changed ☑ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:			X		X			3

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	30,000						30,000
Land Acquisition							-
Infrastructure Improvements		500,000					500,000
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	**30,000**	**500,000**	**-**	**-**	**-**	**-**	**530,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	30,000	500,000					530,000
							-
							-
							-
TOTAL FUNDING SOURCES	**30,000**	**500,000**	**-**	**-**	**-**	**-**	**530,000**

1. Briefly Describe and provide justification for this Capital Project Request.

This project will reduce flooding frequency and severity at the intersection of Brook Drive and Centre Circle. Approximately two times per year, street flooding of 3 to 4 feet in depth occurs at this location, which prevents access to approximately 10 to 12 businesses (including loading docks). Normally, the flooding recedes within 1 to 2 hours after the rainfall ends. There are a number of industrial / commercial properties and streets without detention that drain to this area .

2. Describe the project status and completed work.

No work has started. Project has been moved forward.

3. Describe any anticipated grants related to the project.

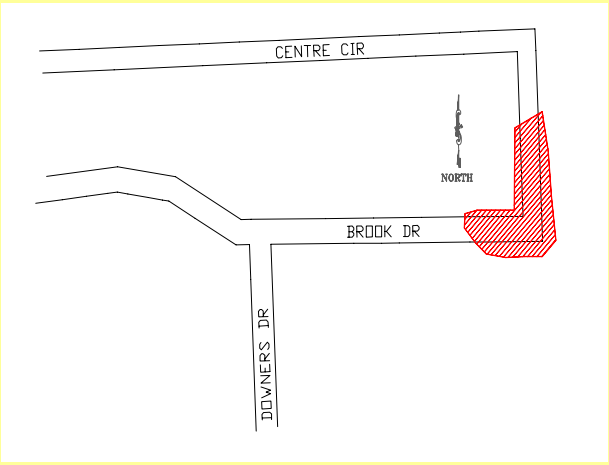
None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-

Replacment of storm sewers should reduce long-term maintenance costs.

Map and/or pictures of Project/Project Area:



VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 6, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
St. Joseph Creek Dredging	Mike Millette Assistant Director Public Works

SYNOPSIS
The Public Works Department has selected nine High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Dredging

LOCATION
Mackie Place to Carpenter Street

ISSUE
This project involves the dredging of four feet of accumulated silt in the 11-foot pipe which conveys St. Joseph Creek through the Village's downtown. At an approximate length of 1200 feet, nearly 1000 cubic yards of silt is estimated for removal.

SCOPE
The work will include:
- Cleaning of the storm sewer

OUTCOME
The project will restore the designed conveyance capacity and help prevent future flooding problems.

TIMEFRAME

This project will be completed with the Maple and Carpenter Storm Sewer Replacement and Realignment project in the second half of 2008.

ATTACHMENTS
CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **DR-010**

Project Description: **St. Joseph Creek Dredging - Mackie to Carpenter**

Project Lead: **Jonathan C. Hall** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☐ Changed ☐ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X			X			2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services							-
Land Acquisition							-
Infrastructure Improvements	100,000						100,000
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	**100,000**	**-**	**-**	**-**	**-**	**-**	**100,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	100,000						100,000
							-
							-
							-
TOTAL FUNDING SOURCES	**100,000**	**-**	**-**	**-**	**-**	**-**	**100,000**

1. Briefly Describe and provide justification for this Capital Project Request.

This project involves the dredging of four feet of silt (estimated) that has accumulated within the 11-foot pipe which conveys St. Joseph Creek through the Village's downtown area. At an approximate length of 1,200 feet, nearly 1,000 cubic yards of silt is estimated for removal. This project would restore the designed conveyance capacity and help prevent future flooding problems.

2. Describe the project status and completed work.

This project will be combined with the Maple & Carpenter Storm Sewer Replacement project (DR-008).

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 13, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
North St. Joseph Creek Subwatershed E Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected six High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Watershed improvements including new detention, regarding of existing depressional areas storm sewer replacement and cleaning.

LOCATION
North St. Joseph Creek Subwatershed E

ISSUE
This project involves constructing a new detention basin, re-grading depressional storage areas, new curb & gutter, new and replacement storm sewers and catch basins.

The subwatershed is located in the northern portion of the watershed, approximately west of Douglas Road, south of 41st Street, east of Washington Street and north of Curtiss Street. The terrain is fairly flat throughout most of the subwatershed with average slopes in the range of one percent. St. Joseph Creek is contained in a large culvert through the Central Business District located at the south end of the subwatershed. The land use is mostly residential, with some commercial areas along Ogden Avenue and areas south of the railroad tracks. There are two Park District properties located within this subwatershed, along with nineteen depressional areas. House, basement, yard, garage and street flooding have all been reported.

