

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
AUGUST 14, 2007 AGENDA

| SUBJECT: | TYPE: | SUBMITTED BY: |
|--|--|--|
| Final Report – St. Joseph Creek, Lacey Creek and Prentiss Creek Watershed Improvement Plan <i>Engineering</i> | Resolution Ordinance Motion ✓ Discussion Only | David Fieldman Deputy Village Manager |

SYNOPSIS

Staff has prepared a presentation that will provide an overview of the recently completed engineering report on stormwater infrastructure conditions in the three watersheds located in the Village of Downers Grove locally known as the Lacey Creek, Prentiss Creek and St. Joseph Creek.

Staff is asking the Village Council to review the report prior to a full discussion as part of the regularly scheduled Workshop meeting of September 11, 2007, at which time staff will request a motion to accept the Final Report. In addition, staff proposes scheduling a public information meeting (that would be repeated several times) to allow for an informal presentation of the Final Report to the public prior to Council acceptance:

- Tuesday, August 28, 2007 at 5:30-6:30 p.m.
- Friday, September 7, 2007 at 7:00-8:00 a.m.
- Friday, September 7, 2007 at noon -1:00 p.m.
- Saturday, September 15, 2007 at 9:00-10:00 a.m.

By separate report, a financial analysis of the proposed infrastructure improvements has been prepared. This information should be concurrently reviewed by the Village Council and will be presented as a part of the proposed public information meetings.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan and Goals for 2006-2011 identifies *Top Quality Village Infrastructure and Facilities*. A supporting objective is *Improved Stormwater and Drainage System*.

FISCAL IMPACT

Please refer to the separate financial analysis report.

RECOMMENDATION

Following completion of the public information meetings, it is recommended that the Village Council hold a workshop discussion on September 11, 2007 and Council approve a motion to accept the Final Report on the September 18, 2007 active agenda.

BACKGROUND

Following a severe storm event and significant flooding on October 2, 2006, the Village Council approved the hiring of four consulting engineering firms to complete a Watershed Improvement Plan to identify stormwater issues within the Village and recommend solutions. Specifically, the following civil engineering firms were contracted with on February 6, 2007:

- Lacey Creek Watershed – V3 Companies of Illinois
- Prentiss Creek Watershed – Clark Dietz, Inc.
- St. Joseph Creek Watershed – Christopher B. Burke Engineering, Ltd. (North) and Engineering Resource Associates (South)

At the July 24, 2007 Council Workshop, staff presented preliminary findings from the four firms relative to issues in the Lacey Creek, Prentiss Creek and St. Joseph Creek Watersheds. The Final Report is now available for the Council to review and is available for public review at the Downers Grove Public Library and will soon be on the Village website. The following are the key concepts from the report.

Project Breakdown

Final Report determines the priority levels of all public stormwater issues in the three watersheds. Attached are three charts listing all High, Medium and Low priority projects, their location and the preliminary cost estimate for each project. Each location has a number of options which address the stormwater issue: the preliminary cost estimate is based on the most comprehensive project recommended by the consulting engineering firms.

| | Number of Projects | Preliminary Cost Estimate¹ |
|---------------|---------------------------|--|
| High | 16 | \$158,359,000 |
| Medium | 24 | \$135,282,000 |
| Low | 15 | \$46,898,000 |
| Total | 55 | \$340,539,000 |

Priority Level Definitions

Priority levels were set according to the following criteria:

- High – Problems that result in an immediate danger to public health, safety, life or complete loss of property value; structural damage (including any flooding of the first floor of a primary structure; basement flooding of more than 6-inches that resulted from overland flow through a window or door; or garage flooding of more than 7-inches). Problems that cause disruption of major traffic routes were also classified as High. The Final Report refers to these problems as emergency and critical.
- Medium – Problems that are less severe than High and do not result in costly damage or repairs, including shallow street flooding, disruption of minor traffic routes, basement flooding of less than 6-inches resulting from overland flow, garage flooding of less than 7-inches or yard flooding of more than 12-inches (which is not also associated with structural flooding). The Final Report refers to these problems as chronic.
- Low – Minor, isolated problems that are less severe than chronic and do not generally result in damage or require repair, or are not caused by surface flooding/drainage problems. Low problems include yard flooding of less than 12-inches; basement flooding resulting from foundation cracks, sump pump failure, seepage or other non-overland causes; or other minor, isolated problems. The Final Report refers to these projects as nuisances.

Project Implementation

Staff has considered the different options for choosing the order in which projects will be completed and determined that, aside from cost, factors to consider in this balance include:

- Availability of funding – The revenues and expenses will be linked as part of the annual budget process.
- Physical constraints – Areas and neighborhoods affected by the proposed project
- Necessary order of construction – Some downstream improvements may be required before upstream projects can be included
- Strategic grouping of projects – Stormwater improvement projects may overlap into already anticipated projects, such as water main replacements or street projects

¹ Preliminary cost estimates include 15% for design and construction engineering, 10% for National Pollutant Discharge Elimination System permit program and 20% for general construction.

- Partnerships – Projects may be better accomplished and more cost-effective when the Village partners with other agencies, both public and private (including Sanitary District, Park District, County and State)
- Permitting – Permits from other agencies may be required for certain projects, and the time it takes to obtain a permit could affect the project schedule.

The attached charts are not organized in a matrix-style format. Due to the scale and complexity of the recommended projects, a matrix-style approach to prioritization is not recommended. Strategically grouping these projects will more appropriately suit the overall goal than a matrix-style selection process. The charts list the projects in no specific prioritized order. Instead, staff will make recommendations for annual projects as part of each fiscal year budget process. The implementation schedule will be multi-year in structure and generally move from High to Medium to Low priority projects. As individual projects are presented by staff for a final design, review and recommendations will be sought from the Stormwater and Floodplain Oversight Committee.

It is important to note that staff is additionally considering making recommendations to the Village Council, as a part of this year's annual budget process, that a policy discussion is needed to review infrastructure issues that are not specifically addressed in the Final Report but in staff's opinion are related to stormwater and that are an integral component of the overall need to update and improve municipal infrastructure. Specifically:

- There may be a need to coordinate the installation of new sidewalks with stormwater improvements which may result in the Sidewalk Matrix becoming one portion of the facts that are considered by Council annually when locations are selected for sidewalk installation. At this time, the Sidewalk Matrix is the sole basis on which locations are annually selected. The purpose of discussing the merits of any change to this existing process would be to maximize the efficiency of infrastructure improvements where possible.
- There are a variety of existing Village Policies that currently govern day to day practices related to stormwater and there may be a need to consider updating/amending these Policies:
 - Wetlands and Natural Stream Configuration – Preservation
 - Maintenance of Storm Water Control Structures and Creek Channels on Public and Private Property
 - Special Service Areas (SSA)
 - Land/Property – Flood Plain Land Purchases
 - Curb and Gutter Replacement
 - Granting of Licenses for Certain Encroachments on Property Over Which the Village Holds an Easement

Public Information Meetings

The Village of Downers Grove corporate limits includes three watersheds as described herein. As a result, the Final Report is a substantial document that can be described as a detailed civil engineer review of the stormwater infrastructure deficiencies that exist today in the Village. Staff has worked closely with the professionals that prepared the Final Report and supports the approach, analysis and recommendations that the document identifies. However, staff is mindful that the implementation of a comprehensive Village-wide stormwater infrastructure program should be approached diligently only after the public has been provided an opportunity to consider the proposal. In order to facilitate a productive public dialogue, staff proposes public information meetings as a forum to present and educate the public about the Village's stormwater issues; the Final Report and its recommendation; and financing options and strategies. Staff will additionally seek opportunities to present to Village civic organizations such as the Chamber of Commerce, Rotary Club, the Downers Grove Economic Corporation and others prior to the September 11, 2007, Village Council Workshop of the Final Report. Public information meetings are tentatively scheduled to be held at Village Hall as follows:

- Tuesday, August 28, 2007 at 5:30-6:30 p.m.
- Friday, September 7, 2007 at 7:00-8:00 a.m.
- Friday, September 7, 2007 at noon -1:00 p.m.
- Saturday, September 15, 2007 at 9:00-10:00 a.m.

ATTACHMENTS

Executive Summary

Map of Watersheds

Map of Lacey Creek Subwatersheds

Map of North St. Joseph Creek Subwatersheds

Map of South St. Joseph Creek Subwatersheds

Map of Prentiss Creek Subwatersheds

High Priority Projects

Medium Priority Projects

Low Priority Projects

Wetlands and Natural Stream Configuration – Preservation

Maintenance of Storm Water Control Structures and Creek Channels on Public and Private Property

Special Service Areas (SSA)

Land/Property – Flood Plain Land Purchases

Curb and Gutter Replacement

Granting of Licenses for Certain Encroachments on Property Over Which the Village Holds an Easement

Executive Summary

In February 2007, the Village Council authorized contracts with four consultants to begin a thorough analysis of the existing drainage conditions within each of the three primary watersheds. The product of these contracts is this combined report - the Watershed Improvement Plan. The overall goal of the plan is to improve the Village's stormwater system in terms of conveyance, storage and quality. In order to create similar sized study areas, the Village split the largest watershed (St. Joseph Creek) into two parts and assigned the resultant four areas as follows:

- V3 Companies of IL → Lacey Creek
- Christopher B. Burke Engineering, Ltd. → North St. Joseph Creek
- Engineering Resource Associates → South St. Joseph Creek
- Clark-Dietz → Prentiss Creek

Each consultant thoroughly studied the problem areas using historical data, recent flooding information (particularly the October 2, 2006 event), supplemental survey data, field visits, and past/present resident complaints. The existing conditions stage of the study revealed the following drainage issues within the Village:

- Inadequate stormwater storage
 - Lack of detention basins in some areas → basins form naturally
 - Undersized detention basins
- Inadequate stormwater conveyance
 - Areas with no storm sewers, undersized storm sewers
 - Underperforming streams
 - No formal overland flow routes
 - Deteriorated overland flow routes
- Insufficient maintenance of storage facilities and conveyance system

The consultants recommended specific solutions to each problem area with the following prioritization guidelines:

1. **HIGH:** problems that result in an immediate danger to public health, safety, life, or complete loss of property value; structural damage (including any flooding of the first floor of a primary structure; basement flooding of more than 6-inches that resulted from overland flow through a window or door; or garage flooding of more than 7-inches.) Problems that cause disruption of major traffic routes were also classified as High.
2. **MEDIUM:** problems that are less severe than critical and do not result in costly damage or repairs, including shallow street flooding, disruption of minor traffic routes, basement flooding of less than 6-inches resulting from overland flow, garage flooding of less than 7-inches, or yard flooding of more than 12-inches (which is not also associated with structural flooding).

3. **LOW:** minor, isolated problems that are less severe than chronic and do not generally result in damage or require repair, or are not caused by surface flooding/drainage problems. Nuisance problems include yard flooding of less than 12-inches; basement flooding resulting from foundation cracks, sump pump failure, seepage or other non-overland causes; or other minor, isolated problems.

The recommended solutions include:

- Stormwater conveyance
 - New storm sewers
 - Upgraded or replaced storm sewers
 - New and improved overland flow routes
 - Stream improvements
- Stormwater conveyance
 - Existing detention basin improvements
 - New detention basin construction
 - Enhanced natural storage areas
 - Sufficient maintenance of storage facilities and conveyance pipes and structures

Although these recommendations are directed towards specific problem areas, detailed design plans are not included. Further work including detailed engineering plans will be required in order to transform the recommended solutions into capital construction projects. Also, the improvements will not solve every drainage issue within their vicinity. Instead, the recommended projects will address major flooding and create the capacity for future private improvements directed toward solving nuisance problems.