SCOPE

The work will include:

- Construct detention basin
- New storm sewer
- Installation of high efficiency inlet grates
- Replacement storm sewer
- Regrading of existing depressional areas

OUTCOME

Reduced roadway, structure and yard flooding provide a system with a 10-year protection level for conveyance, detention for the 100-year level.

TIMEFRAME

This project will be spread across a three-year period. Design work will occur in 2008.

Beginning in 2009, a detention basin will be constructed at Washington Park. Pipes will be installed on Rogers Street between Bryan Place and Elm Street and on Stanley Avenue between Franklin Street and Prairie Avenue. Construction will last eight to ten months.

In 2010, modifications to Grant Street, Lincoln Street, Elm Street and Stanley Avenue surface and existing sewers will be made in order to connect depressional areas to detention areas. Pipe replacement will occur primarily along the Stanley Avenue corridor.

General improvements and maintenance will follow in the out years with an overall future goal of adding collector pipes within 200 feet of every lot throughout the subwatershed.

ATTACHMENTS

CIP Sheet
Subwatershed Map

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-042**

Project Description: **Watershed Improvements - St. Joseph N. Br. , Sub E**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☑ Changed ☐ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	200,000	100,000	200,000	75,000		415,000	**990,000**
Land Acquisition		350,000					**350,000**
Infrastructure Improvements		2,050,000	3,800,000	2,550,000		9,500,000	**17,900,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**200,000**	**2,500,000**	**4,000,000**	**2,625,000**	**-**	**9,915,000**	**19,240,000**
Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	200,000	2,500,000	4,000,000	2,625,000		9,915,000	**19,240,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**200,000**	**2,500,000**	**4,000,000**	**2,625,000**	**-**	**9,915,000**	**19,240,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves constructing a new detention basin, re-grading depressional storage areas, new curb & gutter, new and replacement storm sewers and catch basins.

2. Describe the project status and completed work.

No work has started. Construction estimate has been increased.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

The labor cost savings of no longer setting up and replacing barricades and fencing will be realized immediately. Stabilization now will prevent further damage to the storm sewer within the Prairie right-of-way

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 13, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
South St. Joseph Creek Subwatershed J Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected six High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Watershed improvements including new trunk storm sewer, and possible detention pond construction.

LOCATION
South St. Joseph Creek Subwatershed J

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It involves constructing new and replacement storm sewers and catch basins and a possible new detention basin.

This 200-acre subwatershed is located adjacent to the eastern edge of the Village limits, approximately north of 7th Street, south of Maple Avenue, east of Grand Avenue and west of Williams Street. A large portion of this subwatershed falls outside the Village limits. The railroad tracks divide this portion of the watershed into a northern and southern portion. Stormwater from the entire southern portion drains to one of three depressional areas. All three depressional areas are drained by a storm sewer within the 2nd Street right-of-way which conveys water west to St. Joseph Creek. Stormwater from the northern portion of the subwatershed collects in a depressional area at the corner of Cumnor Road and Burlington Avenue.

The only outlet of this area is through a 24-inch storm sewer which conveys water south under the railroad tracks connecting to the 2nd Street storm sewer system. The land use in this area consists of mostly residential with some commercial and industrial usage north of 2nd Street and south of Burlington Avenue.

Proposed stormwater projects consist of replacing the entire subwatershed stormwater system. The existing system has a 27-inch outlet that provides an approximate six-month storm level of protection. The proposed improvements call for a 78-inch outlet and would give the network a 100-year conveyance capacity. The existing 24-inch sewer under the railroad tracks is proposed to be replaced with a 60-inch sewer; the 21-inch sewer running north on Williams Street and west on 2nd Street is proposed to be replaced with a 42-inch sewer; and the 21-inch sewer on Cumnor from 4th Street to 2nd Street is proposed to be replaced with a 42-inch line.

SCOPE

The work will include:

- New and replacement storm sewer
- Construct detention basin (possible)

OUTCOME

Reduce street and structure flooding. Provide 100-year protection.

TIMEFRAME

This project will be spread across a four-year period with construction occurring during two non-consecutive years.

In 2008, design and engineering work will commence and potential land acquisition will be conducted.

Beginning in 2010, a 78-inch trunk sewer will be installed on 2nd Street between Grand Avenue and Williams Street. If detention can be provided, the size of this pipe may be reduced. Another pipe may be installed on Cumnor Road from 2nd Street to Burlington Avenue as needed. Construction will last eight to ten months.

In 2012, work will continue on the storm sewer system in this subwatershed. Pipes will be installed on Cumnor Road between 4th Street and 2nd Street and on Williams Street between Dallas Street and 2nd Street. A local storm sewer will also be installed in the area of 2nd Street and Fairview Avenue.

General improvements and maintenance will follow in the out years with an overall future goal of adding collector pipes within 200 feet of every lot throughout the subwatershed.

ATTACHMENTS

CIP Sheet
Subwatershed Map

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-035**

Project Description: **Watershed Improvements - St. Joseph S. Br., Sub J**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☑ New Project/Expansion ☐ Changed ☑ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	100,000		100,000		200,000	514,000	**914,000**
Land Acquisition	325,000		325,000				**650,000**
Infrastructure Improvements			1,825,000		4,875,000	7,600,000	**14,300,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**425,000**	**-**	**2,250,000**	**-**	**5,075,000**	**8,114,000**	**15,864,000**
Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	425,000		2,250,000		5,075,000	8,114,000	**15,864,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**425,000**	**-**	**2,250,000**	**-**	**5,075,000**	**8,114,000**	**15,864,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves constructing a new detention basin, re-grading depressional storage areas, voluntary buy-outs, new and replacement storm sewers and catch basins.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 13, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Prentiss Creek Subwatershed B Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected six High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Watershed improvements including new detention, storm sewer replacement and cleaning.

LOCATION
Fairmount Avenue within the Prentiss Creek Subwatershed B, excepting Downers Grove Estates.

ISSUE
The Watershed Infrastructure Improvement Plan identifies this project. It involves constructing a new detention basin, regrading depressional storage areas and new and replacement storm sewers and catch basins.

The area is composed of single family residential land use. Drainage is provided by a storm sewer system along Fairmount Avenue, which eventually drains into the 60-inch storm sewer trunk sewer along 67th Street. This area experiences frequent street and yard flooding and has numerous low spots with no effective natural drainage outlet. A depressional area is located in the rear yards bordered by Lyman Avenue and Fairmount Avenue. The intersection of Fairmount Avenue and Oxford Street is a recurring flooding problem area; the areas near Briargate Drive and Fairmount Avenue as well as Oxford Street and Blackstone Drive have documented flooding problems.

A storm sewer survey was conducted for the trunk storm sewer along Fairmount Avenue. The survey indicates that the storm sewer is backpitched under a portion of the roadway that is also a low spot in the area, near the intersection of Fairmount Avenue and Briargate Drive. The lack of hydraulic capacity in this section causes the storm sewer to back up and flood adjacent depressional areas.

SCOPE

The work will include:

- Construct detention basin
- New storm sewer
- Installation of high efficiency inlet grates
- Replacement storm sewer
- Cleaning of storm sewer system

OUTCOME

Reduce street and yard flooding and restore the system to a 10-year protection level, detention for 100-year level.

TIMEFRAME

This project will be spread across a four-year period. In 2008, project work will consist of upsizing the storm sewer located along Fairmount Avenue and eliminating the backpitched sewer on Fairmount Avenue between 65th Street and 67th Street. This project will be performed concurrent with a water main replacement along Briargate Drive, Blackstone Drive and 67th Street. Construction will last eight to ten months.

The only work planned for 2009 is the construction of a detention basin in the northeastern corner of McCollum Park. Construction will last eight to ten months.

Due to the presence of extensive construction in the neighborhood and fiscal responsibility, no construction is planned for 2010. In 2011, work will resume for this project. The new McCollum Park detention will be connected to an existing storm sewer system at 67th Street and Blackstone Drive. Potential storm sewer improvements will be contemplated north of 63rd Street between Fairmount Avenue and Park Avenue as needed. Construction will last six to eight months.

Cleaning and upsizing of existing storm sewers will be done in 2012 east of Main Street within the subwatershed. Work will last between eight and ten months.

ATTACHMENTS

CIP Sheet
Subwatershed Map

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-034**

Project Description: **Watershed Improvements - Prentiss , Sub B (Fairmount)**

Project Lead: **Michael D. Millette** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☑ New Project/Expansion ☐ Changed ☑ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	100,000	100,000			141,000		**341,000**
Land Acquisition		25,000					**25,000**
Infrastructure Improvements	1,400,000	1,125,000		1,000,000	3,650,000		**7,175,000**
Building Improvements							**-**
Machinery and Equipment							**-**
Other/Miscellaneous							**-**
TOTAL COST	**1,500,000**	**1,250,000**	**-**	**1,000,000**	**3,791,000**	**-**	**7,541,000**
Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	1,500,000	1,250,000		1,000,000	3,791,000		**7,541,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**1,500,000**	**1,250,000**	**-**	**1,000,000**	**3,791,000**	**-**	**7,541,000**

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves constructing a new detention basin, re-grading depressional storage areas, new and replacement storm sewers and catch basins.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	**-**

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 13, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Lacey Creek Culvert Joint Repairs	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected six High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope.