Many of the proposed stormwater projects will require resurfacing or complete reconstruction of entire streets. Generally, cost estimates assume that streets with rural cross-sections (ditches and no curb / gutter) will be constructed with a similar rural cross-section. Likewise, streets with urban cross-sections (curb/gutter and storm sewer) will be reconstructed with a similar urban cross-section. In some areas, changing from a rural to an urban cross-section is recommended to better control overland drainage.

Future Steps

Implementation of these solutions will require substantial resources of both time and money. The solutions will range from \$140M for major stormwater facilities (pipes and storage basins) to \$340M to include extension of smaller diameter pipes (those brought to the edge of each lot) and related road improvements.

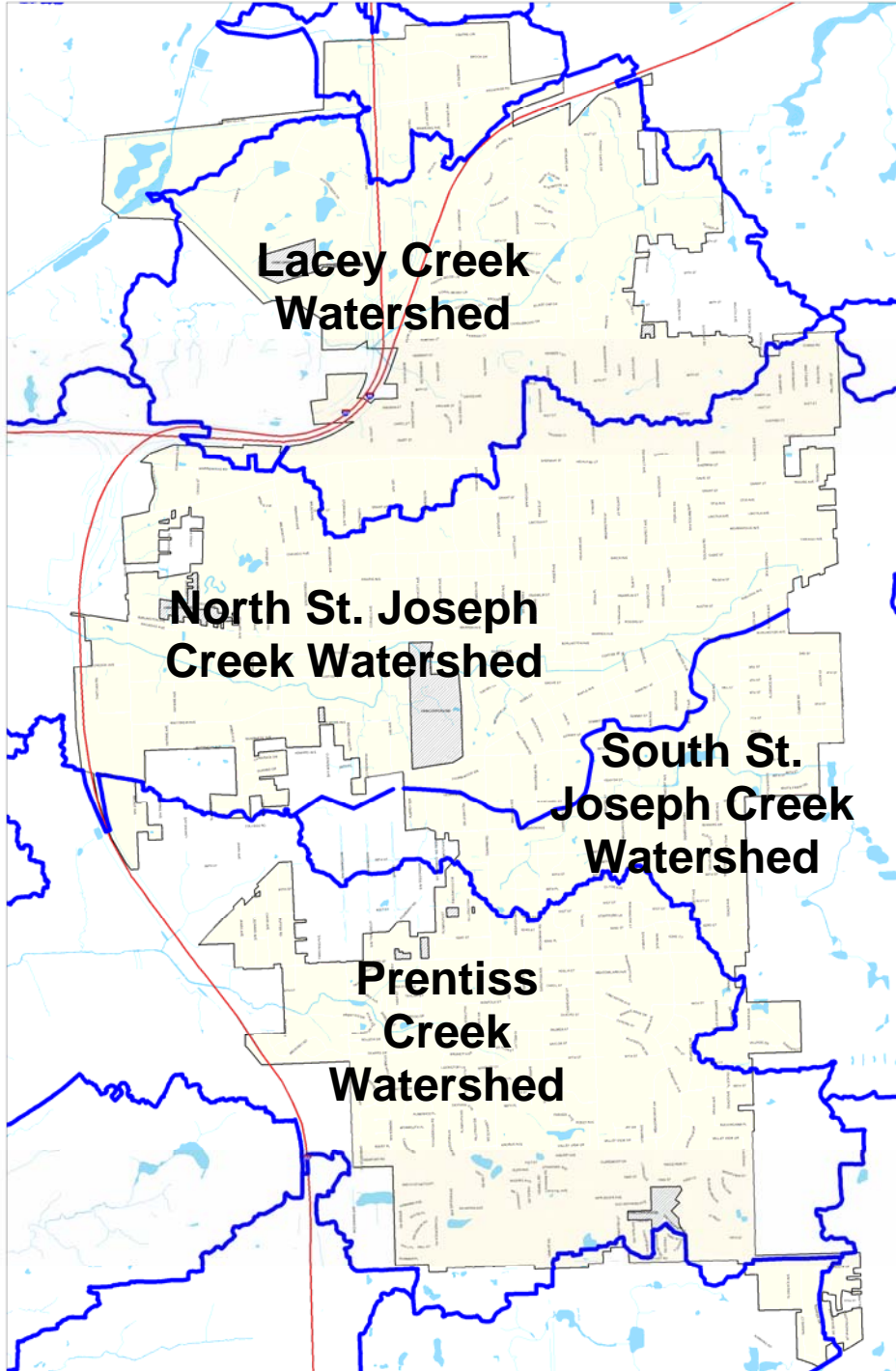
These costs can be sub-totaled by classification as follows:

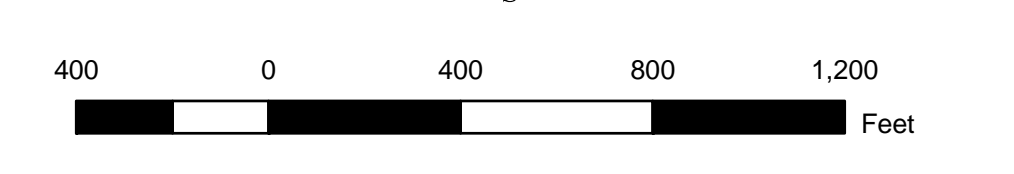
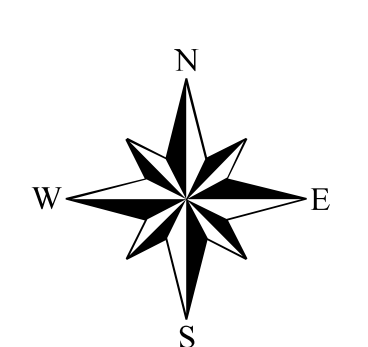
| | |
|--------------|---------------|
| High | \$158M |
| Medium | \$135M |
| Low | \$47M |
| Total | \$340M |

Given the magnitude of the projects recommended, the Village will need to balance the order in which projects are included in the Community Investment Program with annual funding levels. Aside from cost, factors to consider in determining this balance should include:

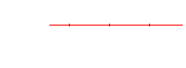

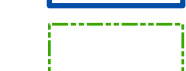









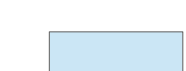
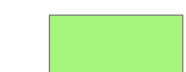

- Area affected by the proposed project
- Necessary order of construction (i.e. some downstream improvements may be required before upstream projects can be included)
- Strategic grouping of other needed projects (e.g. water main replacements and road reconstruction)
- Partnerships (public and private)

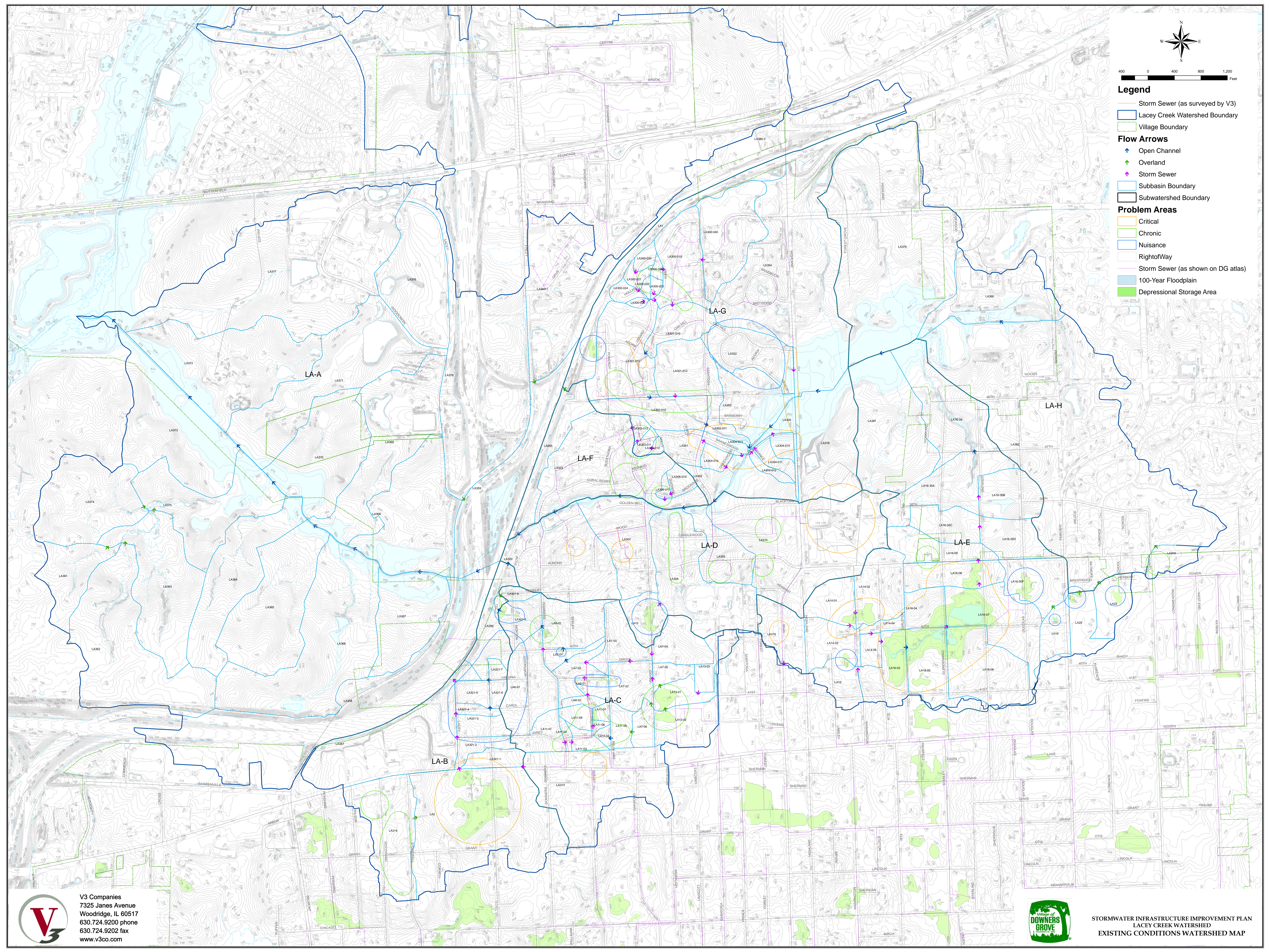
In addition to improvement of the Village's major stormwater system, implementation of the Watershed Improvement Plan will broaden access for landowner connections to address private nuisance surface water and groundwater discharge problems. A natural outgrowth of the Watershed Improvement Plan should include a reexamination of the current cost-share program and other policies to further enhance stormwater and flood management throughout the Village.





Legend

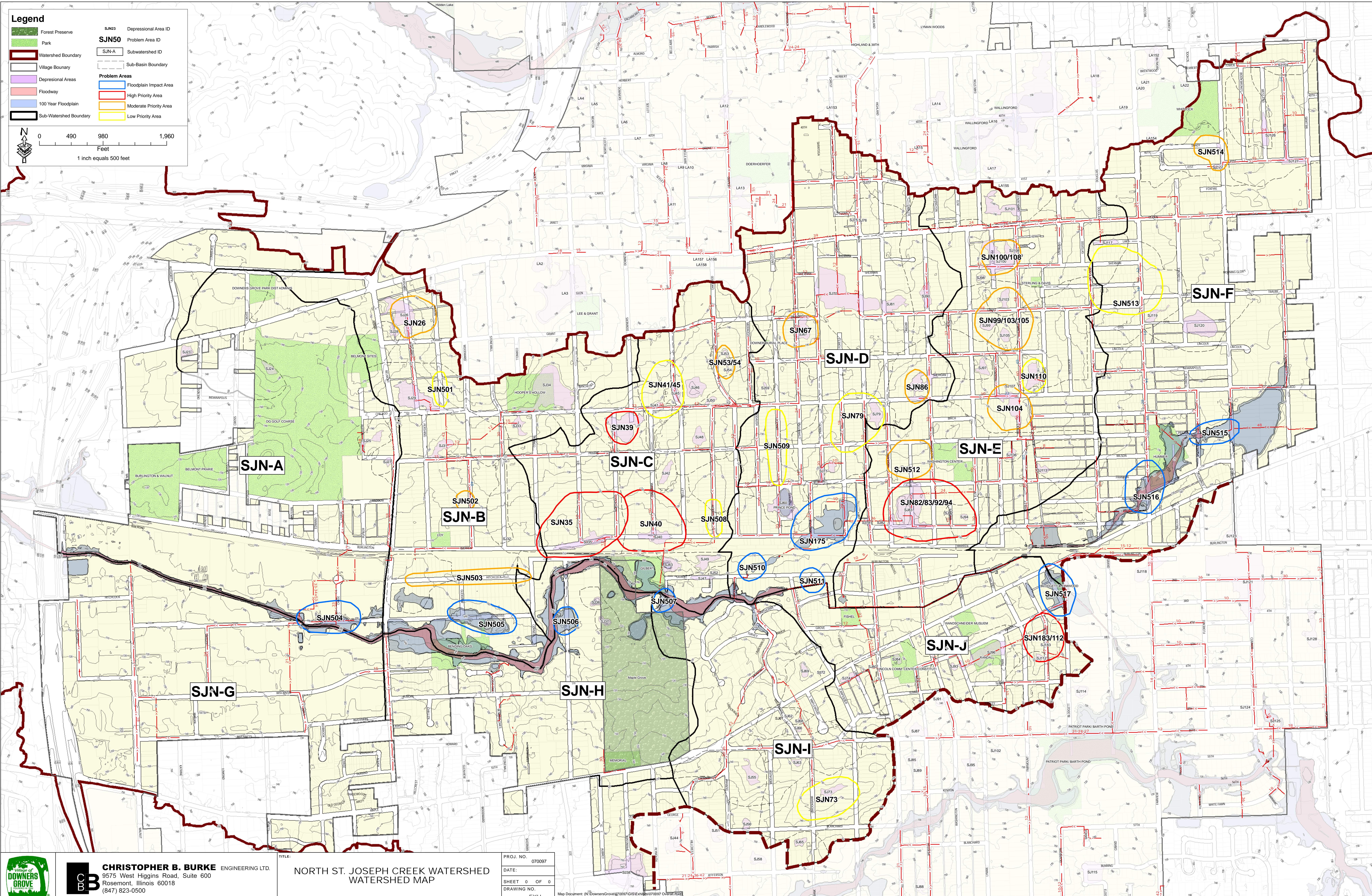
-  Storm Sewer (as surveyed by V3)
-  Lacey Creek Watershed Boundary
-  Village Boundary
- Flow Arrows**
-  Open Channel
-  Overland
-  Storm Sewer
-  Subbasin Boundary
-  Subwatershed Boundary
- Problem Areas**
-  Critical
-  Chronic
-  Nuisance
-  RightofWay
-  Storm Sewer (as shown on DG atlas)
-  100-Year Floodplain
-  Depressional Storage Area



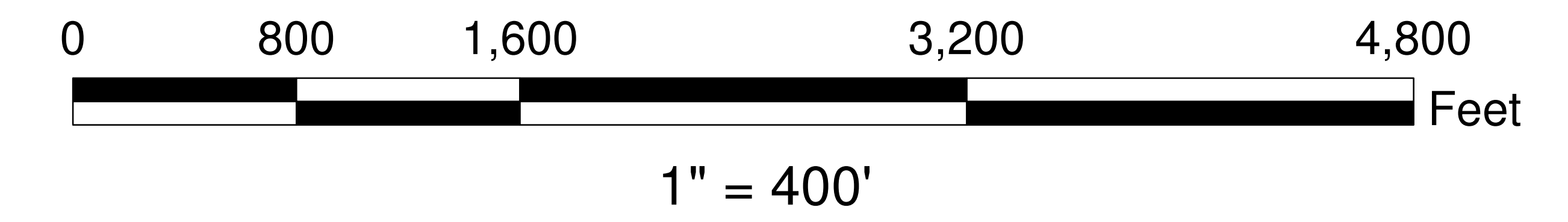
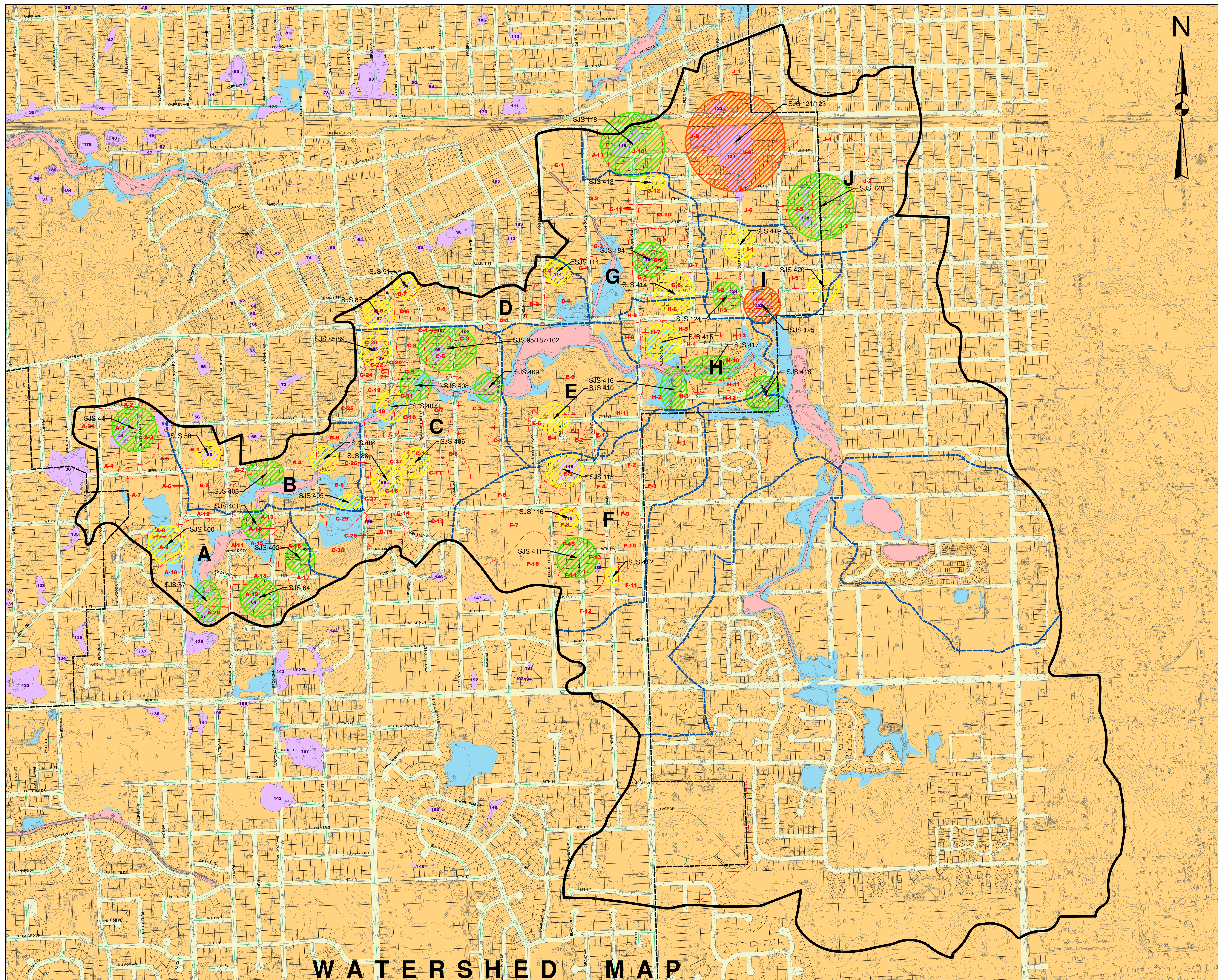
Legend

- Forest Preserve
- Park
- Watershed Boundary
- Village Boundary
- Depressional Areas
- Floodway
- 100 Year Floodplain
- Sub-Watershed Boundary
- SJN23 Depressional Area ID
- SJN50 Problem Area ID
- SJN-A Subwatershed ID
- Sub-Basin Boundary
- Problem Areas
- Floodplain Impact Area
- High Priority Area
- Moderate Priority Area
- Low Priority Area





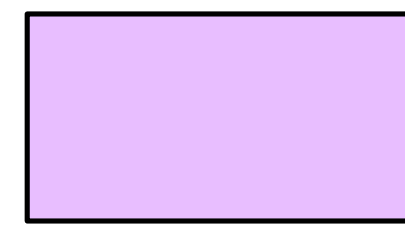
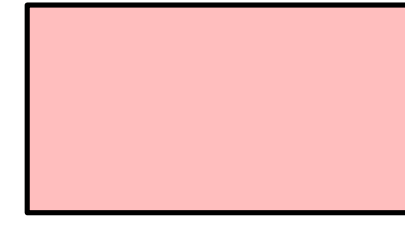



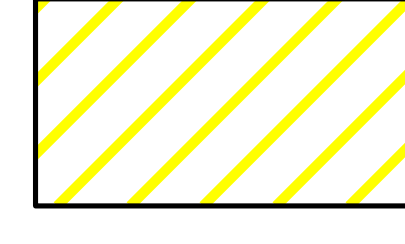
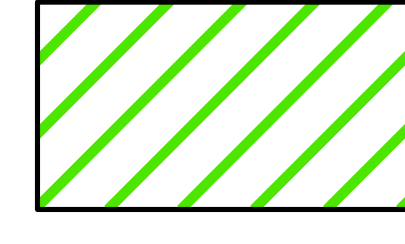

0 490 980 1,960
Feet
1 inch equals 500 feet



ST. JOSEPH CREEK SOUTH WATERSHED



LEGEND

-  WATERSHED BOUNDARY
-  VILLAGE LIMITS
-  SUBWATERSHED BOUNDARY
-  SUBBASIN BOUNDARY
-  DEPRESSIONAL AREAS
-  FLOODWAY
-  RIGHT OF WAY
-  PARCELS
-  FLOODPLAIN
-  LOW PRIORITY
-  MEDIUM PRIORITY
-  HIGH PRIORITY

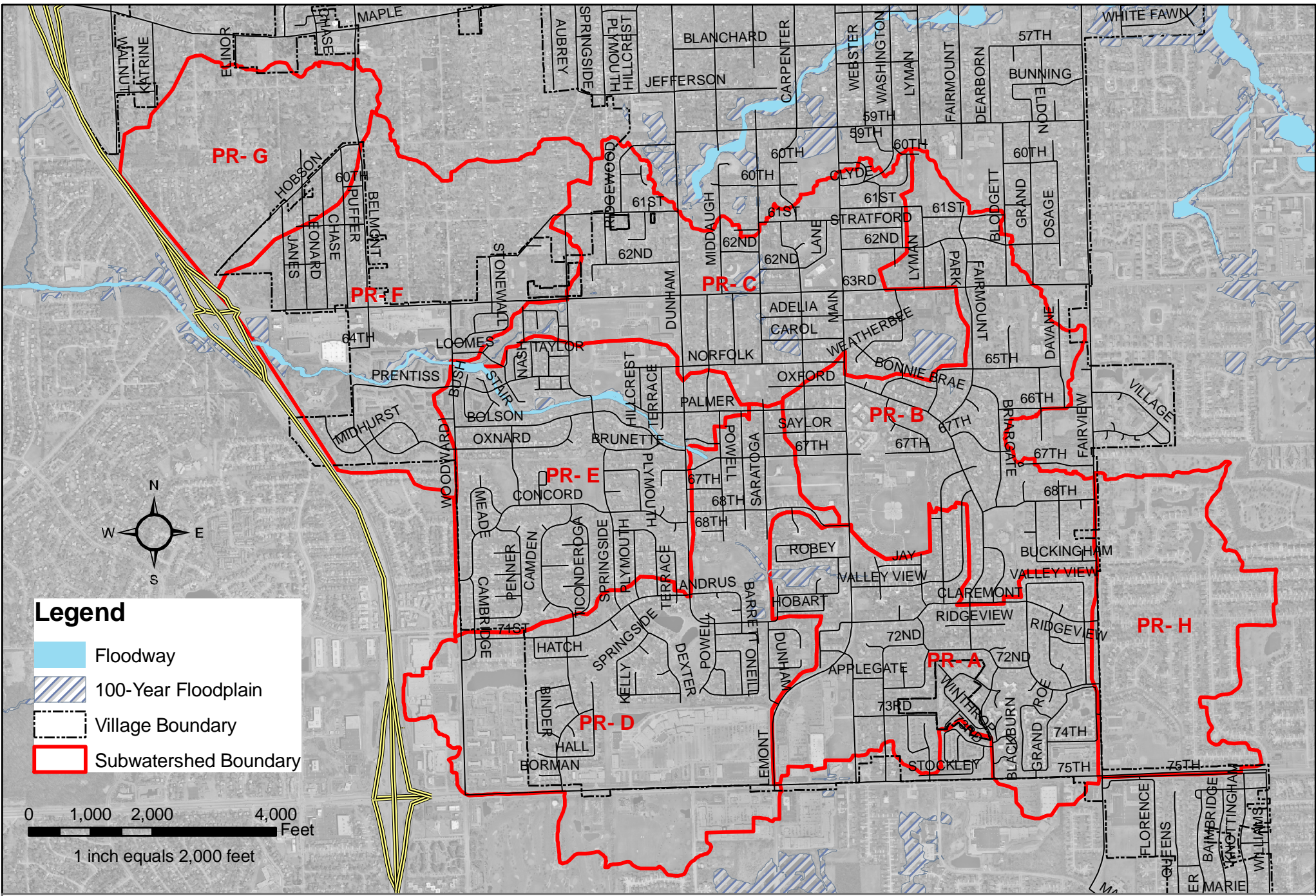
ST. JOSEPH CREEK SOUTH SUBWATERSHEDS

- A. 115 ACRES
- B. 60 ACRES
- C. 160 ACRES
- D. 45 ACRES
- E. 70 ACRES
- F. 140 ACRES
- G. 90 ACRES
- H. 70 ACRES
- I. 50 ACRES
- J. 200 ACRES

WATERSHED MAP

| | | |
|---|---|--|
|  | ENGINEERING RESOURCE ASSOCIATES, INC. <small>CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS</small> | |
| | <small>38701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 FAX (630) 393-2152</small> | <small>426 SOUTH THIRD STREET GENEVA, ILLINOIS 60134 PHONE (630) 262-8689 FAX (630) 262-8698</small> |





Village of Downers Grove

Prentiss Creek Watershed - Subwatershed Map



High Priority Projects

| Identification | | | Location | Recommend Improvements | Priority | Preliminary Cost Estimate (2007) |
|------------------------|---|-----------------|---|---|----------|----------------------------------|
| Watershed | Subwatershed | Problem Area ID | | | | |
| Lacey Creek | LA-D | LA307 | Cul de sac of Parrish Court | Replace Type 1 inlets with Type 11 inlets or similar, Maintenance | High | \$58,000 |
| Lacey Creek | LA-E | LA14 | North of intersection of Washington Street and 40th Street | Replace undersized storm sewer and add additional storm sewer as part of roadway improvement project. Provide above ground detention in lots purchased through V.B.P. | High | \$10,373,000 |
| Lacey Creek | LA-E | LA16 | Intersection of 40th Street and Glendenning Road | Installation of new stormsewer system and road improvement project. Detention provided in oversized pipes. | High | \$26,839,000 |
| Lacey Creek | LA-G | LA301 | Intersection of Venard Road and Acorn Avenue | Replace undersized storm sewer. | High | \$457,000 |
| Lacey Creek | LA-G | LA304 | Barneswood Drive between Saratoga Avenue and Highland Avenue | Replace undersized storm sewer. | High | \$127,000 |
| Lacey Creek | LA-G | LA305 | Highland Avenue between Barneswood Drive and Oak Hill Road | Regrade streambanks and possibility voluntary buyout lots; remove timber retaining walls where present; replace structures at Barneswood, Venard and Saratoga; and raise profiles of Highland and Barneswood. | High | \$19,000,000 |
| North St. Joseph Creek | SJN-C | SJN35 | At Warren between Cornell and Northcott | Grade stormwater storage basin, increase storm sewer size, add storm sewer, regrade depressional areas, provide outlet for depressional areas | High | \$13,003,000 |
| | | SJN39 | Southeast of Chicago between Northcott and Wallbank | | | |
| | | SJN40 | At Warren and Wallbank | | | |
| | | SJN41/45 | Northwest of Seeley and Chicago | | | |
| | | SJN53/54 | East of Oakwood between Grant and Chicago | | | |
| SJN508 | Montgomery north of Warren | | | | | |
| North St. Joseph Creek | SJN-E | SJN82/83 | Between Rogers and Franklin and between Highland and Washington | Grade stormwater storage basins, increase storm sewer, add control/diversion structure, provide outlet for depressional areas | High | \$19,240,000 |
| | | SJN92/94 | Between Washington and Elm north of Rogers | | | |
| | | SJN99/103/105 | West of Stanley between Lincoln and Sherman | | | |
| | | SJN100/108 | Between Prospect and Stanley north of Sherman | | | |
| | | SJN104 | At southwest corner of Chicago and Debolt | | | |
| | | SJN110 | Between Stanley and Sterling north of Chicago | | | |
| SJN512 | Between Highland and Washington North of Franklin | | | | | |
| North St. Joseph Creek | SJN-J | SJN183/112 | South of Randall between Blodgett and Fairmount | Voluntary buy-out program, grade stormwater storage basin | High | \$7,827,000 |
| South St. Joseph Creek | SJS-I | SJS-419 | 6th and Cumnor | Voluntarily Buyout approximately 8 properties in floodplain. Create storage facility | High | \$11,984,000 |
| | | SJS-124 | 8th between Cumnor and Florence | | | |
| | | SJS-125 | N. of 55th between Cumnor and Victor | | | |
| | | SJS-420 | Williams and 8th | | | |
| South St. Joseph Creek | SJS-J | SJS-118 | Fairview between 3rd and Burlington | Provide entire watershed with 100- year storm sewer | High | \$15,864,000 |
| | | SJS-121/123 | 2nd and Cumnor | | | |
| | | SJS-128 | Williams Between Richmond and 6th | | | |
| Prentiss Creek | PR-E | PR 605 | Vicinity of Concord Drive | Correct Backpitched Sewer, Add Additional Inlets/Change to Non-Clog Grates, Jetting of Storm Sewer | High | \$599,000 |
| Prentiss Creek | PR-B | PR 608 | Downers Grove Estates - Southeast | Roadway Reconstruction - Storm Sewers with Curb & Gutter | High | \$7,307,000 |
| Prentiss Creek | PR-C | PR 609 | Downers Grove Estates - Northwest | Roadway Reconstruction - Storm Sewers with Curb & Gutter | High | \$9,969,000 |
| Prentiss Creek | PR-F | PR 610 | Hobson Triangle | Roadway Reconstruction - Modified Rural Cross Section with Storm Sewer | High | \$8,171,000 |
| Prentiss Creek | PR-B | PR 614 | Vicinity of Fairmount Avenue from 63rd St. to Oxford St. | Add Additional Inlets/Change to Non-Clog Grates, Replace Storm Sewer, Construct Detention Pond | High | \$7,541,000 |

Total Cost= \$158,359,000
Number of Projects= 16

Medium Priority Projects

| Indentification | | | Location | Recommend Improvements | Priority | Preliminary Cost Estimate (2007) |
|------------------|--------------|----------------|--|--|----------|----------------------------------|
| Watershed | Subwatershed | Problem Area | | | | |
| Lacey | LA-B | LA314 | Woodward Avenue between Ogden Avenue and Grant Street | New storm sewer system on Stonewall & Woodward to collect runoff and take to LA2. Allow homeowners to connect to pipe network. Provide detention in empty lot west of LA2 wetland. | Medium | \$10,189,000 |
| | | LA 324 | Unsewered area south of Ogden, west of Cornell | | | |
| Lacey | LA-C | LA6 | Downers Drive between Herbert Street and 40th Street | Replace undersized storm sewer and add additional storm sewer as part of roadway improvement project. Clear and maintain unnamed tributary. Add above ground detention in Doerhoefer Park. | Medium | \$14,016,000 |
| | | LA7 | 40th Street between Downers Drive and Seeley Avenue | | | |
| | | LA8 | Virginia Street between Seeley Avenue and Belle Aire Lane | | | |
| | | LA11 | Intersection of Janet Street and Seeley Avenue | | | |
| | | LA13 | Venard Road between Drove Avenue and Ogden Avenue | | | |
| Lacey | LA-D | LA308 | Cul de sac of 39th Street and cul de sac of Candlewood Court | Install inlet in parkway and re-establish private drain connection | Medium | \$73,000 |
| Lacey | LA-D | LA309 | East of the intersection of 39th Street and Saratoga Avenue | Replace Type 1 inlets with Type 11 inlets or similar, Maintenance | Medium | \$58,000 |
| Lacey | LA-D | LA310 | Candlewood Drive south of Black Oak Drive | Maintenance | Medium | \$58,000 |
| Lacey | LA-F | LA303 | Intersection of Venard Road and Barneswood Drive | Maintenance | Medium | \$29,000 |
| Lacey | LA-F | LA306 | Brookside Lane near intersection with Duchess Court | Install backflow preventer | Medium | \$42,000 |
| Lacey | LA-F | LA323 | Residential Property on Coral Berry | Re-establish curb and gutter capacity | Medium | \$206,000 |
| Lacey | LA-G | LA300 | Intersection of Venard Road and Drew Street | Replace undersized storm sewer in conjunction with road reconstruction project | Medium | \$800,000 |
| Lacey | LA-G | LA302 | 35th Street between Venard Road and Saratoga Avenue | Replace undersized storm sewer in conjunction with road reconstruction project | Medium | \$574,000 |
| North St. Joseph | SJN-B | SJN26 | At Pershing east of Arbor between Ogden and Grant | Grade stormwater storage basin, increase storm sewer from 48" to 54", add 48" storm sewer, regrade depressional area, provide outlet for depressional area | Medium | \$18,497,000 |
| | | SJN501 | East of Pershing north of Warren | | | |
| | | SJN502 | West of Woodward north of Warren | | | |
| | | SJN503 | Hitchcock between Cornell and Glenview | | | |
| North St. Joseph | SJN-F | SJN513 | Davis and Fairview | Add, replace, and maintain inlets | Medium | \$15,153,000 |
| | | SJN514 | Cumnor and Shady Lane | | | |
| North St. Joseph | SJN-I | SJN73 | North of Blanchard between Brookbank and Carpenter | Regrade depressional area, provide outlet for depressional areas | Medium | \$5,630,000 |
| South St. Joseph | SJS-A | SJS-44 | Hillcrest between George and Jefferson | Provide 10-Year storm sewer outlet for SJS 44. Replace trunk line to eliminate back pitched pipes, standing water and debris . Provide 10- year storm sewer SJS 64 & 60th place. Construct storage facility | Medium | \$26,869,000 |
| | | SJS-400 | North of 61st between Ridgewood and Dunham | | | |
| | | SJS-57 | East 61st and Dunham | | | |
| | | SJS-401 | 59th West of Brookbank | | | |
| | | SJS-64 | SW of Brookbank and 60th | | | |
| | | SJS-402 | 60th and Carpenter | | | |
| South St. Joseph | SJS-B | SJS-58 | NW of Jefferson and Middaugh | Construct storage facility. Construct bypass sewer. Preform channel maintenance | Medium | \$14,078,000 |
| | | SJS-403 | Brookbank and Jefferson | | | |
| | | SJS-404 | Carpenter between 59 and blanchard | | | |
| | | SJS-405 | NW of Main St and 59th | | | |
| | | SJS-85/89 | E. of Main between 55th and Kenyon | | | |
| South St. Joseph | SJS-C | SJS-95/187/102 | N. of Kenyon between Washigton and Fairmount | Construct storage facility. Provide 10-year storm sewer for SJS 95/187/102/85/95/88. Replace creek culverts to pass 100- year storm. Replace 59th St. storm sewer and reroute to storage facility. Perform channel maintenance | Medium | \$18,825,000 |
| | | SJS-408 | Kenyon and Washignton | | | |
| | | SJS-409 | Fairmount E. of Kenyon and Lyman | | | |
| | | SJS-407 | Webster between Kenyon and Blanchard | | | |
| | | SJS-406 | Washington between Blanchard and 59th | | | |
| | | SJS-88 | Webster between Blanchard and 59th | | | |

| | | | | | | |
|------------------|-------|---------|--|--|--------|-------------|
| South St. Joseph | SJS-H | SJS-415 | Wilcox and 55th Pl. | Perform channel maintenance | Medium | \$128,000 |
| | | SJS-416 | SW. of 56th and Deerpath | | | |
| | | SJS-417 | 56th between Deerpath and Cumnor | | | |
| | | SJS-418 | Harmac and White Fawn | | | |
| Prentiss | PR-A | PR 601 | O'Brien Park / Valley View Estates Pond | Add Sediment Forebay in Pond, Eliminate Stagnant Pools in Pond, Pond Landscaping, Pond Maintenance | Medium | \$2,353,000 |
| Prentiss | PR-D | PR 603 | 6700 Block Saratoga / Mar-Duke Farm | Install Additional Inlets/Change to Non-Clog Grates, Construct Rain Garden at Mar-Duke Farm | Medium | \$486,000 |
| Prentiss | PR-E | PR 604 | Vicinity of Woodward Avenue and Prentiss Drive | Convert In-Line Retention to Off-Line Detention Pond, Establish Shoreline Vegetation, Perform Stream Maintenance, Perform Streambank Stabilization, Fix Broken Culvert | Medium | \$1,098,000 |
| Prentiss | PR-F | PR 607 | Oxnard Drive Cul-de-sac | Extend Storm Sewer and Add Inlets, Add Additional Inlets/Change to Non-Clog Grates | Medium | \$136,000 |
| Prentiss | PR-C | PR 613 | Vicinity of 62nd Lane East of Brookbank | Fix Backpitched Sewer / Upsize Sewer, Modify Rear Yard Drainage Pipe, Add Storm Sewer to Clyde Avenue, Aid Residents with Individual Property Issues | Medium | \$4,930,000 |
| Prentiss | PR-A | PR 615 | Valley View Drive near Blackburn Avenue | Fix Backpitched Sewer / Upsize Sewer, Add Additional Inlets/Change to Non-Clog Grates, Perform Detention Pond Study | Medium | \$760,000 |
| Prentiss | PR-A | PR 616 | Vicinity of Valley View Dr. from Main St. to Meadowcrest Dr. | Correct Backpitched Sewer, Extend Storm Sewers to Aid with Yard Drainage | Medium | \$294,000 |

Total Cost= \$135,282,000
Number of Projects= 24

Low Priority Projects

| Indentification | | | Location | Recommend Improvements | Priority | Preliminary Cost Estimate (2007) |
|------------------|--------------|------------------------|--|--|----------|----------------------------------|
| Watershed | Subwatershed | Problem Area ID | | | | |
| Lacey | LA-B | LA321 | Unsewered Area north of Ogden, east of Lacey and I-355, south of Herbert, west of Seeley | New storm sewer system parallel to Lacey sewer and connect laterals along Janet, Carol, and Virginia Northcott. Provide above ground detention in empty lot west of Lacey. | Low | \$12,569,000 |
| | LA-C | | | | | |
| Lacey | LA-G | LA322 | Unsewered Area north of Ogden, east of Lacey and I-355, south of Herbert, west of Seeley | Installation of new stormsewer system and road improvement project. Detention provided in above ground storage facility. | Low | \$5,788,000 |
| North St. Joseph | SJN-A | <i>None Identified</i> | West of Belmont north of St. Joseph Creek | Add/extend storm sewer system only | Low | \$3,289,000 |
| North St. Joseph | SJN-D | SJN67 | Souteast of Grant and Saratoga | Provide outlets or enhance existing outlets of depressional areas | Low | \$9,334,000 |
| | | SJN79 | Between Main and Highland south of Chicago | | | |
| | | SJN86 | Northwest of Chicago and Washington | | | |
| | | SJN509 | Linscott north of Franklin | | | |
| North St. Joseph | SJN-G | <i>None Identified</i> | West of Belmont south of St. Joseph Creek | Add/extend storm sewer system only | Low | \$735,000 |
| North St. Joseph | SJN-H | <i>None Identified</i> | East of Belmont West of Maple Grove Forest Preserve south of St. Joseph Creek | Add/extend storm sewer system only | Low | \$3,350,000 |
| South St. Joseph | SJS-D | SJS-87 | Northwest of 55th and Webster | Perform channel maintenance | Low | \$561,000 |
| | | SJS-91 | Southwest of Washington and Summit | | | |
| | | SJS-114 | East of Summit and Blodgett | | | |
| South St. Joseph | SJS-E | SJS-410 | 57th and Wanda | Provide 10- year storm sewer for 57th st. system. Preform channel maintenance | Low | \$1,769,000 |
| South St. Joseph | SJS-F | SJS-115 | W. of Bunning and Grand | Construct bypass storm sewer. Provide 10-year strom sewer for SJS 115 | Low | \$5,595,000 |
| | | SJS-116 | SW. of 59th and Grand | | | |
| | | SJS-411 | Grand and 60th | | | |
| | | SJS-412 | Osage between 60th and 61st | | | |
| South St. Joseph | SJS-G | SJS-413 | 3rd between Florence and Fairview | Provide 10- year storm sewer on 5th, 8th, and fairview ave. Perform channel maintenance | Low | \$2,551,000 |
| | | SJS-184 | S. of 6th between Fairview and Florence | | | |
| | | SJS-414 | 8th between Florance and Fairview | | | |
| Prentiss | PR-B | PR 600 | Vicinity of Fairmount Avenue and 62nd Street | Clean Sewers, Replace & Add Inlet Structures, Improve Downstream Storm Sewer System, Upsize Storm Sewer & Correct Profile | Low | \$840,000 |
| Prentiss | PR-A | PR 602 | Vicinity of Claremont Drive to 73rd Street, east of Main Street | Jetting of Storm Sewer, Add Additional Inlets/Change to Non-Clog Grates, Inspect Detention Pond Outlet Structures, Investigate Claim of Resident Filling Detention Area | Low | \$58,000 |
| Prentiss | PR-D | PR 606 | Springside Avenue along Nicor Gas Utility Easement | Coordinate with Utility RE: Drainage Issue, Clean Clogged Grates/Add Additional Inlets | Low | \$46,000 |
| Prentiss | PR-E | PR 611 | Vicinity of Oxnard Drive and Bolson Drive | Correct Backpitched Sewer, Add Additional Inlets/Change to Non-Clog Grates, Aid Residents with Individual Property Issues | Low | \$231,000 |
| Prentiss | PR-D | PR 612 | Dunham Place Subdivisions | Survey/Investigate Storm Sewer Segment, Jetting of Storm Sewers, Add Additional Inlets/Change to Non-Clog Grates | Low | \$182,000 |

Total Cost= \$46,898,000
Number of Projects= 15



Village of Downers Grove

Official Village Policy Approved by Village Council

| | | |
|-----------------|---|--------------------------------|
| Description: | Wetlands and Natural Stream Configuration, Preservation of | |
| Res. or Ord. #: | Res. 95-15 | Effective Date: 4/17/95 |
| Category: | Engineering and Public Works | |
| | <input type="checkbox"/> New Council Policy | |
| | <input checked="" type="checkbox"/> Amends Previous Policy Dated: | 12/4/78 |
| | Description of Previous Policy (if different from above): | |
| | <u>Wetlands and Natural Stream Config. Res. 78-46</u> | |

RESOLUTION NO. 95-15

A RESOLUTION ESTABLISHING A VILLAGE POLICY TO PRESERVE WETLANDS AND NATURAL STREAM CONFIGURATIONS

WHEREAS, on December 4, 1978, the Village Council of the Village of Downers Grove adopted Resolution No. 78-46 which established a Council policy concerning the preservation of wetlands; and

WHEREAS, the Village Council has recently reviewed that policy and desires to make certain changes thereto; and

WHEREAS, wetlands in the Village of Downers Grove should be given special consideration for their role in water quality enhancement and for their flood control potential; and

WHEREAS, riparian environments along streams and ponds should be carefully considered as areas of sediment and water quality control, and wildlife habitat; and

WHEREAS, it has been determined by the Council of the Village that, although a policy for protection of wetlands and natural stream configurations has been established through the adoption of a Stormwater and Flood Control Ordinance as Chapter 26 of the Downers Grove Municipal Code, it is desirable to establish an explicit policy for the protection of wetlands and natural stream configurations in the Village;

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That Resolution No. 78-46 is hereby repealed.
2. That it shall be the policy of the Village to preserve wetlands and natural stream configurations in the Village in order to utilize inherent water cleansing action and flood control potential, and to protect wildlife habitats, in accordance with Chapter 26 of the Downers Grove Municipal Code.

3. That all resolutions or parts of resolutions in conflict with the provisions of this resolution are hereby repealed.

4. That the validity of any action otherwise taken by the Village Council in accordance with applicable law shall not be invalidated, impaired or otherwise affected by noncompliance with any part of the procedures or policy set forth herein.

5. That this resolution shall be in full force and effect from and after its passage as provided by law.

Betty M. Cheever, Mayor

Passed: April 17, 1995
Attest: Barbara Waldner, Village Clerk



Village of Downers Grove

Official Village Policy Approved by Village Council

| | | |
|-----------------|---|---------------------------------|
| Description: | Maintenance of Storm Water Control Structures and Creek Channels on Public and Private Property | |
| Res. or Ord. #: | Res. 98-57 | Effective Date: 10/12/98 |
| Category: | Engineering and Public Works | |
| | <input type="checkbox"/> New Council Policy | |
| | <input checked="" type="checkbox"/> Amends Previous Policy Dated: 1/2/96 | |
| | Description of Previous Policy (if different from above): Maintenance of Storm Water Control Structures and Creek Channels | |

RESOLUTION NO. 98-57

A RESOLUTION ESTABLISHING THE POLICY OF THE VILLAGE OF DOWNERS GROVE CONCERNING MAINTENANCE OF STORM WATER CONTROL STRUCTURES AND CREEK CHANNELS ON PUBLIC AND PRIVATE PROPERTY

WHEREAS, the control of storm water runoff is necessary to protect public health, welfare and safety; and

WHEREAS, storm water control structures and creek channels are located on both public and private property throughout the Village and often work together in an integrated system to manage storm water runoff; and

WHEREAS, proper maintenance and upkeep is necessary and beneficial to maintain the functional ability of these structures and creek channels to adequately manage storm water runoff,

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

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I. INTRODUCTION

Recognizing the often ambiguous public/private nature of residential storm drainage concerns, the Department of Public Works has prepared the following procedures in the interest of improving customer service and streamlining the action-research process. Except as otherwise provided by the Downers Grove Storm Water and Flood Plain Ordinance, as now or hereafter amended (Downers Grove Municipal Code, Chapter 26) and by Resolution 95-15, as now or hereafter amended (A Resolution Establishing a Village Policy to Preserve Wetlands and Natural Stream Configurations), this Resolution is hereby adopted to guide decisions and actions affecting the maintenance of storm water structures and creek channels on public and private property.

1. Definitions

1. Creek Channel: Creek Channel means those natural waterways which, as determined by the Village Engineer, function and provide necessary storm water drainage within the Village. The creekways are designated as follows:

- a. Lacey Creek - South of Barneswood from east of Highland to Venard
 South of Coralberry from Venard to Downers Drive
 North of Plum Court from Downers Drive to Tollway
 South of Lacey from Finley to east branch
- b. St. Joseph Creek - North of Maple from Cumnor to Hummer Park

North of Austin from Fairview to south of Austin
South of Maple from Carpenter to Jacqueline
South of Curtiss from Cornell to west of Belmont
North of Curtiss from west of Belmont to Walnut
North of Hitchcock from Walnut to Tollway

South Branch

South of 56th from Cumnor to Fairview
South of 55th from Fairview to Barth Pond
North of 59th from west of Brookbank to Main
South of Kenyon from Main to Fairmount

- c. Prentiss Creek - north of 67th from Powell to Dunham
North of Bolson from Dunham to Prentiss
North of Prentiss from Woodward to Puffer

2. Creek Channel Maintenance: Creek channel maintenance means those activities necessary to preserve the functional utility of the creek channel, including removing debris and woody growth which has caused or may be likely to cause a blockage or obstruction to creek channels which could result in increased flooding, preventing the accumulation of such debris, and installing, cleaning, repairing or replacing storm water control structures along such creek channels.

3. Functional Maintenance: Functional maintenance means the maintenance, repair and/or replacement of storm water control structures, including the cleaning of storm sewers, inlets, and catch basins, to preserve the functional utility of the structure. Provided, such cleaning shall not include surface maintenance, including but limited to maintaining the aesthetic qualities and features of the storm water control structure.

4. Outfall Storm Sewer: An outfall storm sewer is that portion of a storm sewer and associated structures installed within the public right-of-way or easement that has the hydraulic and structural ability to accept storm drainage from private property.

5. Private Overland Drainage: Private overland drainage means the surface flow of storm water originating on or passing through private property.

6. Private Storm Water Control Structure: Private storm water control structure means a storm water control structure that is located on private property and for which the Village does not have an easement or other right of access or maintenance.

7. Public/Private Partnership: Public/Private partnership means those instances where the Village may provide technical and limited financial assistance to a homeowner for the correction of a drainage/flooding problem.

8. Shared Storm Water Control Structure: Shared storm water control structure means a storm water control structure located on private property, but for which the Village has an easement or other right of access or maintenance.

9. Storm Drainage Structures: Storm drainage structures shall include, but not be limited to, storm sewers, siltation basins, concrete lined channels, concrete head walls, inlets, catch basins, and concrete end sections or spillways, which are part of a storm water retention or detention facility.

10. Storm Water Control Structure: Storm water control structure means those pipes, storm sewers, siltation basin, lined channels, head walls, inlets, catch basins, end sections, spillways and other appurtenances, which are necessary, designed and intended to manage storm water flow, detention and/or retention. A storm water control structure does not include the surface conditions and contours of the property upon which the structure is located.

11. Surface Maintenance: Surface maintenance means the normal and usual maintenance of the ground conditions in, over and around the storm water control structures. This includes mowing and removal of debris which accumulates over and around inlets, outlets, manholes, catch basins, and siltation basins. This also includes work to preserve or restore the aesthetic qualities and features of the storm water control structure.

12. Village Owned Storm Water Control Structure: Village owned storm water control structure means storm water control structure located on Village owned property or right-of way.

II. RESPONSIBILITIES

A.) Department of Public Works

1. Engineering Division

The Engineering Division shall have primary responsibility for the investigation and analysis of residential storm drainage concerns. This process may include topographical surveying of the area in question, as well as technical assistance for the homeowner in the event that the condition qualifies for a public/private partnership.

The Village shall indemnify Village employees whose engineering (technical) assistance is offered and accepted by homeowners.

2. Drainage Division

The Drainage Division shall have primary responsibility for performing maintenance on Village owned and shared storm water control structures, right-of-way drainage and creek channels.

B.) Position Responsibilities

1. Documentation

Due to the time factor in determining public financial participation, residential requests for assistance on drainage concerns may be taken by phone. However, a follow-up letter shall be required of the resident and/or residents detailing the existing conditions.

The Engineering Division shall respond to the resident explaining its findings of the condition in question within thirty (30) days of receipt of the resident's written request for assistance.

Routing Information

The Engineering Division shall, upon receiving a written request for assistance, advise staff of the issue at hand. The Senior Director of Public Works, Director of Engineering, Director of Operations, and Director of Community Relations shall receive copies of the resident's written request.

C.) Public/Private Partnerships

1. Neighborhood Storm Drainage Project Priority Criteria

- Priority 1. Drainage circumstances that result in the direct flooding of homes or create conditions that render these structures virtually uninhabitable. Examples are surface water entering window wells, basements, or first floor entrances. Adverse conditions that may qualify for Priority No. 1 status are inundation of septic fields and/or private well heads or flooding within the public rights-of-way such that access to and from the structure is severely limited or cut off.
- Priority 2. Drainage problems that are basically all of the above conditions that affect accessory buildings, such as garages, rather than the home or primary structures on the property.
- Priority 3. Locations where flooding also occurs in the public right-of-way to the degree where the road must be barricaded; however, no structures are adversely affected.
- Priority 4. Flooding conditions where flooding is limited to private property of more than one developable lot; however, no structures are adversely affected.

Project Feasibility

Public/Private partnerships may be undertaken in order to mitigate a condition which causes storm water to pond for a period of more than four (4) days after a rainfall, if located on private property where more than one developable lot is affected. Public/private partnerships shall not be considered for flooding conditions where flooding is limited to private property on a single, developable lot, creating a nuisance as opposed to a threat to a structure or the motoring public. All construction under a public/private partnership on private property shall be the responsibility of the property owner. A drainage easement shall also be required in order to provide the necessary access to maintain the storm water control structure.

Public/Private partnerships shall only be acceptable for residential storm drainage issues not resolved as of the effective date of this procedure.

Conditions which cause storm water to pond on private property for a period of fewer than four (4) days after a rainfall, and affect only one developable lot shall be considered a nuisance conditions and not eligible for public participation.

Project Cost

Considering the large burden these types of projects can cause on a budget, the following guidelines for financial assistance are established to allow for more residents to be assisted with Village funds.

- a. The Village may pay one half the cost of eligible projects, not to exceed \$1,000 for work done by a private contractor, or for materials if the work is done by the homeowner. This cost share shall also include those items necessary to be constructed with right-of-ways or public property to the point of outfall. Such cost sharing shall be provided on a reimbursement basis following proper completion of all work. Property owners receiving such reimbursement shall indemnify and hold harmless the Village, its officers, agents and employees, from any claim, damages or liability whatsoever arising out of the design, construction, existence or maintenance of the facility. In addition, easements may be required which grant the Village the right, but not the obligation, to enter upon the property and take corrective action if the facility is not properly maintained. **Provided, any funds provided under this section shall be subject to such budget limitations and other restrictions as may from time to time be set by the Village.**
 - b. The distribution of the private share between residential property owners shall not be the responsibility of the Village.
4. Outfall Provisions

The Village will provide an outfall storm sewer for both private and public/private residential storm drainage projects subject to the following criteria.

1. The outfall storm sewer shall be constructed to the affected property lot line extended.
2. The Village will not provide outfall storm sewer in locations where the existing storm sewer is adjacent to the affected property in any portion of the right-of-way or easement.
3. Any storm sewer extension must meet all reasonable construction procedures and be hydraulically feasible and functional.
4. Any outfall storm sewer extension shall not exceed two (200) hundred lineal feet for a single connection, and one (100) hundred lineal feet for each additional connection. Outfall storm sewer extensions exceeding these limits must be considered as potential capital projects by the Village and planned and addressed separately from this Resolution.

III. PROCEDURES

A.) Storm Water Facilities Maintenance

1. The Village may accept functional maintenance of all storm drainage structures which are part of a storm water retention or detention facility if such facility stores excess storm water from more than one developable lot and if such

structures are located within recorded storm drainage or designated utility easements.

2. The Village may install siltation basins in existing storm water retention and detention facilities which serve more one developable lot if it shall be determined by the Village Manager or his designee that:
 - a. Economic benefit will result from such installation;
 - b. Downstream siltation will be reduced by such installation; and,
 - c. No hazard will be created by such installation.
3. Fences shall be discouraged around wet bottom storm water storage facilities.
4. The Village shall encourage conversion of wet bottom storage facilities to dry bottom storage facilities in locations where maintenance costs and hazards of wet bottom storage facilities are of concern to property owners, so long as the same storm water storage capacity is maintained by the converted facility.
5. The Village will support and encourage dedication of storm water retention and detention facilities to those public agencies which find such facilities desirable for public use.
6. Upstream low flow storm water shall be diverted around or under storm water retention and detention facilities unless adequate provision is made to offset potential pollution and sedimentation problems and to eliminate long term saturated soil conditions.
7. Storm water retention and detention facilities shall be discouraged on developable residential lots which are less than 1/3 acre in area and less than 150' in depth.
8. The area to be included in storm water retention and detention basins in new developments shall be combined wherever possible.
9. Wet bottom storage facilities shall be permitted where adequate siltation control is provided, provided however, that such facilities shall not be permitted in floodways as depicted on the flood control map of the Village.
10. An access easement shall be required to and around the perimeter of the top of the slope of each wet bottom storage facility, such easement shall be at least fifteen feet wide.
11. Installation of culverts in open roadside swales shall be discouraged, provided however, that such installation shall be allowed through driveways. Enclosure of ditch lines shall be done according to the following criteria:
 - a. Existing ditch has side slopes exceeding 3:1.
 - b. Existing ditch top of bank is within three feet of edge of pavement.
 - c. Existing ditch has flowline slope at less than 1%.
 - d. Existing ditch has excessive flowline slope with above normal erosion.

- e. Enclosure necessary to protect utilities or trees.
 - f. Enclosure of ditch will not constrict or cause upstream restriction of drainage.
12. It shall be prohibited to locate a storm water retention or detention facility on property which is not benefited thereby, provided however, that such a facility may be located on a property owned by a taxing body or homeowners' association even though such facility does not benefit such property.

B.) Storm Sewer Maintenance On Private Property

- 1. The Village will offer to maintain, repair, or replace an existing storm sewer, or remove the storm sewer and replace same with an open ditch system, or a combination of the above, if the property owner will, at no cost to the Village, grant the Village a permanent easement, a minimum of fifteen feet wide, over the storm sewer. The Village will prepare, or have prepared, the necessary easement documents and plats for the property owner, at no cost to the property owner. Locations of such storm sewers crossing private property must serve upstream areas in excess of one plotted lot and are necessary to prevent flooding of upstream structures.
- 2. This offer is being adopted to improve the storm drainage systems located within the Village of Downers Grove in order to reduce damage of public and private property caused by improper maintenance of storm sewers serving upstream areas that are located on private property.

C.) Swimming Pool Drains

- 1. Any discharge line that will drain a swimming pool may connect to the Village storm sewer system. An application for a permit shall be obtained from the Public Works Department. The application must include the following data:
 - a. Location of the pool;
 - b. Description of the pool's discharge system including size and slope of the pipe, and rate of discharge in cubic feet per second;
 - c. Location of public storm sewer within public right-of-way or easement;
 - d. Detailed description of proposed discharge line connection with public system; and,
 - e. The capacity of the public storm sewer (in cubic feet per second) to which the discharge line is to be connected.
- 2. The discharge rate from the swimming pool shall be limited to one-half of the capacity of the storm sewer system to which the discharge is to be connected.
- 3. The backwash system is not to be connected to the storm sewer system but shall be connected to the sanitary sewer system per Sanitary District Standards.
- 4. If one inch or greater rainfall is anticipated, the pool shall not be drained into the Village storm sewer system during a period of 24 hours prior to or 24 hours after said rainfall to eliminate surcharging the Village's storm sewer system.

5. In the event any contamination were discharged into the Village storm sewer system from a swimming pool, the Village shall have the right to disconnect the discharge line from the Village system and no further connection shall be permitted until such time as the Village is assured that no pollution will enter the Village's storm sewer system.

D.) Private Property Storm Water Pumping

1. In order to protect private property residences during flooding conditions, the Village of Downers Grove may pump private property when, in the opinion of the Village, the following criteria are present:
 - a. Storm water is entering a structure from the exterior and placing the residence in immediate and imminent danger of flooding. Accessory buildings will not be considered residence in immediate and imminent danger and pumping will not be authorized to protect the same.
 - b. Pumping of private property does not conflict with downstream drainage, nor place any property at danger.
 - c. Pumping shall be authorized in writing by the owner of the property, using approved forms releasing the Village and its employees from any liability.
 - d. Pumping may be done from the property yard only. Pumping from the basement shall not be done by the Village.
 - e. The Village will not pump any areas that flood due to sanitary sewer back-up, seepage or sheet flow due to poor yard grading.
2. Authorization for pumping may be given only by the following individuals:
 - a. Director of Operations;
 - b. Senior Director of Public Works in absence of Director of Operations;
 - c. Director of Engineering in absence of Director of Operations and Senior Director of Public Works;
 - d. Assistant Village Manager in absence of Director of Operations, Senior Director of Public Works and Director of Engineering;
 - e. Village Manager in absence of Director of Operations, Senior Director of Public Works, Director of Engineering and Assistant Village Manager.
3. The Village shall cease pumping procedures when, in the opinion of the Director of Operations, Senior Director of Public Works, Director of Engineering or Drainage Supervisor, the residence is considered to be free of immediate and imminent danger.
4. This procedure may be superseded during state of emergencies, large area power outages or as necessitated for public health and safety.

E.) Storm Sewer Extensions - Sump Pumps/Yard Drainage

1. Requests for storm sewer extensions to accept sump pump discharge within the right-of way shall meet the following criteria:
 - a. The Village shall verify that the sump pump discharge or private property drainage causes ponding of water in the right-of-way of two (2) inches or greater and/or causes icing of public sidewalk or pavement.
 - b. Relocation of the sump pump discharge or private property drainage is not possible and will not allow outfall over natural grade and extension of the storm sewer is determined by the Village to be the only method available to eliminate the hazardous condition of ponding and icing. Parkway grading, lot grading or cleaning, ditch reshaping, redirection of outfall, change in method of dispersion, or other measures are not possible and will not eliminate the hazardous condition.
 - c. The existing storm sewer must not be located in any portion of the right-of-way adjacent to the property, which includes the entire front footage of the property for the total width of the right-of-way.
 - d. The storm sewer extension must meet all reasonable construction procedures and be hydraulically feasible and functional.
 - e. The storm sewer extension shall not exceed two hundred (200) lineal feet for a single connection, and one hundred (100) lineal feet for each additional sump pump connection.
2. If the above criteria are not met, the Village shall not construct such extension of the storm sewer. The homeowner or property owner may then install the storm sewer extension and be solely responsible for all associated costs, if chosen.

F.) Obtaining Easements

1. The Village Manager is authorized to execute and accept on behalf of the Village from time to time as he may deem necessary, easements over privately owned property, or property owned by public bodies other than the Village, on which are located or across which access may be gained to storm water detention and drainage facilities, portions of the Village's water distribution or storm water control systems, or other Village owned facilities, in accordance with Resolution 95-34, which is attached hereto as Appendix A and incorporated herein by reference.

G.) Maintenance of Storm Water Control Structures and Creek Channels

1. In general, it is expected that the Village will provide functional maintenance and surface maintenance for any Village owned storm water control structure.
2. At the sole discretion of the Village, the Village may accept functional maintenance of a shared storm water control structure. The decision to accept such functional maintenance will be based upon the existing and projected conditions of the shared storm water control structure, anticipated cost for such functional maintenance, the extent of anticipated public benefit and impact, and such other factors as the Village may deem relevant at the time a decision is made. Acceptance by the Village for functional maintenance will be subject to the following:

- a. Surface maintenance shall remain the responsibility of the property owner or association as the cause may be.
 - b. Acceptance of functional maintenance shall be without prejudice to any rights of the Village to seek reimbursement for such costs as permitted under the law or any plat, agreement, covenant, easement or other document.
 - c. The decision of the Village Council to accept functional maintenance under this policy may be rescinded at any time.
3. The Village is not expected to have any maintenance responsibility for a private storm water control structure. Provided the Village reserves the right in all cases, including private storm water control structures, to protect the public provided under the law, to compel proper maintenance of such private structure.
4. At the sole discretion of the Village, the Village may accept creek channel maintenance for creek channels within the Village. The decision to accept such creek channel maintenance may be based upon the existing and projected conditions of the creek channels, anticipated cost for such creek channel maintenance, the extent of anticipated public benefit and impact, and such other factors as the Village may deem relevant at the time a decision is made. Acceptance by the Village of creek channel maintenance will be subject to the following:
- a. It is the policy of the Village of Downers Grove to encourage and support functional maintenance of creek channels as necessary to preserve their functional capability to convey storm water. In terms of creek channel maintenance, functional maintenance shall include (a) removing debris and woody growth which has caused or may be likely to cause a blockage or obstruction to creek channels which could result in increased flooding; (b) preventing the accumulation of such debris; (c) mowing or treating of creek banks to control the growth of vegetation; and (d) installing, cleaning, repairing or replacing storm drainage structures along such creek channels.
 - b. Creek channel maintenance shall be limited to those creek channels under the direct control of the Village or for which the Village has an easement or other right of access and maintenance. Provided, that where the Village does not have an easement or other right of access and maintenance, the Village reserves the right to protect the public health, welfare and safety, and to enforce all rights, duties, and privileges provided under the law, to compel proper maintenance of such creek channels.
 - c. The Village shall enforce the Downers Grove Storm Water and Flood Control Ordinance and Section 13-7(c) of the Municipal Code as they apply to prevent the obstruction of watercourses.
 - d. It shall be the policy of the Village to secure permanent access easements from owners of property adjacent to creek channels to the extent they may be necessary to facilitate creek channel maintenance.

- e. The Village may elect to undertake functional maintenance (as applies to creek channels) including removal of debris or vegetation which has caused or may be likely to cause blockage or obstruction of such creek channels, mowing or treating creek banks as necessary to control the growth of such vegetation, and grading or excavating creek bottoms to remove siltation and improve the flow of storm water.
- f. Accepting of creek channel maintenance shall be without prejudice to any rights of the Village to seek reimbursement for such costs as permitted under the law or any plat, agreement, covenant, easement or other documents.
- g. The decision of the Village Council to accept creek channel maintenance under this policy may be rescinded at any time.

IV. CONCLUSION

- A. The interpretation of an application of these procedures shall be within the sole discretion of the Village Council, which decision shall be final.
- B. This Resolution is not intended nor shall it impose or create any liability or obligation on the Village. No liability shall be imposed on the Village, its officers, agents or employees, as a result of the existence of the Resolution, or any actions or inactions taken with respect to this Resolution. It is further expressly acknowledged that any actions by the Village in relation to this Resolution shall be within budgetary limitations as may from time to time be set by the Village Council. The validity of any action otherwise taken by the Council in accordance with applicable law shall not be invalidated, impaired, or otherwise be affected by compliance or noncompliance with any part of the Resolution set forth herein. It is expressly understood that this Resolution is a general guideline and shall not place any mandatory obligations upon the Village, its officers, agents or employees.
- C. All resolutions in conflict with the provisions of this Resolution, and in particular Resolution 96-1 is hereby repealed.
- D. The provisions of this Resolution shall be in full force and effect upon its passage and approval.

Mayor Pro Tem Marilyn Schnell

Attest: April K. Holden, Village Clerk
Passed: October 12, 1998



Village of Downers Grove

Official Village Policy Approved by Village Council

| | | | |
|-----------------|-------------------------------------|---|--------------------------------|
| Description: | Special Service Areas | | |
| Res. or Ord. #: | Res. 95-43 | Effective Date: | 8/21/95 |
| Category: | Financial Services | | |
| | <input type="checkbox"/> | New Council Policy | |
| | <input checked="" type="checkbox"/> | Amends Previous Policy Dated: | 9/26/83 and 11/2/87 |
| | | Description of Previous Policy (if different from above): | |

RESOLUTION NO. 95-43

A RESOLUTION ESTABLISHING THE POLICY OF THE COUNCIL OF THE VILLAGE OF DOWNERS GROVE CONCERNING SPECIAL SERVICE AREAS

WHEREAS, Chapter 35 of the Illinois Compiled Statutes, Sections 200/27-5 et seq. establishes procedures for the levy and collection of taxes for provision of special services to areas within the boundaries of home rule units; and

WHEREAS, the Village of Downers Grove is a home rule unit pursuant to Article VII, Section 6 of the Illinois Constitution, and is authorized thereby to legislate for its "government and affairs"; and

WHEREAS, the Council of the Village of Downers Grove has determined it to be necessary and desirable to set forth a written policy by this resolution concerning the establishment of special service areas within the Village in the discretion of the Village Council,

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Downers Grove, DuPage County, Illinois as follows:

1. That the establishment of statutorily authorized special service areas and the imposition of special taxes in conjunction therewith is within the sole discretion of the Village Council.
2. That the Village Council will consider the establishment of special service areas for provision of special services or improvements within the Village if the defined area is a contiguous area in which:
 - (a) services or improvements desired by the property owners in the area are in addition to those customarily provided by the Village; or
 - (b) improvements desired by the property owners are among those required of developers in new subdivisions or planned developments, or otherwise required of property owners pursuant to Village ordinance, but which do not exist in the area due to the time of its development or other factors; or

- (c) services or improvements desired by the property owners in the area are not included in financial plans approved by the Village for the immediate future and such property owners seek accelerated completion of such improvements; or
- (d) services or improvements in the area include extensive off-site improvements related to a proposed development or redevelopment of the area; such improvements are to be required of the developers in order to obtain Village approval, and construction of such improvements prior to full development of the area will allow for completion at an earlier date or in concert with other improvements in the area to provide the least possible disruption during construction.

3. If the special service area is to be provided under the conditions established in subparagraphs (a), (b) or (c) of paragraph 2 herein, the Village Council will consider the establishment of a special service area in accordance with the manner established by law.

4. That the nature, rate and amount of the tax to be levied; the amount, interest rate, and life of bonds to be issued, if any, for the special service area shall be determined in the sole discretion of the Village Council upon the recommendation of the Village Manager.

5. That the validity of any action taken by the Council which is otherwise in conformance with applicable law shall not be invalidated, impaired or otherwise affected by noncompliance with any part of the policy set forth herein.

6. That all resolutions or parts of resolutions in conflict with this resolution, and specifically including the provisions of Resolution 83-30, are hereby repealed.

7. That this resolution shall be in full force and effect from and after its passage and approval as provided by law.

Betty M. Cheever, Mayor

Passed: August 21, 1995
Published: August 22, 1995
Attest: April K. Holden, Deputy Village Clerk



Village of Downers Grove

Official Village Policy Approved by Village Council

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|-----------------|---|--|
| Description: | Land/Property—Flood Plain Land Purchases | |
| Res. or Ord. #: | Res. 95-18 | Effective Date: 5/8/95 |
| Category: | Legislative and General Management | |
| | <input type="checkbox"/> New Council Policy | |
| | <input checked="" type="checkbox"/> | Amends Previous Policy Dated: 12/4/78 |
| | Description of Previous Policy (if different from above): | |
| | <u>Flood Plain Land Purchases Resolution #78-47</u> | |

RESOLUTION NO. 95-18

A RESOLUTION AMENDING THE VILLAGE COUNCIL POLICY ESTABLISHING CRITERIA FOR FLOODPLAIN LAND PURCHASES

WHEREAS, on December 4, 1978, the Village Council of the Village of Downers Grove adopted Resolution No. 78-47 which established a Council policy concerning the criteria for floodplain land purchases; and

WHEREAS, the Council has recently reviewed that policy and desires to make certain changes thereto; and

WHEREAS, it is the policy of the Village of Downers Grove to provide for effective management of stormwater to the greatest extent possible; and

WHEREAS, from time to time providing effective stormwater management requires consideration of purchase of properties by the Village of Downers Grove for stormwater retention and management; and

WHEREAS, such expenditures should be undertaken only after a thorough consideration of the benefits to be received in relation to the costs to the Village;

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Downers Grove as follows:

SECTION 1. That Resolution No. 78-47 is hereby repealed.

SECTION 2. That the Village Council should cause investigation of and duly consider the following factors and any others it deems important and relevant under the particular circumstances in each case, before making a decision whether or not to purchase floodplain property for the purpose of stormwater management:

- a. The control executed by applicable Village ordinances over land development, storm drainage and flooding conditions in and adjacent to the property considered for purchase.
- b. The impact that development of the property considered for purchase, in conformance with applicable Village ordinances, would have upon upstream and downstream properties.
- c. The need for additional stormwater detention in the area to reduce flooding upstream or downstream as determined in light of the downstream storm drainage system improvement costs.
- d. The benefit, if any, of additional storage provided by reconfiguration of the property considered for purchase.
- e. The cost of the property considered for purchase in its present state.
- f. The cost of reconfiguring the property considered for purchase to obtain additional stormwater storage.
- g. The cost of maintaining the property considered for purchase in its present state or as reconfigured.
- h. The additional revenue produced by private development of the property considered for purchase which would compensate the Village for supplemental stormwater management improvements resulting from that development.
- i. The Village funds available for purchase and possible reconfiguration of the property considered for purchase.

SECTION 3. That the validity of any ordinance, resolution or action otherwise taken in accordance with applicable law shall not be invalidated, impaired or otherwise affected by non-compliance with the criteria or procedures set forth herein.

SECTION 4. That all resolutions or parts of resolutions in conflict with the provisions of this resolution are hereby repealed.

SECTION 5. That this resolution shall be in full force and effect from and after its passage as provided by law.

Marilyn J. Schnell, Mayor Pro tem

Passed: May 8, 1995
Attest: Barbara Waldner, Village Clerk



Village of Downers Grove

Official Village Policy Approved by Village Council

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|-----------------|---|--------------------------------|
| Description: | Curbs and Gutters, Replacement of | |
| Res. or Ord. #: | Res. 95-33 | Effective Date: 7/17/95 |
| Category: | Engineering and Public Works | |
| | <input type="checkbox"/> New Council Policy | |
| | <input checked="" type="checkbox"/> Amends Previous Policy Dated: | 2/8/82 |
| | Description of Previous Policy (if different from above): | |
| | <u>Replacement of Curbs and Gutters in the Village</u> | |

RESOLUTION NO. 95-33

A RESOLUTION AMENDING CERTAIN POLICIES OF THE COUNCIL OF THE VILLAGE OF DOWNERS GROVE RELATED TO THE REPLACEMENT OF CURBS AND GUTTERS IN THE VILLAGE

WHEREAS, the maintenance of sound and functional curb and gutter structures is important to assure positive drainage, and to assure the safety and serviceability of the roadways of the Village; and

WHEREAS, the Council of the Village of Downers Grove has determined it to be necessary and desirable to establish a policy for the replacement of hazardous and deteriorated curb and gutter in the Village; and

WHEREAS, it has been further determined by the Village Council that curb and gutter replacement in conjunction with street resurfacing or reconstruction is cost effective and prolongs the serviceability of both the pavement and the curb; and,

WHEREAS, on February 8, 1982, the Village Council adopted Resolution 82-8 entitled "A Resolution Establishing Certain Policies of the Council of the Village of Downers Grove Related to the Replacement of Curbs and Gutters in the Village".

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Downers Grove, Illinois, as follows:

1. That in areas where significant deterioration of curbs and gutters is exhibited, the Village may consider the complete or partial replacement of such curbs and gutters in conjunction with major roadway maintenance projects as funds may be available.

2. That it shall be the policy of the Village Council to replace curbs and gutters as needed, and, whenever practical, to overlay or resurface the entire street in conjunction with such replacement or within a reasonable time thereafter.

3. That the Village Manager shall promulgate appropriate administrative policies and procedures to facilitate such curb and gutter replacement as may be requested by property owners, and that such procedures may include a program for cost sharing, subject to appropriate criteria and to availability of funds for this purpose.

4. This policy is not intended nor shall it impose or create any liability or obligation on the Village to undertake any maintenance or any other action related to curb, gutter, or street repair or replacement. No liability shall be imposed on the Village, its officers, agents or employees, as a result of the existence of this policy, or any actions or inactions taken with respect to this policy. It is further expressly acknowledged that any activities undertaken by the Village in relation to this policy shall be within budgetary limitations as may from time to time be set by the Village Council. The validity of any action otherwise taken by the Council in accordance with applicable law shall not be invalidated, impaired, or otherwise affected by noncompliance with any part of the policy set forth herein. It is expressly understood that this policy is a general guideline and shall not place any mandatory obligations upon the Village, its officers, agents or employees.

5. That all resolutions or parts of resolutions in conflict with the provisions of this resolution, and in particular Resolution 82-8, are hereby repealed.

Betty M. Cheever, Mayor

Passed: July 17, 1995
Published: July 18, 1995
Attest: Barbara Waldner, Village Clerk



Village of Downers Grove

Official Village Policy Approved by Village Council

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|-----------------|--|--------------------------------|
| Description: | Granting of Licenses for Certain Encroachments on Property Over Which the Village Holds an Easement | |
| Res. or Ord. #: | Res. 94-35 | Effective Date: 9/26/94 |
| Category: | Engineering and Public Works | |
| | <input type="checkbox"/> New Council Policy | |
| | <input checked="" type="checkbox"/> Amends Previous Policy Dated: 3/12/90 | |
| | Description of Previous Policy (if different from above): _____ | |

RESOLUTION 94-35

RESOLUTION ESTABLISHING THE PROCEDURE TO BE FOLLOWED FOR THE GRANTING OF LICENSES FOR CERTAIN ENCROACHMENTS ON PROPERTY OVER WHICH THE VILLAGE HOLDS AN EASEMENT

WHEREAS, the Village has been granted certain easements for its utilities, including storm sewers, water mains, and stormwater detention; and

WHEREAS, from time to time the Village received requests from private property owners for permission to utilize such easement areas for certain private uses which may encroach into such easement areas; and

WHEREAS, it is deemed to be appropriate from time to time for the Village to permit such encroachments into easement areas, so long as the encroachments do not unduly interfere with the Village's necessary use thereof,

WHEREAS, the Council of the Village of Downers Grove has determined that it is in the best interests of the Village to establish a procedure to be followed in determining whether a particular license should be granted,

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Downers Grove, in DuPage County, Illinois, as follows:

1. That the following procedure shall, in all events, be followed in processing, considering and acting upon requests for a license to permit certain encroachments on Village easements:

- a. The person or persons desiring the license shall file with the Village Manager's office a written request on a prescribed form, which request shall contain the following information:
- (i) name and address of the Petitioner;
 - (ii) the location, the legal description and the parcel identification number for the petitioner's property (the "Property");
 - (iii) a description of the encroachment including a site plan or drawing which shows the location of the encroachment in relationship to any Village easements or other interest in the Property;
 - (iv) if there are any public service facilities over, under or upon the Property that are known to the Petitioner, a statement as to the type of such facility and the public utility owning same;
 - (v) a fee of fifty dollars (\$50.00) shall be paid to the Village, provided that no such fee shall be required if the Petitioner is a public body. This fee shall be used to pay for staff processing of the request and recordation costs.
- b. The staff of the Village shall verify the information contained in the request.

- c. That subject to the conditions established in paragraph "d" hereof, the Village Manager of the Village of Downers Grove is hereby authorized to execute and grant on behalf of the Village from time to time as he may deem necessary and appropriate, licenses to permit certain encroachments, such as landscaping improvements or deck areas on property over which the Village holds a utility easement, on which are located or across which access may be gained to stormwater detention and drainage facilities, sidewalks, portions of the Village's water distribution or stormwater control systems, or other Village owned facilities. In connection with the granting of such licenses, the Village Manager is authorized to execute encroachment licenses, on behalf of the Village, provided that the encroachment permitted does not adversely affect the flow of drainage through or from the easement areas, and does not create any right of the private property owner to utilize the area and any public utilities located therein; and further provided that the Village is fully indemnified by the private property owner for any liability which may result as a result of the encroaching use.
 - d. An encroachment license shall run with the title of the Property and bind the successors, heirs and assigns of the Property Owner(s). Such license shall contain a provision that it may be terminated by either party on thirty (30) days notice. Upon termination, the licensee shall be responsible for removing the encroachment and returning the area to the same condition as when the license was executed.
 - e. That no licenses for such encroachments shall be granted by the Village Manager unless he has given written notice of his intent to take such action to the Village Council at least forty-eight (48) hours prior to a regularly scheduled Council meeting. At such meeting, the Village Council may direct the Village Manager to take some other action appropriate to the particular situation.
 - f. That the Village Clerk is hereby authorized to attest, seal and deliver encroachment licenses executed by the Village Manager pursuant to the authority granted by this resolution, and the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform the obligation of the Village in connection therewith.
 - g. The Village Clerk shall record the license against the Property in the Office of the Recorder of Deeds of DuPage County.
2. The validity of any grant of license otherwise carried out in accordance with applicable law shall not be invalidated, impaired or otherwise affected by noncompliance with any part of the procedure set forth herein.
 3. That Resolution 90-9, and all other resolutions or parts of resolutions in conflict with the provisions of this resolution are hereby repealed.
 4. That this resolution shall be in full force and effect from and after its passage and approval as provided by law.

Betty M. Cheever, Mayor

Passed: September 26, 1994

Attest:

Barbara Waldner, Village Clerk