PROJECT DESCRIPTION
Culvert joint repairs

LOCATION
Lacey Creek, west of Saratoga Avenue

ISSUE
This project involves grouting the pipe joints for a 58-inch by 91-inch elliptical storm sewer, approximately 200 feet in length. There are 50 joints estimated to be within this distance.

SCOPE
The work will include:
- Grouting pipe joints

OUTCOME
Completion of this project will prevent the expense of additional sinkhole repair and will lengthen the effective life of this pipe.

TIMEFRAME

Construction will take between two to four months in 2008.

ATTACHMENTS
CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **DR-005**

Project Description: **Lacey Creek - Culvert Joint Repairs - West of Saratoga**

Project Lead: **Jonathan C. Hall** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☐ New Project/Expansion ☑ Changed ☐ Replacement ☑ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X				X		2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services							-
Land Acquisition							-
Infrastructure Improvements	200,000						**200,000**
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	**200,000**	**-**	**-**	**-**	**-**	**-**	**200,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	200,000						**200,000**
							-
							-
							-
TOTAL FUNDING SOURCES	**200,000**	**-**	**-**	**-**	**-**	**-**	**200,000**

1. Briefly Describe and provide justification for this Capital Project Request.

This project involves grouting the pipe joints for a 58-inch by 91-inch elliptical storm sewer, approximately 200 feet in length. The estimated number of joints in this distance is 50. Projected budget funds are based on worst-case scenario, which would involve replacement of the pipe.

2. Describe the project status and completed work.

No work has started.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-

Completion of this project will prevent the expense of additional sinkhole repair and will lengthen the effective life of this pipe.

Map and/or pictures of Project/Project Area:

VILLAGE OF DOWNERS GROVE
REPORT FOR THE STORMWATER AND FLOODPLAIN OVERSIGHT COMMITTEE
DECEMBER 13, 2007
7:00 P.M. PUBLIC WORKS FACILITY

SUBJECT:	SUBMITTED BY:
Carpenter Street Storm Sewer Improvements	Mike Millette Assistant Director of Public Works

SYNOPSIS
The Public Works Department has selected six High priority projects to be designed in 2008 regarding stormwater improvements throughout the Village of Downers Grove.

STRATEGIC PLAN ALIGNMENT
The Village's Five Year Plan and Goals identifies *Top Quality Village Infrastructure and Facilities.* An objective is *Improved Stormwater and Drainage System.*

RECOMMENDATION
Approval of the scope of the project as described herein.

BACKGROUND
The Village Council commissioned four engineering consulting firms to conduct a comprehensive study of the Village's stormwater issues in the major watersheds. The result is the Watershed Infrastructure Improvement Plan. Staff requests that the Committee study the scope of the project as presented, hear input from residents regarding issues related to the presented project and recommend approval of the scope. This particular project was previously bid in 2007, but was not started due to budgetary concerns.

PROJECT DESCRIPTION
Storm sewer improvements

LOCATION
Carpenter Street from 59th Street to 62nd Place

ISSUE
This project will include improvements to the stormwater system along Carpenter Street. It will be constructed in conjunction with water main replacement and sidewalk installation.

SCOPE
The work will include:
- New storm sewer
- Installation of high efficiency inlet grates

OUTCOME
Reduce the frequency and amount of storm runoff which leaves the public right-of-way and has caused garage flooding in the past.

TIMEFRAME
Construction will take six months in 2008.

ATTACHMENTS
CIP Sheet

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-027**

Project Description: **Storm Sewer Improvements - Carpenter Street (59th to 62nd Place)**

Project Lead: **Jonathan C. Hall** Dept.: **Public Works**

Fund: **243** Program: **343** Project Type: ☑ New Project/Expansion ☐ Changed ☐ Replacement ☐ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services							-
Land Acquisition							-
Infrastructure Improvements	240,000						240,000
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	**240,000**	**-**	**-**	**-**	**-**	**-**	**240,000**

Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund	240,000						240,000
							-
							-
							-
TOTAL FUNDING SOURCES	**240,000**	**-**	**-**	**-**	**-**	**-**	**240,000**

1. Briefly Describe and provide justification for this Capital Project Request.

This project will include improvements to the storm system along Carpenter Street. This project is a part of the water main improvement project (WA-008) which will replace the water main along this entire route.

2. Describe the project status and completed work.

Design is complete. This project was bid in 2007, but the bids exceeded the budget and no contract was awarded. The cost has been increased.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-

Map and/or pictures of Project/Project Area: