



## **AGENDA**

President and Board of Trustees  
Village of Arlington Heights  
Committee-of-the-Whole  
Board Room

33 S. Arlington Heights Road, Arlington Heights, IL 60005  
March 13, 2017  
7:30 PM

### **I. CALL TO ORDER**

### **II. PLEDGE OF ALLEGIANCE**

### **III. ROLL CALL OF MEMBERS**

### **IV. NEW BUSINESS**

- A. Proposed Stormwater Action Plan and Analysis

### **V. OTHER BUSINESS**

### **VI. ADJOURNMENT**

Persons with disabilities requiring auxiliary aids or services, such as an American Sign Language interpreter or written materials in accessible formats, should contact David Robb, Disability Services Coordinator, at 33 S. Arlington Heights Road, Arlington Heights, Illinois 60005, (847)368-5793 (Voice), (847)368-5980 (Fax) or drobb@vah.com.



**Item:** Proposed Stormwater Action Plan and Analysis

**Department:** Village Manager's Office

Proposed Stormwater Action Plan and Analysis

**ATTACHMENTS:**

| <b>Description</b>                   | <b>Type</b> |
|--------------------------------------|-------------|
| Proposed Stormwater Action Plan Memo | Memorandum  |



**DATE:** March 10, 2017

**TO:** Mayor Hayes and Village Board

**FROM:** Randy Recklaus, Village Manager  
Scott Shirley, Director of Public Works  
Jim Massarelli, Director of Engineering  
Tom Kuehne, Director of Finance

**SUBJECT:** Proposed Stormwater Action Plan and Analysis

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**Background:**

This memo seeks to outline viable plans of action to enhance the Village's stormwater system in response to the flood studies completed in 2016. These concepts will be presented to the Village Board and discussed at the Committee-of-the-Whole (COW) meeting scheduled for March 13<sup>th</sup>. As stated in previous correspondence, there is no easy path to achieve a static uniform standard of service throughout the community given the diversity of our stormwater systems in different areas of town. The older areas of Arlington Heights are served by a combined sewer system where stormwater and wastewater are conveyed in the same pipes. New areas feature a separate sewer system where stormwater and wastewater are conveyed in separate pipes. Both areas present unique challenges.

Once again it must be noted that the improvements that have been identified as part of this study are not generally designed to handle a storm event of the magnitude of the July 2011 event. If such an event were to occur again, it is likely that flooding would be experienced even if all of the identified improvements were completed. However, with careful long-term planning and aggressive pursuit of cost saving opportunities such as grants from outside agencies, Staff believes the most pressing situations identified in the flood studies can be addressed in a fiscally sustainable manner. However, the nature of these challenges make the potential courses of action somewhat complex. They involve a combination of public improvements and private incentives, and the potential use of both new fees, and future property tax revenues freed up from expiring

debt. This memo attempts to outline both the options themselves and the justifications behind them.

**Updated Guiding Principles for the Stormwater Action Plan:**

The following values were used to guide the development of options. They are a result of the direction provided by the Village Board in August of 2016:

1. **Project Prioritization:** Given the high costs and operational impact of many of the improvements identified, it would be difficult to undertake all of the projects at the same time. Based on that assessment, staff prioritized the projects that either:
  - *Reduce the incidence of structure flooding (basement back-up or overland flow)*
  - *Reduce the incidence of street flooding of one foot or greater. Such stormwater levels impede the ability of emergency vehicles to respond to incidents and can increase the chance of structure flooding.*
2. **Funding Mechanism:** A flat or categorized stormwater utility fee is assumed for the purposes of this analysis. Such a fee is not based on a detailed analysis of the stormwater impact of each property, although there could be some variation of the fee for large parcels of land.
3. **Overhead Sewer (OHS) Program Enhancements:** The CDM Smith Study confirmed that increased installation of OHS systems is the most cost effective way to reduce structure flooding in the Combined Sewer Tributary Area (CSTA) study areas. Incentives to property owners to make these private property enhancements are considered along with traditional public improvements.

**Total Projected Stormwater Control Costs:**

The primary purpose of the Village's Storm Water Control Fund currently is to support annual system maintenance, the fund also provides for the annual ongoing costs of the Neighborhood Drainage program (\$300K/year) and the Stormwater Rehabilitation/Replacement program (\$500K/year). The fund will also account for any approved one-time stormwater control improvements. In the past, this fund has relied on transfers-in from other funds as to date there has never been a dedicated source of revenue. Future potential ongoing funding options will be outlined later in this memo. Exhibit 1 reflects an estimate of the Village's ongoing storm water control projects totaling \$800,000 per year summarized above, as well as a list of potential new

improvements identified by the storm water control studies. The one-time new improvements are divided by Separate Sewer Systems, Combined Sewer Systems, and Other Storm Water Projects. The total cost of the new improvements identified (not including OHS program enhancements) with no changes is \$38,429,000

Separate Storm Sewer System project costs on Exhibit 1 show a cost column provided by the study consultants, followed by a cost column projected by staff that reflects savings that can accrue by combining the storm water control project with the Village's ongoing road program. To provide a sense of the value of the proposed storm water control projects the column on the far right of Exhibit 1 shows the estimated cost/home that is potentially affected by either basement backups or street flooding greater than one foot.

The CSTA is somewhat more complex. The study consultants provided separate costs for a larger relief sewer system versus reduced costs for a system where all single-family residents had an OHS combined with a smaller number of relief sewers. Staff also calculated the cost savings of combining this work with the Village's road program. It should be noted that Exhibit 1 reflects the costs associated with an enhancement to the Village's OHS program which is discussed in detail later in this memo. If the OHS installation/relief sewer option was pursued in the CSTA and if construction costs were shared with the road program in both the combined and separate sewer area, the total project costs would be reduced in some areas resulting in a total of \$33,413,000. However, it should be noted that this number will fluctuate depending on how soon some of the projects are completed and how many residents actually take advantage of the OHS program. If there is a delay in implementing the projects some of the roads impacted may have to be worked on prior to the installation of the stormwater improvements, eliminating the savings.

### **Analysis of Prioritized Projects**

Staff developed a tentative list of all projects from both flood studies to establish a general strategy for a multi-year improvement program. This list presumes that OHS improvements and a reduced list of relief sewers be pursued as an alternative to some of the larger relief sewer only options proposed in the CDM Smith study.

Based on the high cost of completing all projects, Staff prioritized them based on the guiding principles provided by the Village board in August. This prioritization was difficult to develop due to complex, inter-related stormwater control systems and issues. Staff met and reviewed all of the proposed storm water improvements. Staff felt it was prudent to first review the benefit to cost ratio by looking at the following benefits for each flooding area: Criticality of flooding, frequency of flooding and overall

infrastructure condition. Based on these factors, Staff recommends the following prioritization beginning with the highest priority:

- 1) Increase the incentive to the Overhead Sewer Program (OHS). Staff feels that this should be completed in conjunction with the proposed projects. The installation of OHS will provide the highest degree of protection at the most cost effective price. These projects can be done by residents who feel they are greatly impacted. Based on the scale of the proposed improvements, Staff feels this is the best way to offer protection prior to infrastructure improvements that may take years based on funding limitations.
- 2) Cypress Street Area
- 3) Burke Study Area D – Greenbriar/Roanoke/Wilke
- 4) CDM Street Ponding Area 4 – Campbell Street & Sigwalt St
- 5) Burke Study Area C (both C1 & C2) – Hintz Road west of Arlington Heights Road
- 6) CDM Street Ponding Area – Race & Chicago St
- 7) Burke Study Area E – University Drive (Tanglewood properties)
- 8) CDM Street Ponding – Area Roosevelt and Cleveland Ave
- 9) Burke Study Area A – Burr Oak & Dryden
- 10) CDM Area 1- Northwest Hwy & Chicago Ave
- 11) CDM Area 2- Ridge & Euclid/Walnut & Hawthorne
- 12) CDM Area 3- Arl Hts Rd & Miner
- 13) CDM Area 7- Beverly Ln & Orchard
- 14)) CDM Area 6- Chestnut, Vail, & Evergreen Ave.
- 15) Burke Study Area F- Forest Ave
- 16) CDM Area 5- NW Hwy & Chatham Place

17) CDM Area 8- Westgate Subdivision

18) Grove Street Improvements

Burke Study "Area G" is scheduled to be done this year as part of an alternative with the Water Main Improvement program the Burke Study Area B improvements will be performed in house during our annual Storm Water Rehabilitation program.

This general prioritization puts an enhanced OHS cost sharing rebate program as Priority No. 1. This option gives residents in the CSTA the continued opportunity to all but eliminate their basement backup exposure without waiting for our relief sewer funding which even when completed, only provides protection from the 10-year (2.1" rain in one hour event). Installation of overhead sewers provides protection against rain events for greater than the 10-year event.

Projects 2-9 then address the surface (overland) flooding problem areas before we move to Projects 10-14, 16 & 17 which are the relief sewers in the CSTA that provide the 10-year level of protection for homes that have not installed overhead sewers between then and now and also reduces potential street flooding.

**Potential Overhead Sewer Program Enhancements:** As noted earlier, the primary goal of the Village's Stormwater Control program is to reduce the incidence of structure flooding due to basement back-ups and overland flooding. Based on that premise, promoting the construction of OHS systems in residential homes is a key priority. However, an OHS is a private property improvement which requires that single-family homeowner's assume some of the financial responsibility for the recommended OHS installed on their property.

Homes located in the Village's combined sewer system areas that already have an OHS installed in them, have shown that this is the best solution to prevent basement back-ups due to overcharged sewers during extraordinary rain events. These systems have been required to be installed in new homes constructed throughout the Village since the 1970s. Residents of older homes that do not have an overhead sewer system will continue to be at risk of structural flooding during excessive rain events. However, the Village's current OHS program as currently structured has apparently not provided sufficient incentive for homeowners throughout the Village to participate in the program. An average OHS costs about \$12,000 and under the current OHS program the Village offers to cover the lesser of 50% reimbursement up to \$7,500. Reasons for residents not participating in this program likely include their required contribution of \$6,000 to

\$7,500 for an improvement that isn't very visible, and the fact that a basement back-up isn't a constant issue on most residents' minds until it occurs.

The current OHS program has been in existence for about 10 years, but to date only 180 homeowners have chosen to participate. As shown in Exhibit 1 there are about 798 homes that could have some form of structure flooding during a 10 year storm event. Most of the reported flooding during the 2011 rain event was due to basement back-ups. To help provide increased protection against basement back-ups, especially in the CSTA, it appears that the OHS program would need to be increased in order to incentivize more homeowners to install such a system. Regardless of the positive benefits of installing an OHS, it is still a decision for each affected resident that involves taking personal responsibility and making an individual choice.

OHS program enhancement options:

1. Lesser of 75% reimbursement up to \$11,250.
2. Lesser of 75% reimbursement up to \$11,250, plus 5-year 0% loan for resident portion.

Each of these options could decrease the resident's financial responsibility for an OHS improvement to \$3,000 - \$3,750. If all of the potential 798 homeowners located the CSTA decided to participate in this temporary program improvement the Village's total cost would be \$7.2 million for Option 1 and \$7.6 million for Option 2. However it is likely that many homeowners would not take advantage of even an enhanced program. Moreover, some areas of the combined sewer area in and near the downtown will still require relief sewers as commercial properties in that area would not benefit from OHS improvements. In those areas, OHS improvements would still be valuable to homeowners, but should not be seen as an alternative to the installation of relief sewers.

As discussed in previous meetings and correspondence this is a difficult philosophical issue. While OHS systems are private property improvements, structure flooding that occurs in the CSTA is largely caused by the lack of OHS systems in homes (with the exception of Areas 3, 4, and 6). Generally speaking, OHS systems supplemented by a smaller amount of relief sewers will provide a higher level of service than if all the large relief sewer projects discussed in the CDM Smith report were completed. So if the Village is to address structure flooding in the combined sewer area at all, the choices are essentially, to spend Village resources to compensate for the lack of OHS systems or to spend less money to encourage their installation.

This is a difficult issue, but if the goal of the Village's efforts is to reduce the incidence of flooding for the most amount of people for as little money as possible, some additional incentive for OHS improvements should be considered.

**Analysis of Cost/Funding Options:**

Since 1962 the Village of Arlington Heights has issued numerous General Obligation bonds to continue the Village's ongoing program to reduce the impact of intense rain events on Village residents. Over the years the Village has spent over \$56 million dollars on this program. In FY2014 the Village's stormwater efforts were consolidated in one fund called the Storm Water Control Fund. This fund has not had a dedicated source of revenue, but has relied on transfers-in from other funds. Recent infusions of cash have come from a FY2014 transfer-in from the General Fund of \$1 million and another transfer-in of \$500,000 during the 8-month transition period. During 2017, \$2.7 million will be transferred-in due to the closing of the Emerald Ash Borer (EAB) Fund.

Over the last few years the Village has included two ongoing programs in the Storm Water Control Fund budget. The Neighborhood Drainage Improvement program, budgeted at \$300,000 per year provides new or improved access for residents to Village storm sewers. The program only covers work within public rights-of-way with any connections or work on private property being the responsibility of the property owners. The second ongoing program was created based on the Water and Sewer Revenue Study completed in 2014, which noted that the Village does not currently have a storm sewer rehabilitation program. The first step of establishing such a program is the overall assessment of the system's condition. Based on the size of the Village's separate storm system, the Storm Water Control Fund includes an annual budget of \$500,000 to lightly clean, televise, and analyze the condition of the Village's system. This portion of the program will take four more years to complete, after which the entire annual budget would be devoted to storm sewer rehabilitation and replacement work. At this point, the Village needs to identify a sustainable revenue source for the Storm Water Control Fund to ensure that these ongoing programs can be continued and any storm water control study projects can be considered.

Based on the Village Board's review of funding options in August 2016, it was determined that the ongoing storm water control programs should be funded by implementing a new Stormwater Utility Fee (SUF). New, one-time infrastructure projects could be timed over the years and funded through the SUF and/or through future general obligation bond issues as existing debt is retired in 2020 and 2022. Exhibit 2 shows the estimated SUF needed to cover the costs of the Village's ongoing programs as well as the additional SUF needed to cover various bond debt service

costs for new improvements. The SUF needed to cover ongoing stormwater control program costs amounts to \$3.25 per month. The additional monthly SUF needed for new improvements is shown at the bottom of Exhibit 2. These fees could be used for pay-as you-go projects or to make bond payments for larger efforts. For the purposes of our current projections, staff assumed that all property owners would pay the same flat fee as 94% of the Village's individual properties are residential properties. Should the Board approve a SUF it would be Staff's intention to consider a slightly higher fee for larger properties such as commercial and industrial properties, the Hospital and the Racetrack. However, when considering higher SUF fees for these properties, it must be noted that many of these properties already included detention as part of their development or subsequent redevelopments.

As with any new funding source, the Village will also consider equity issues and service levels across the Village. For instance, the ongoing program costs will primarily benefit those residents that live in the separate storm sewer areas, but the overhead sewer program and some of the new improvements will benefit residents living in older homes in the CSTA. The other storm water projects listed in Exhibit 2 will benefit residents living throughout the Village.

For information purposes, Exhibit 3 is a survey of comparable municipalities showing the estimated annual revenues received from an average home. This survey is also shown on page 17 of the Village's 2017 Budget. The survey shows the Stormwater Utility Fees that have already been implemented by a number of our surrounding communities. It also demonstrates that even if the Village imposes a SUF, we can still expect to remain in the middle tier of comparable communities' total municipal charges assessed to an average homeowner.

Based on the Project Priority List, the Estimated Stormwater Control Costs, and the estimated revenue generated by a Stormwater Utility Fee, Staff developed the following scenarios:

1. Exhibit 4: SUF = \$6.25/month, no use of maturing bonds;
2. Exhibit 5: SUF = \$6.25/month, use 2020 maturing bonds;
3. Exhibit 6: SUF = \$6.25/month, use 2020 and 2022 maturing bonds;
4. Exhibit 7: SUF = \$5.75/month, use 2020 and 2022 maturing bonds;
5. Exhibit 8: SUF = \$5.25/month, use 2020 and 2022 maturing bonds;

In addition to a Stormwater Utility Fee and using maturing debt toward new improvements, Village Staff would also aggressively pursue any available grant funds that may be available. This could include grant funding through the Metropolitan Water

Reclamation District of Greater Chicago (MWRDGC) Phase 2 Funding or funding through FEMA, IEPA as identified as possibilities in the flood studies. However, in today's environment, grants often come with caveats that the Village may or may not be able to comply with. An additional concern is the fact that the State budget is currently in turmoil with many significant state funding issues undetermined at this time. In addition, the Village will not generally know if grant funding is authorized until a detailed submittal including engineering design plans have been submitted. For these reasons, staff does not believe it would be prudent to assume that grant funding would be available for any of the potential improvements. However, staff does believe that when the time is appropriate, grants should be vigorously pursued. The appropriate time to pursue grants is during the design phase for each project. When a RFP is issued for stormwater improvement design work, we will require that pursuit of appropriate grant funding be an integral part of the firm's proposal and scope of work. Engineering design firms generally have close relationships with the state and federal agencies that issue grants, and will generally be aware of which grants are active during a given period. This will help the Village not only identify which grants may be in play for a given project, but also help design our projects in a manner that meets the public policy requirements of the grantor, if appropriate.

**Staff Recommendation:**

Based on discussion and analysis of the above options, Staff believes the following courses of action should be pursued:

1. Staff shall aggressively pursue grant funding for stormwater projects. As stated previously, for a variety of reasons grant funding cannot be counted upon, and in order to maintain a fiscally conservative model local funding must initially be assumed for the projects to be pursued. However, the awarding of grants would allow the Village to consider either a reduction in fees or taxes or the acceleration of the funding of lower priority projects. As the proposals for design work for each project are submitted, the Village will require grant writing and research as part of the project. This will ensure that each project is planned and designed in a manner that makes it more likely to meet the requirements of appropriate grants that would apply, and that those grants will actually be pursued.
2. Establishment of a new Stormwater Management Fee of \$6.25 per month for single family residential properties, with a yet to be established but somewhat larger fee for multi-family, and commercial, and not-for-profit properties. This fee will keep Arlington Heights near the median amongst our neighboring communities for total taxes and fees and will provide a source of revenue to support bonds for a 20 year issuance to fund the most pressing projects and

provide baseline revenue for maintenance of the system. Staff proposes that this fee could go into effect in late 2017. Based on the priority ranking completed, the projects to be funded initially would include:

- Enhancement to the OHS program
- Construction of the Cypress Area Improvement
- Construction of Relief Sewers for CDM Smith Area 4 (Campbell, Sigwalt, and Vail area)
- Construction of improvements in Burke Study Area D (Greenbriar/Roanoke/Wilke)

3. Hold off on making a decision on future property tax revenues for additional stormwater project funding at this time. Given the uncertainty of the State budget and the potential of a property tax freeze and/or reductions in other Village revenues, Staff believes it may be prudent to not commit at this time to funding other stormwater projects with future property tax revenues. However, given the ongoing retirement of debt, the Village will be in a position as early as 2020 to discuss funding remaining projects with general obligation debt without increasing the Village's tax levy. The funding for the Police Station was handled in a similar fashion. Once the existing debt is retired in 2020, the Village would be in a position to consider several options including:

- Hold off on funding any further stormwater projects at that time due to new financial challenges that require the use of the newly available existing property tax revenue;
- Fund a portion of the remaining projects with either an increased stormwater fee or newly available existing property tax revenue; or
- Fund all of the remaining Stormwater Projects with the newly available existing property tax revenue while keeping the Village's overall levy stable- assuming no further general financial challenges have materialized.

By holding off the decision, the Village keeps all of its options open given the current fiscal uncertainty in Illinois.

4. Increase the Incentive for homeowners to take advantage of the Overhead Sewer (OHS) Program. The CDM Smith study confirmed that the most cost effective and technically effective way to address basement back-up in much of the CSTA is to install more OHS Systems. Despite a previous increase in the program, only 180 homeowners out of roughly 1,000 eligible have found it

financially feasible to use the program under the current or previous program terms. Given the prevalence of basement back-ups in the CSTA and the difficulty in funding all identified projects in the studies, Staff believes that pursuing this option is the most fiscally responsible way to address this issue despite some challenges. Other options are generally more costly and do not provide the same level of protection to our residents. While it can be argued by those homeowners that previously took advantage of the program that an increase would be unfair, they have enjoyed the benefits of their system for a longer period of time by being an early adopter. Moreover, any attempt to compensate past users of the program will only serve to take money away from other projects and reduce the overall effectiveness of the program.

For those reasons, Staff recommends that the following changes be made to the OHS program in 2017:

- Increase the Village's OHS program from the lesser of 50% of the cost or \$7,500 to the lesser of 75% of the cost or \$11,250. Staff believes the use of a 0% interest loan program could become too cumbersome and may not increase the number of takers dramatically. For this reason, we are not recommending that change at this time.
- Limit the total funding of the expanded incentive program to the equivalent of 400 homes- or roughly 50% of the remaining homes in the CSTA. Once that amount is spent, the OHS program could revert to the old funding level of 50% and \$7,500. This recognizes the fact that many homeowners may never take advantage of the program because they have not experienced flooding or simply don't want to spend the money. By setting a first come, first served funding limit, it also creates a sense of urgency for potential participants. Funding levels can be re-evaluated and adjusted in future years as desired depending on the popularity of the new incentive.

**Next Steps:**

These recommendations will be discussed at the Committee of the Whole Meeting scheduled for March 13<sup>th</sup>. At that meeting it is hoped that the Village Board would give Staff additional feedback and direction on either the pursuit of the options outlined, or additional information needed prior to final decision making, including other opportunities for public input, if desired.

If the Village Board does direct Staff to pursue the options recommended, Staff will begin to include identified public improvements in the 2018 CIP program and will begin the process of further refining the SUF concept for adoption later in 2017.

Please call or email me with any questions or comments you have.

CC: Diana Mikula, Cris Paperniak, Mike Pagones, Jeff Musinski

## ESTIMATED STORMWATER CONTROL COSTS

EXHIBIT 1

## ONGOING PROGRAMS - ANNUAL COST

|                                    |         |
|------------------------------------|---------|
| Neighborhood Drainage Improvements | 300,000 |
| Storm Water Rehab./Replacement     | 500,000 |

Subtotal Ongoing Programs **800,000**

## NEW IMPROVEMENTS - ONE-TIME COST

| Project Name                            | Cost      |
|-----------------------------------------|-----------|
| Area A - Burr Oak & Dryden Plc          | 2,400,000 |
| Area B - North Stuart Dr                | 51,000    |
| Area C/NW - Burr Oak/Burning Tree       | 1,900,000 |
| Area C/SE - Hintz Rd west of Ari Hts Rd | 874,000   |
| Area D - Greenbriar/Roanoke/Wilke       | 3,500,000 |
| Area E - University Dr Detention Basin  | 5,000,000 |
| Area F - Forest Ave                     | 706,000   |
| Area G - Regency Park East              | 78,000    |

Subtotal Separate Sewer Systems **14,509,000**

## Relief Sewer &amp; Overhead

| Larger Relief Sewer Only                   | Overhead Component | Relief Sewer Component | Total     |
|--------------------------------------------|--------------------|------------------------|-----------|
| Area 1 - NW Hwy & Chicago Ave              | 720,000            | 0                      | 720,000   |
| Area 2 - Ridge & Euclid/Walnut & Hawthorne | 450,000            | 600,000                | 1,050,000 |
| Area 3 - Ari Hts Rd & Miner St             | 990,000            | 2,400,000              | 3,390,000 |
| Area 4 - Campbell, Vail, Dunton & Sigwalt  | 2,250,000          | 2,700,000              | 4,950,000 |
| Area 5 - NW Hwy & Chatham Plc              | 180,000            | 800,000                | 980,000   |
| Area 6 - Chesnut, Vail & Evergreen Ave     | 1,845,000          | 0                      | 1,845,000 |
| Area 7 - Beverly Ln & Orchard St           | 117,000            | 300,000                | 417,000   |
| Area 8 - Westgate Subdivision              | 630,000            | 0                      | 630,000   |

Subtotal Combined Sewer Systems **11,400,000**Subtotal Combined Sewer Systems **7,182,000**Subtotal Combined Sewer Systems **13,982,000**

|                               |           |
|-------------------------------|-----------|
| Street Ponding Combined Area  |           |
| Race Ave & Chicago Ave        | 900,000   |
| Roosevelt Ave & Cleveland Ave | 2,100,000 |
| Grove Street Sewer            | 3,320,000 |
| Cypress Detention Basin       | 6,200,000 |

Subtotal Other Storm Water Projects **12,520,000**Total All One-Time Projects **38,429,000**

\* Large relief sewer scheduled during later priority phases - after OHS priority.

\*\* Large relief sewer required with or without overhead sewers.

\*\*\*Previous Grove St Sewer estimate double counted. Revised number reflects box culvert option.

Note: Completing all of the projects listed above would bring all areas of the Village up to at least a standard rain protection level of 2 1/2 inches/hour but it would not protect homeowners against all of the effects of a 2011-type of rain event. Residents who install an overhead sewer system would protect their properties against basement sewer back-ups including 2011-type rain events. New homes and teardowns require that homeowners install overhead sewer systems as part of the cost of the house.

| Cost as part of Road program | Cost Savings     | Percent Savings | Structure Flooding/ Basement Backups | Street Flooding > 1 Ft. - # of Homes | Cost/Home Structure Flooding & Street Flooding > 1 Ft. |
|------------------------------|------------------|-----------------|--------------------------------------|--------------------------------------|--------------------------------------------------------|
| 2,139,000                    | 261,000          | 10.9%           | 2                                    | 8                                    | 213,900                                                |
| 33,000                       | 18,000           | 35.3%           | 2                                    | 0                                    | 16,500                                                 |
| 1,637,000                    | 263,000          | 13.8%           | 3                                    | 9                                    | 136,417                                                |
| 648,000                      | 226,000          | 25.9%           | 2                                    | 0                                    | 324,000                                                |
| 3,110,000                    | 390,000          | 11.1%           | 2                                    | 20                                   | 141,364                                                |
| 5,000,000                    | 0                | 0.0%            | 1                                    | 5                                    | 833,333                                                |
| 706,000                      | 0                | 0.0%            | 3                                    | 0                                    | 235,333                                                |
| 78,000                       | 0                | 0.0%            | 5                                    | 1                                    | 13,000                                                 |
| <b>13,351,000</b>            | <b>1,158,000</b> | <b>8.0%</b>     | <b>20</b>                            | <b>43</b>                            | <b>211,921</b>                                         |

| Cost as part of Road program | Cost Savings     | Percent Savings | Structure Flooding/ Basement Backups | Street Flooding > 1 Ft. - # of Homes | Cost/Home Structure Flooding & Street Flooding > 1 Ft. |
|------------------------------|------------------|-----------------|--------------------------------------|--------------------------------------|--------------------------------------------------------|
| 720,000                      | 0                | 0.0%            | 80                                   |                                      | 9,000                                                  |
| 900,000                      | 150,000          | 14.3%           | 50                                   |                                      | 18,000                                                 |
| 1,990,000                    | 410,000          | 12.1%           | 110                                  |                                      | 18,091                                                 |
| 2,100,000                    | 600,000          | 12.1%           | 250                                  |                                      | 8,400                                                  |
| 780,000                      | 200,000          | 20.4%           | 20                                   |                                      | 39,000                                                 |
| 1,000,000                    | 0                | 0.0%            | 205                                  |                                      | 4,878                                                  |
| 392,000                      | 25,000           | 6.0%            | 13                                   |                                      | 30,154                                                 |
| 630,000                      | 0                | 0.0%            | 70                                   |                                      | 9,000                                                  |
| <b>8,512,000</b>             | <b>1,385,000</b> | <b>9.9%</b>     | <b>798</b>                           |                                      | <b>10,667</b>                                          |

| Cost as part of Road program | Cost Savings   | Percent Savings | Structure Flooding/ Basement Backups | Street Flooding > 1 Ft. - # of Homes | Cost/Home Structure Flooding & Street Flooding > 1 Ft. |
|------------------------------|----------------|-----------------|--------------------------------------|--------------------------------------|--------------------------------------------------------|
| 800,000                      | 100,000        | 11.1%           | 2                                    | 1                                    | 266,667                                                |
| 2,000,000                    | 100,000        | 4.8%            | 5                                    | 1                                    | 333,333                                                |
| 2,950,000                    | 370,000        | 11.1%           | 7                                    | 0                                    | 421,429                                                |
| 5,800,000                    | 400,000        | 6.5%            | 5                                    | 35                                   | 145,000                                                |
| <b>11,550,000</b>            | <b>970,000</b> | <b>7.7%</b>     | <b>19</b>                            | <b>37</b>                            | <b>206,250</b>                                         |

Total All One-Time Projects **38,429,000**Total All One-Time Projects **3,513,000**Total All One-Time Projects **80**Total All One-Time Projects **36,437**

# ESTIMATED STORMWATER UTILITY FEES

## EXHIBIT 2

### ONGOING PROGRAMS - ANNUAL COST

| Neighborhood Drainage Improvements | 300,000        | <table><tr><th colspan="2">Ongoing Programs</th></tr><tr><th>Est</th><th>Est</th></tr><tr><th>Mo. Fee</th><th>Annual Revenue</th></tr></table> | Ongoing Programs |  | Est | Est | Mo. Fee | Annual Revenue |
|------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|-----|-----|---------|----------------|
| Ongoing Programs                   |                |                                                                                                                                                |                  |  |     |     |         |                |
| Est                                | Est            |                                                                                                                                                |                  |  |     |     |         |                |
| Mo. Fee                            | Annual Revenue |                                                                                                                                                |                  |  |     |     |         |                |
| Storm Water Rehab./Replacement     | 500,000        |                                                                                                                                                |                  |  |     |     |         |                |
| Subtotal Ongoing Programs          |                | 800,000                                                                                                                                        |                  |  |     |     |         |                |
|                                    |                | 3.25                                                                                                                                           |                  |  |     |     |         |                |
|                                    |                | 820,794                                                                                                                                        |                  |  |     |     |         |                |

### NEW IMPROVEMENTS - ONE-TIME COST

|                                    | Cost                      | Cost                                                |
|------------------------------------|---------------------------|-----------------------------------------------------|
| Separate Sewer Systems:            |                           | w/Road Program                                      |
|                                    | 14,509,000                | 13,351,000                                          |
| <b>Combined Sewer Systems:</b>     | <b>Large Relief Sewer</b> | <b>Sm. Relief Sewer &amp; Overhead (@ 75% Vili)</b> |
|                                    | 11,400,000                | 8,512,000                                           |
| <b>Other Storm Water Projects:</b> | <b>12,520,000</b>         | <b>11,550,000</b>                                   |
| <b>Total All One-Time Projects</b> | <b>38,429,000</b>         | <b>33,413,000</b>                                   |

### Property Owner Class

|                                |        |
|--------------------------------|--------|
| Commercial                     | 1,003  |
| Government, AH                 | 28     |
| Industrial                     | 113    |
| Residential                    | 19,794 |
| Residential, Multi-Family      | 53     |
| School/Other Government Bodies | 55     |

Total 21,046

### Estimated Annual Debt Service (20 yrs, 4%) for bond issues of:\*

| % of total new improvement costs (\$41.4 M) |                     | New Improvements |                  | Total Ongoing & New |                  |
|---------------------------------------------|---------------------|------------------|------------------|---------------------|------------------|
|                                             |                     | Est              | Est              | Monthly             | Annual           |
|                                             |                     | Mo. Fee          | Annual Revenue   | Fee                 | Revenues         |
| 8.2%                                        | 3.4 million         | 1.00             | 252,552          | 4.25                | 1,073,346        |
| 12.3%                                       | 5.1 million         | 1.50             | 378,828          | 4.75                | 1,199,622        |
| 14.5%                                       | 6.0 million         | 1.75             | 441,966          | 5.00                | 1,262,760        |
| <b>16.7%</b>                                | <b>6.9 million</b>  | <b>2.00</b>      | <b>505,104</b>   | <b>5.25</b>         | <b>1,325,898</b> |
| 20.8%                                       | 8.6 million         | 2.50             | 631,380          | 5.75                | 1,452,174        |
| <b>24.2%</b>                                | <b>10.0 million</b> | <b>3.00</b>      | <b>757,656</b>   | <b>6.25</b>         | <b>1,578,450</b> |
| 33.1%                                       | 13.7 million        | 4.00             | 1,010,208        | 7.25                | 1,831,002        |
| 36.2%                                       | 15.0 million        | 4.50             | 1,136,484        | 7.75                | 1,957,278        |
| 41.5%                                       | 17.2 million        | 5.00             | 1,265,610        | 8.25                | 2,083,554        |
| 45.7%                                       | 18.9 million        | 5.50             | 1,389,036        | 8.75                | 2,209,830        |
| <b>48.3%</b>                                | <b>20.0 million</b> | <b>6.00</b>      | <b>1,515,312</b> | <b>9.25</b>         | <b>2,336,106</b> |
| 60.4%                                       | 25.0 million        | 7.50             | 1,894,140        | 10.75               | 2,714,934        |
| 72.5%                                       | 30.0 million        | 8.75             | 2,207,460        | 12.00               | 3,030,624        |
| 96.6%                                       | 40.0 million        | 11.75            | 2,967,486        | 15.00               | 3,788,280        |

\* annual payment to retire \$1 million at 4% over 20 years = 73,582

**SURVEY OF COMPARABLE MUNICIPALITIES**

**ESTIMATED ANNUAL REVENUES RECEIVED FROM AN AVERAGE HOME**

**JUNE 2016**

**EXHIBIT 3**

**ANNUAL ESTIMATED PAYMENTS:**

| Municipality                      | 2016<br>Passenger<br>Veh. Stickers | Garbage<br>Bill* | Yard<br>Waste Bill | Combined**<br>Residential<br>Water &<br>Sewer Bill | Storm Water<br>Fee  | Home***<br>Rule<br>Sales Tax | Food &<br>Beverage<br>Sales Tax | Motor Fuel<br>Tax | Entertain.<br>Tax | Electric<br>Utility Tax<br>12,300<br>kWh/Yr | Gas<br>Utility Tax<br>1,700<br>therms/Yr | Telecom<br>Tax   | 2015****<br>Municipal<br>Property<br>Tax | Total<br>Estimated<br>Annual<br>Homeowner<br>Costs |
|-----------------------------------|------------------------------------|------------------|--------------------|----------------------------------------------------|---------------------|------------------------------|---------------------------------|-------------------|-------------------|---------------------------------------------|------------------------------------------|------------------|------------------------------------------|----------------------------------------------------|
|                                   |                                    |                  |                    |                                                    |                     |                              |                                 |                   |                   |                                             |                                          |                  |                                          |                                                    |
| Assumptions for<br>Average Family | 2<br>Cars                          | 12<br>/Yr        | 48<br>Bags/Yr      | 144,000<br>Gallons/Yr                              | Estimated<br>Fee/Yr | \$6,000<br>/Year             | \$3,000<br>/Year                | 650<br>Gallons/Yr | \$2,400<br>/Year  | \$1,400<br>/Year                            | \$1,650<br>/Year                         | \$1,200<br>/Year | \$73,766<br>EAV                          |                                                    |
| 1. Rolling Meadows                | 60.00                              | \$359.40         | \$0.00             | 1,938.24                                           | 49.20               | 60.00                        | 60.00                           | 26.00             | 0.00              | 75.03                                       | 0.00                                     | 72.00            | 1379.42                                  | \$4,079.29                                         |
| 2. Hoffman Estates                | 0.00                               | \$204.00         | \$134.40           | 1,580.88                                           | 24.00               | 60.00                        | 60.00                           | 162.50            | 144.00            | 69.00                                       | 85.00                                    | 72.00            | 1152.96                                  | \$3,748.75                                         |
| 3. Mount Prospect                 | 90.00                              | \$234.96         | \$120.00           | 1,579.20                                           | 0.00                | 60.00                        | 30.00                           | 26.00             | 0.00              | 43.17                                       | 24.99                                    | 72.00            | 997.32                                   | \$3,277.64                                         |
| 4. Elk Grove Village              | 50.00                              | 255.12           | \$108.00           | 1,728.00                                           | 0.00                | 60.00                        | 30.00                           | 0.00              | 0.00              | 75.03                                       | 17.00                                    | 60.00            | 748.72                                   | \$3,131.87                                         |
| 5. Wheeling                       | 0.00                               | \$240.48         | \$0.00             | 1,045.44                                           | 24.00               | 60.00                        | 30.00                           | 0.00              | 0.00              | 75.03                                       | 85.00                                    | 72.00            | 1275.41                                  | \$2,907.36                                         |
| 6. Des Plaines                    | 60.00                              | \$198.36         | \$0.00             | 1,147.68                                           | 109.44              | 60.00                        | 30.00                           | 26.00             | 0.00              | 70.23                                       | 42.50                                    | 72.00            | 1054.12                                  | \$2,870.33                                         |
| 7. Park Ridge                     | 90.00                              | \$0.00           | \$0.00             | 1,430.04                                           | 0.00                | 60.00                        | 30.00                           | 26.00             | 0.00              | 68.63                                       | 34.00                                    | 72.00            | 975.92                                   | \$2,786.60                                         |
| 8. Arlington Heights              | 60.00                              | \$210.00         | \$124.80           | 1,030.56                                           | 0.00                | 60.00                        | 37.50                           | 0.00              | 0.00              | 75.03                                       | 85.00                                    | 72.00            | 1002.48                                  | \$2,757.37                                         |
| 9. Schaumburg                     | 0.00                               | \$24.72          | \$0.00             | 1,583.52                                           | 0.00                | 60.00                        | 60.00                           | 0.00              | 120.00            | 0.00                                        | 0.00                                     | 72.00            | 523.74                                   | \$2,443.98                                         |
| 10. Buffalo Grove                 | 0.00                               | \$245.52         | \$0.00             | 819.36                                             | 60.96               | 60.00                        | 30.00                           | 0.00              | 0.00              | 75.03                                       | 85.00                                    | 72.00            | 971.50                                   | \$2,419.37                                         |
| 11. Palatine                      | 60.00                              | \$273.00         | \$0.00             | 736.80                                             | 60.00               | 60.00                        | 30.00                           | 0.00              | 0.00              | 52.52                                       | 0.00                                     | 72.00            | 1037.15                                  | \$2,381.47                                         |

\*AH Garbage Bill based on estimated once per week pick-up cost for comparison purposes. Rates include carts and/or SWANCC fees where applicable.

\*\* Rate/100 cubic ft. x 1.3367197 = rate/1000 gals.

\*\*\*Home/Rules Sales Taxes are on general merchandise only, not applied against vehicles or qualifying food, drugs, or medical appliances.

\*\*\*\* Municipal tax only, does not include libraries, schools, special districts, or other taxing authorities.

Sources: Surveys: Arlington Heights (08/15), / Cook County Clerk website / Municipal websites / Codes

**RATES:**

| Municipality      | 2016<br>Passenger<br>Veh. Stickers | Est.<br>Monthly<br>Garbage<br>Rate<br>(1x/week) | Yard<br>Waste<br>Rate /Bag | Combined<br>Water &<br>Sewer Rate/<br>1000 Gallons<br>+ fixed fees | Estimated<br>Storm Water<br>Fee/Month | Home<br>Rule<br>Sales<br>Tax Rate | Food &<br>Beverage<br>Sales<br>Tax Rate | Motor Fuel<br>Tax<br>Cents/Gal | Entertain.<br>Tax Rate | Electric Utility<br>Tax /kWh | Gas Utility<br>Tax /Therm | Telecom<br>Tax Rate | 2015<br>Municipal<br>Property<br>Tax Rate |
|-------------------|------------------------------------|-------------------------------------------------|----------------------------|--------------------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------------|--------------------------------|------------------------|------------------------------|---------------------------|---------------------|-------------------------------------------|
|                   |                                    |                                                 |                            |                                                                    |                                       |                                   |                                         |                                |                        |                              |                           |                     |                                           |
| Arlington Heights | 30.00                              | 17.50                                           | 2.60                       | 6.94                                                               | 0.00                                  | 1.00%                             | 1.25%                                   | 0.00                           | 0.00%                  | 0.00610                      | 0.050                     | 6.00%               | 1.3590                                    |
| Buffalo Grove     | 0.00                               | 20.46                                           | 0.00                       | 31.20                                                              | 5.08                                  | 1.00%                             | 1.00%                                   | 0.00                           | 0.00%                  | 0.00610                      | 0.050                     | 6.00%               | 1.3170                                    |
| Des Plaines       | 30.00                              | 16.53                                           | 0.00                       | 7.97                                                               | 9.12                                  | 1.00%                             | 1.00%                                   | 0.04                           | 0.00%                  | 0.00571                      | 0.025                     | 6.00%               | 1.4290                                    |
| Elk Grove Village | 25.00                              | 21.26                                           | 2.25                       | 12.00                                                              | 0.00                                  | 1.00%                             | 1.00%                                   | 0.00                           | 0.00%                  | 0.00610                      | 0.010                     | 5.00%               | 1.0150                                    |
| Hoffman Estates   | 0.00                               | 17.00                                           | 2.80                       | 10.49                                                              | 2.00                                  | 1.00%                             | 2.00%                                   | 0.25                           | 6.00%                  | 0.00561                      | 0.050                     | 6.00%               | 1.9630                                    |
| Mount Prospect    | 45.00                              | 19.58                                           | 2.50                       | 10.55                                                              | 0.00                                  | 1.00%                             | 1.00%                                   | 0.04                           | 0.00%                  | 0.00351                      | 0.015                     | 6.00%               | 1.3520                                    |
| Palatine          | 30.00                              | 22.75                                           | 0.00                       | 60.00                                                              | 5.00                                  | 1.00%                             | 1.00%                                   | 0.00                           | 0.00%                  | 0.00427                      | 0.000                     | 6.00%               | 1.4080                                    |
| Park Ridge        | 45.00                              | 0.00                                            | 0.00                       | 52.80                                                              | 0.00                                  | 1.00%                             | 1.00%                                   | 0.04                           | 0.00%                  | 0.00558                      | 0.020                     | 6.00%               | 1.3230                                    |
| Rolling Meadows   | 30.00                              | 29.95                                           | 0.00                       | 77.88                                                              | 4.10                                  | 1.00%                             | 2.00%                                   | 0.04                           | 0.00%                  | 0.00610                      | 0.000                     | 6.00%               | 1.8700                                    |
| Schaumburg        | 0.00                               | 2.06                                            | 0.00                       | 36.00                                                              | 0.00                                  | 1.00%                             | 2.00%                                   | 0.00                           | 5.00%                  | 0.00000                      | 0.000                     | 6.00%               | 0.7100                                    |
| Wheeling          | 0.00                               | 20.04                                           | 0.00                       | 52.80                                                              | 2.00                                  | 1.00%                             | 1.00%                                   | 0.00                           | 0.00%                  | 0.00610                      | 0.050                     | 6.00%               | 1.7290                                    |

## Exhibit 4

[illegible]

736,000

1.536.000

|         |
|---------|
| 95,157  |
| 42,478  |
| 137,635 |

STORM WATER CONTROL FUND (426)  
SUF = \$6.25/Mo., use portion of 2020 maturing bonds

5-YEAR CAPITAL IMPROVEMENT PROGRAM (CIP) <---I

Exhibit 5

|                                              |  |           | 8 MO. PER. ENDING DEC. 2015 |             |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
|----------------------------------------------|--|-----------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|--|--|
|                                              |  |           | ACTUAL                      | 2016 ACTUAL | 2017 BUDGET | 2018 BUDGET | 2019 BUDGET | 2020 BUDGET | 2021 BUDGET | 2022 BUDGET | 2023 BUDGET | 2024 BUDGET | 2025 BUDGET | 2026 BUDGET | 2027 BUDGET |           |            |  |  |
| ACCOUNT DESCRIPTION                          |  |           | Pg#                         | PROJ.#      |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
| REVENUES                                     |  |           |                             |             |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
| INTEREST INCOME                              |  |           | 744                         | 7,329       | 1,500       | 21,823      | 66,892      | 48,936      | 94,966      | 54,651      | 14,514      | 1,297       | 1,513       | 1,731       | 1,949       | 317,845   |            |  |  |
| STATE GRANT                                  |  |           | 0                           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         |            |  |  |
| OTHER INCOME                                 |  |           | 0                           | 39,039      | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         |            |  |  |
| TRANSFER IN FROM EAB FUND                    |  |           | 0                           | 2,700,000   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 2,700,000  |  |  |
| TRANSFER IN FROM PUBLIC BUILDING FUND        |  |           | 500,000                     | 0           | 750,000     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 1,250,000  |  |  |
| STORM SEWER UTILITY FEE \$6.25/MO.           |  |           | 0                           | 0           | 526,000     | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000   | 1,578,000 | 16,306,000 |  |  |
| G.O. BOND PROCEEDS                           |  |           | 0                           | 0           | 0           | 10,000,000  | 0           | 15,100,000  | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 25,100,000 |  |  |
| TOTAL REVENUES                               |  |           | 500,744                     | 46,368      | 3,977,500   | 11,599,823  | 1,644,892   | 16,726,936  | 1,672,966   | 1,632,651   | 1,592,514   | 1,579,297   | 1,579,513   | 1,579,731   | 1,579,949   |           |            |  |  |
| EXPENDITURES                                 |  |           |                             |             |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
|                                              |  |           | Prj Cost                    |             |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
| Neighborhood Drainage Improvements           |  | \$300K/yr | SW-11-02                    | 0           | 376,427     | 303,980     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000   | 3,680,407  |  |  |
| Flood Study                                  |  | -         | SW-13-02                    | 10,690      | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Utility Modeling                             |  | -         | SW-13-03                    | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Sewer Backup Rebate Program                  |  | -         | SW-15-01                    | 19,218      | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Storm Water Rehab/Replacement Program        |  | \$500K/yr | SW-15-20                    | 0           | 518,115     | 981,885     | 500,000     | 500,000     | 500,000     | 500,000     | 500,000     | 500,000     | 500,000     | 500,000     | 500,000     | 500,000   | 6,500,000  |  |  |
| Arlington Knolls Storm Sewer Extension       |  | -         | SW-16-01                    | 0           | 0           | 400,000     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Municipal Campus/Downstream Detention        |  |           | 0                           | 0           | 750,000     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Expanded Overhead Sewer Program (400)        |  | \$3.6 M   |                             | 0           | 0           | 1,000,000   | 0           | 750,000     | 750,000     | 350,000     | -           | -           | -           | -           | -           | -         | 3,600,000  |  |  |
| Contract Inspection Services for OHS         |  | \$25K     |                             | 0           | 0           | 0           | 50,000      | 50,000      | 50,000      | 25,000      | -           | -           | -           | -           | -           | -         | 225,000    |  |  |
| Cypress Detention Basin                      |  | \$5.8M    |                             | 0           | 0           | 0           | 0           | 2,900,000   | 2,900,000   | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 5,800,000  |  |  |
| Area D - Green brier/Roanoke/Wilke           |  | \$3.11M   |                             | 0           | 0           | 0           | 0           | 0           | 1,600,000   | 1,510,000   | 0           | 0           | 0           | 0           | 0           | 0         | 3,110,000  |  |  |
| Area 4/Street Ponding - Campbell & Sigwalt   |  | \$2.1M    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 2,100,000   | 0           | 0           | 0           | 0           | 0           | 0         | 2,100,000  |  |  |
| Area C/NW - Burr Oak/Burning Tree            |  | \$1.637M  |                             | 0           | 0           | 0           | 0           | 0           | 1,637,000   | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 1,637,000  |  |  |
| Area C/SE - Hintz Rd west of Arl Hts Rd      |  | \$648K    |                             | 0           | 0           | 0           | 0           | 0           | 648,000     | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 648,000    |  |  |
| St. Ponding Area - Race Ave & Chicago Ave    |  | \$800K    |                             | 0           | 0           | 0           | 0           | 0           | 800,000     | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 800,000    |  |  |
| Area E - University Dr Detention Basin       |  | \$5.0M    |                             | 0           | 0           | 0           | 0           | 0           | 5,000,000   | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 5,000,000  |  |  |
| St. Ponding Area - Roosevelt & Cleveland Ave |  | \$2.0M    |                             | 0           | 0           | 0           | 0           | 0           | 2,000,000   | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 2,000,000  |  |  |
| Area A - Burr Oak & Dryden                   |  | \$2.139M  |                             | 0           | 0           | 0           | 0           | 0           | 2,139,000   | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 2,139,000  |  |  |
| Area 1 - NW Hwy & Chicago Ave*               |  | \$1.8M    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 1,800,000   | 0           | 0           | 0           | 0           | 0           | 0         | 1,800,000  |  |  |
| Area 2 - Relief Sewers                       |  | \$900K    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 900,000     | 0           | 0           | 0           | 0           | 0           | 0         | 900,000    |  |  |
| Area 3 - Relief Sewers                       |  | \$1.99M   |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Area 7 - Relief Sewers                       |  | \$392K    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Area 6 - Chestnut, Vail & Evergreen          |  | \$1.0M    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Area F - Forrest Ave                         |  | \$706K    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Area 5 - Relief Sewers                       |  | \$780K    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Area 8 - Westgate Subdivision*               |  | \$1.0M    |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| Grove Street Sewer Improvements              |  | \$2.95M   |                             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0         | 0          |  |  |
| SUBTOTAL - SEWERS                            |  |           | 29,908                      | 894,542     | 2,435,865   | 1,850,000   | 4,500,000   | 6,785,000   | 9,000,000   | 8,924,000   | 3,500,000   | 800,000     | 800,000     | 800,000     | 800,000     | 800,000   | 29,759,000 |  |  |
| OTHER EXPENSE                                |  |           |                             |             |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
| Transfer to Debt Service                     |  |           | 0                           | 0           | 0           | 736,000     | 736,000     | 736,000     | 736,000     | 736,000     | 736,000     | 736,000     | 736,000     | 736,000     | 736,000     | 736,000   |            |  |  |
| TOTAL EXPENDITURES                           |  |           | 29,908                      | 894,542     | 2,435,865   | 2,586,000   | 5,236,000   | 7,521,000   | 9,736,000   | 9,660,000   | 4,236,000   | 1,536,000   | 1,536,000   | 1,536,000   | 1,536,000   | 1,536,000 |            |  |  |
| BEGINNING FUND BALANCE                       |  |           |                             |             |             |             |             |             |             |             |             |             |             |             |             |           |            |  |  |
| REVENUES OVER (UNDER) EXPENDITURES           |  |           | 3,200,262                   | 3,671,098   | 2,822,924   | 4,364,559   | 13,378,382  | 9,787,274   | 18,993,210  | 10,930,176  | 2,902,827   | 259,341     | 302,638     | 346,151     | 389,882     | 433,831   |            |  |  |
| ENDING FUND BALANCE                          |  |           | 470,836                     | (848,174)   | 1,541,635   | 9,013,823   | (3,591,108) | 9,205,936   | (8,063,034) | (8,027,349) | (2,643,486) | 43,297      | 43,513      | 43,731      | 43,949      |           |            |  |  |
|                                              |  |           | 3,671,098                   | 2,822,924   | 4,364,559   | 13,378,382  | 9,787,274   | 18,993,210  | 10,930,176  | 2,902,827   | 259,341     | 302,638     | 346,151     | 389,882     | 433,831     |           |            |  |  |

\*Represents large sewer relief.  
2018 Bond for \$10 M covered through a portion of the Storm Sewer Utility Fee for 20 years.  
Portion of 2020 Bond for \$15.1 M covered through retiring debt. (Maintain level property tax levy for debt service)

## STORM WATER CONTROL FUND (426)

SUF = \$6.25/Mo., use all of 2020 maturing bonds

5-YEAR CAPITAL IMPROVEMENT PROGRAM (CIP) &lt;---1

Exhibit 6

8 MO. PER.

ENDING

DEC. 2015

ACTUAL

PE#

PROJ #

ACCOUNT DESCRIPTION

## REVENUES

|                                       |         |        |           |            |           |            |           |           |           |           |           |           |           |            |
|---------------------------------------|---------|--------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| INTEREST INCOME                       | 744     | 7,329  | 1,500     | 21,823     | 66,892    | 48,936     | 94,966    | 54,651    | 52,514    | 22,577    | 10,470    | 10,732    | 10,996    | 404,129    |
| STATE GRANT                           | 0       | 0      | 0         | 0          | 0         | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          |
| OTHER INCOME                          | 0       | 39,039 | 0         | 0          | 0         | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          |
| TRANSFER IN FROM EAB FUND             | 0       | 0      | 2,700,000 | 0          | 0         | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 2,700,000  |
| TRANSFER IN FROM PUBLIC BUILDING FUND | 500,000 | 0      | 750,000   | 0          | 0         | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 1,250,000  |
| STORM SEWER UTILITY FEE \$6.25/MO.    | 0       | 0      | 526,000   | 1,578,000  | 1,578,000 | 1,578,000  | 1,578,000 | 1,578,000 | 1,578,000 | 1,578,000 | 1,578,000 | 1,578,000 | 1,578,000 | 16,306,000 |
| G.O. BOND PROCEEDS                    | 0       | 0      | 0         | 10,000,000 | 0         | 15,100,000 | 0         | 7,600,000 | 0         | 0         | 0         | 0         | 0         | 32,700,000 |

## TOTAL REVENUES

500,744 46,368 3,977,500 11,599,823 1,644,892 16,726,936 1,672,966 9,232,651 1,630,514 1,600,577 1,588,470 1,588,732 1,588,996

## EXPENDITURES

Prj Cost

|                                            |           |          |        |         |           |           |           |           |           |           |         |         |         |            |  |
|--------------------------------------------|-----------|----------|--------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|------------|--|
| Neighborhood Drainage Improvements         | \$300K/yr | SW-11-02 | 0      | 376,427 | 303,980   | 300,000   | 300,000   | 300,000   | 300,000   | 300,000   | 300,000 | 300,000 | 300,000 | 3,680,407  |  |
| Flood Study                                | --        | SW-13-02 | 10,690 | 0       | 0         | 0         | 0         | 0         | 0         | 0         | 0       | 0       | 0       | 0          |  |
| Utility Modeling                           | --        | SW-13-03 | 0      | 0       | 0         | 0         | 0         | 0         | 0         | 0         | 0       | 0       | 0       | 0          |  |
| Sewer Backup Rehab Program                 | --        | SW-15-01 | 19,218 | 0       | 0         | 0         | 0         | 0         | 0         | 0         | 0       | 0       | 0       | 0          |  |
| Storm Water Rehab/Replacement Program      | \$500K/yr | SW-15-20 | 0      | 518,115 | 981,885   | 500,000   | 500,000   | 500,000   | 500,000   | 500,000   | 500,000 | 500,000 | 500,000 | 6,500,000  |  |
| Arlington Knolls Storm Sewer Extension     | --        | SW-16-01 | 0      | 0       | 400,000   | 0         | 0         | 0         | 0         | 0         | 0       | 0       | 0       | 0          |  |
| Municipal Campus/Downstream Detention      |           |          | 0      | 0       | 750,000   | 0         | 0         | 0         | 0         | 0         | 0       | 0       | 0       | 0          |  |
| Expanded Overhead Sewer Program (400)      | \$3.6 M   |          | 0      | 0       | 1,000,000 | 750,000   | 750,000   | 350,000   | -         | -         | -       | -       | -       | 3,600,000  |  |
| Contract Inspection Services for OHS       | \$225K    |          | 0      | 0       | 50,000    | 50,000    | 50,000    | 25,000    | -         | -         | -       | -       | -       | 225,000    |  |
| Cypress Detention Basin                    | \$5.8M    |          | 0      | 0       | 0         | 2,900,000 | 2,900,000 | 0         | 0         | 0         | 0       | 0       | 0       | 5,800,000  |  |
| Area D - Green brier/Roanoke/Wilke         | \$3.11M   |          | 0      | 0       | 0         | 0         | 1,600,000 | 1,510,000 | 0         | 0         | 0       | 0       | 0       | 3,110,000  |  |
| Area 4/Street Ponding - Campbell & Sigwalt | \$2.1M    |          | 0      | 0       | 0         | 0         | 0         | 2,100,000 | 0         | 0         | 0       | 0       | 0       | 2,100,000  |  |
| Area C/NW - Burr Oak/Burning Tree          | \$1.637M  |          | 0      | 0       | 0         | 0         | 1,637,000 | 0         | 0         | 0         | 0       | 0       | 0       | 1,637,000  |  |
| Area C/SE - Hintz Rd west of Arl Hts Rd    | \$648K    |          | 0      | 0       | 0         | 0         | 648,000   | 0         | 0         | 0         | 0       | 0       | 0       | 648,000    |  |
| St. Ponding Area - Race Ave & Chicago Ave  | \$800K    |          | 0      | 0       | 0         | 0         | 0         | 800,000   | 0         | 0         | 0       | 0       | 0       | 800,000    |  |
| Area E - University Dr Detention Basin     | \$5.0M    |          | 0      | 0       | 0         | 0         | 0         | 5,000,000 | 0         | 0         | 0       | 0       | 0       | 5,000,000  |  |
| Area 1 - NW Hwy & Chicago Ave*             | \$2.0M    |          | 0      | 0       | 0         | 0         | 0         | 2,000,000 | 0         | 0         | 0       | 0       | 0       | 2,000,000  |  |
| Area A - Burr Oak & Dryden                 | \$2.139M  |          | 0      | 0       | 0         | 0         | 0         | 2,139,000 | 0         | 0         | 0       | 0       | 0       | 2,139,000  |  |
| Area 2 - Relief Sewers                     | \$1.8M    |          | 0      | 0       | 0         | 0         | 0         | 1,800,000 | 0         | 0         | 0       | 0       | 0       | 1,800,000  |  |
| Area 3 - Relief Sewers                     | \$900K    |          | 0      | 0       | 0         | 0         | 0         | 900,000   | 0         | 0         | 0       | 0       | 0       | 900,000    |  |
| Area 7 - Relief Sewers                     | \$1.99M   |          | 0      | 0       | 0         | 0         | 0         | 1,990,000 | 0         | 0         | 0       | 0       | 0       | 1,990,000  |  |
| Area 6 - Chestnut, Vail & Evergreen        | \$992K    |          | 0      | 0       | 0         | 0         | 0         | 392,000   | 0         | 0         | 0       | 0       | 0       | 392,000    |  |
| Area F - Forrest Ave                       | \$1.0M    |          | 0      | 0       | 0         | 0         | 0         | 1,000,000 | 0         | 0         | 0       | 0       | 0       | 1,000,000  |  |
| Area 5 - Relief Sewers                     | \$708K    |          | 0      | 0       | 0         | 0         | 0         | 0         | 706,000   | 0         | 0       | 0       | 0       | 706,000    |  |
| Area 8 - Westgate Subdivision*             | \$780K    |          | 0      | 0       | 0         | 0         | 0         | 0         | 780,000   | 0         | 0       | 0       | 0       | 780,000    |  |
| Grove Street Sewer Improvements            | \$1.0M    |          | 0      | 0       | 0         | 0         | 0         | 0         | 1,000,000 | 0         | 0       | 0       | 0       | 1,000,000  |  |
| SUBTOTAL - SEWERS                          | \$2.95M   |          | 0      | 0       | 0         | 0         | 0         | 0         | 0         | 0         | 0       | 0       | 0       | 2,950,000  |  |
|                                            |           |          | 29,908 | 894,542 | 2,435,865 | 1,850,000 | 4,500,000 | 6,785,000 | 8,924,000 | 3,286,000 | 800,000 | 800,000 | 800,000 | 49,937,315 |  |

## OTHER EXPENSE

Transfer to Debt Service

## TOTAL EXPENDITURES

0 0 0 736,000 736,000 736,000 736,000 736,000 736,000 736,000 736,000 736,000 736,000 736,000

## BEGINNING FUND BALANCE

## REVENUES OVER (UNDER) EXPENDITURES

## ENDING FUND BALANCE

|           |           |           |            |             |            |             |            |             |             |           |           |             |             |
|-----------|-----------|-----------|------------|-------------|------------|-------------|------------|-------------|-------------|-----------|-----------|-------------|-------------|
| 3,200,262 | 3,671,098 | 2,822,924 | 4,364,559  | 13,378,382  | 9,787,274  | 18,993,210  | 10,930,176 | 10,502,827  | 4,515,341   | 2,093,918 | 2,146,387 | 2,199,119   | 2,199,119   |
| 470,836   | (848,174) | 1,541,635 | 9,013,823  | (3,591,108) | 9,205,936  | (8,063,034) | (427,349)  | (5,987,486) | (2,421,423) | 52,470    | 52,732    | (2,897,004) | (2,897,004) |
| 3,671,098 | 2,822,924 | 4,364,559 | 13,378,382 | 9,787,274   | 18,993,210 | 10,930,176  | 10,502,827 | 4,515,341   | 2,093,918   | 2,146,387 | 2,199,119 | (697,885)   | (697,885)   |

\*Represents large sewer relief.

2018 Bond for \$10 M covered through a portion of the Storm Sewer Utility Fee for 20 years.

All of 2020 Bonds spread over \$15.1 M and \$7.6 M covered through retiring debt totaling \$22.7 M. (Maintain level property tax levy for debt service)

## STORM WATER CONTROL FUND (426)

## SUF = \$5.75/Mo., lower 2018 bond issue, use all of 2020 maturing bonds

5-YEAR CAPITAL IMPROVEMENT PROGRAM (CIP) &lt;---1

Exhibit 7

|                                              |        | 8 MO. PER.<br>ENDING<br>DEC. 2015 |           | 2016      | 2017       | 2018       | 2019        | 2020       | 2021        | 2022      | 2023        | 2024        | 2025      | 2026      | 2027       |
|----------------------------------------------|--------|-----------------------------------|-----------|-----------|------------|------------|-------------|------------|-------------|-----------|-------------|-------------|-----------|-----------|------------|
| Pe#                                          | PROJ # | ACTUAL                            | ACTUAL    | BUDGET    | BUDGET     | BUDGET     | BUDGET      | BUDGET     | BUDGET      | BUDGET    | BUDGET      | BUDGET      | BUDGET    | BUDGET    | BUDGET     |
| ACCOUNT DESCRIPTION                          |        |                                   |           |           |            |            |             |            |             |           |             |             |           |           |            |
| REVENUES                                     |        |                                   |           |           |            |            |             |            |             |           |             |             |           |           |            |
| INTEREST INCOME                              |        | 744                               | 7,329     | 1,500     | 21,823     | 59,778     | 41,673      | 87,552     | 47,086      | 44,797    | 14,707      | 2,447       | 2,555     | 2,664     | 334,655    |
| STATE GRANT                                  |        | 0                                 | 0         | 0         | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| OTHER INCOME                                 |        | 0                                 | 39,039    | 0         | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| TRANSFER IN FROM EAB FUND                    |        | 0                                 | 2,700,000 | 0         | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 2,700,000  |
| TRANSFER IN FROM PUBLIC BUILDING FUND        |        | 500,000                           | 0         | 750,000   | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 1,250,000  |
| STORM SEWER UTILITY FEE \$5.75/MO.           |        | 0                                 | 0         | 526,000   | 1,452,200  | 1,452,200  | 1,452,200   | 1,452,200  | 1,452,200   | 1,452,200 | 1,452,200   | 1,452,200   | 1,452,200 | 1,452,200 | 15,048,000 |
| G.O. BOND PROCEEDS                           |        | 0                                 | 0         | 0         | 8,600,000  | 0          | 15,100,000  | 0          | 7,600,000   | 0         | 0           | 0           | 0         | 0         | 31,300,000 |
| TOTAL REVENUES                               |        | 500,744                           | 46,368    | 3,977,500 | 10,074,023 | 15,111,978 | 16,593,873  | 15,539,752 | 9,099,286   | 1,496,997 | 1,466,907   | 1,454,647   | 1,454,755 | 1,454,864 |            |
| EXPENDITURES                                 |        |                                   |           |           |            |            |             |            |             |           |             |             |           |           |            |
|                                              |        | Pri                               | Cost      |           |            |            |             |            |             |           |             |             |           |           |            |
| Neighborhood Drainage Improvements           |        | \$300K/yr                         | SW-11-02  | 0         | 376,427    | 303,980    | 300,000     | 300,000    | 300,000     | 300,000   | 300,000     | 300,000     | 300,000   | 300,000   | 3,580,407  |
| Flood Study                                  |        | --                                | SW-13-02  | 10,690    | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| Utility Modeling                             |        | --                                | SW-13-03  | 0         | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| Sewer Backup Rebate Program                  |        | --                                | SW-15-01  | 19,218    | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| Storm Water Rehab/Replacement Program        |        | \$500K/yr                         | SW-15-20  | 0         | 518,115    | 981,885    | 500,000     | 500,000    | 500,000     | 500,000   | 500,000     | 500,000     | 500,000   | 500,000   | 6,500,000  |
| Arlington Knolls Storm Sewer Extension       |        | --                                | SW-16-01  | 0         | 0          | 400,000    | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| Municipal Campus/Downstream Detention        |        |                                   |           | 0         | 750,000    | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 0          |
| Expanded Overhead Sewer Program (400)        |        | \$3.6 M                           |           | 0         | 0          | 1,000,000  | 750,000     | 750,000    | 350,000     | -         | -           | -           | -         | -         | 3,600,000  |
| Contract Inspection Services for OHS         |        | \$225K                            |           | 0         | 0          | 50,000     | 50,000      | 50,000     | 25,000      | -         | -           | -           | -         | -         | 225,000    |
| Cypress Detention Basin                      |        | \$5.8M                            |           | 0         | 0          | 0          | 2,900,000   | 2,900,000  | 0           | 0         | 0           | 0           | 0         | 0         | 5,800,000  |
| Area D - Green brier/Roanoke/Wilke           |        | \$3.11M                           |           | 0         | 0          | 0          | 0           | 1,600,000  | 1,510,000   | 0         | 0           | 0           | 0         | 0         | 3,110,000  |
| Area 4/Street Ponding - Campbell & Sigwalt   |        | \$2.1M                            |           | 0         | 0          | 0          | 0           | 0          | 2,100,000   | 0         | 0           | 0           | 0         | 0         | 2,100,000  |
| Area C/NW - Burr Oak/Burning Tree            |        | \$1.637M                          |           | 0         | 0          | 0          | 0           | 1,637,000  | 0           | 0         | 0           | 0           | 0         | 0         | 1,637,000  |
| Area C/SE - Hintz Rd west of Art Hts Rd      |        | \$488K                            |           | 0         | 0          | 0          | 0           | 648,000    | 0           | 0         | 0           | 0           | 0         | 0         | 648,000    |
| St. Ponding Area - Race Ave & Chicago Ave    |        | \$800K                            |           | 0         | 0          | 0          | 0           | 800,000    | 0           | 0         | 0           | 0           | 0         | 0         | 800,000    |
| Area E - University Dr Detention Basin       |        | \$5.0M                            |           | 0         | 0          | 0          | 0           | 5,000,000  | 0           | 0         | 0           | 0           | 0         | 0         | 5,000,000  |
| St. Ponding Area - Roosevelt & Cleveland Ave |        | \$2.0M                            |           | 0         | 0          | 0          | 0           | 2,000,000  | 0           | 0         | 0           | 0           | 0         | 0         | 2,000,000  |
| Area A - Burr Oak & Dryden                   |        | \$2.139M                          |           | 0         | 0          | 0          | 0           | 2,139,000  | 0           | 0         | 0           | 0           | 0         | 0         | 2,139,000  |
| Area 1 - NW Hwy & Chicago Ave*               |        | \$1.8M                            |           | 0         | 0          | 0          | 0           | 1,800,000  | 0           | 0         | 0           | 0           | 0         | 0         | 1,800,000  |
| Area 2 - Relief Sewers                       |        | \$900K                            |           | 0         | 0          | 0          | 0           | 900,000    | 0           | 0         | 0           | 0           | 0         | 0         | 900,000    |
| Area 3 - Relief Sewers                       |        | \$1.99M                           |           | 0         | 0          | 0          | 0           | 1,990,000  | 0           | 0         | 0           | 0           | 0         | 0         | 1,990,000  |
| Area 7 - Relief Sewers                       |        | \$392K                            |           | 0         | 0          | 0          | 0           | 392,000    | 0           | 0         | 0           | 0           | 0         | 0         | 392,000    |
| Area 6 - Chestnut, Vail & Evergreen          |        | \$1.0M                            |           | 0         | 0          | 0          | 0           | 1,000,000  | 0           | 0         | 0           | 0           | 0         | 0         | 1,000,000  |
| Area F - Forrest Ave                         |        | \$706K                            |           | 0         | 0          | 0          | 0           | 0          | 706,000     | 0         | 0           | 0           | 0         | 0         | 706,000    |
| Area 5 - Relief Sewers                       |        | \$780K                            |           | 0         | 0          | 0          | 0           | 0          | 780,000     | 0         | 0           | 0           | 0         | 0         | 780,000    |
| Area 8 - Westgate Subdivision*               |        | \$1.0M                            |           | 0         | 0          | 0          | 0           | 0          | 1,000,000   | 0         | 0           | 0           | 0         | 0         | 1,000,000  |
| Grove Street Sewer Improvements              |        | \$2.95M                           |           | 0         | 0          | 0          | 0           | 0          | 0           | 0         | 0           | 0           | 0         | 0         | 2,950,000  |
| SUBTOTAL - SEWERS                            |        |                                   | 29,908    | 894,542   | 2,435,865  | 1,850,000  | 4,500,000   | 6,785,000  | 8,924,000   | 6,882,000 | 3,286,000   | 800,000     | 800,000   | 800,000   | 46,987,315 |
| OTHER EXPENSE                                |        |                                   |           |           |            |            |             |            |             |           |             |             |           |           | 0          |
| Transfer to Debt Service                     |        |                                   | 0         | 0         | 0          | 633,000    | 633,000     | 633,000    | 633,000     | 633,000   | 633,000     | 633,000     | 633,000   | 633,000   | 633,000    |
| TOTAL EXPENDITURES                           |        |                                   | 29,908    | 894,542   | 2,435,865  | 2,483,000  | 5,133,000   | 7,418,000  | 9,633,000   | 9,557,000 | 7,515,000   | 3,919,000   | 1,433,000 | 1,433,000 | 1,433,000  |
| BEGINNING FUND BALANCE                       |        |                                   | 3,200,262 | 3,671,098 | 2,822,924  | 4,364,559  | 11,955,582  | 8,334,560  | 17,510,433  | 9,417,185 | 8,959,471   | 2,941,468   | 489,375   | 511,022   | 532,777    |
| REVENUES OVER (UNDER) EXPENDITURES           |        |                                   | 470,836   | (848,174) | 1,541,635  | 7,591,023  | (3,621,022) | 9,175,873  | (8,093,248) | (457,714) | (6,018,003) | (2,452,093) | 21,647    | 21,755    | 21,864     |
| ENDING FUND BALANCE                          |        |                                   | 3,671,098 | 2,822,924 | 4,364,559  | 11,955,582 | 8,334,560   | 17,510,433 | 9,417,185   | 8,959,471 | 2,941,468   | 489,375     | 511,022   | 532,777   | 554,641    |

\*Represents large sewer relief.

2018 Bond for \$8.6 M covered through a portion of the Storm Sewer Utility Fee for 20 years.

All of 2020 Bonds spread over \$15.1 M and \$7.6 M covered through retiring debt totaling \$22.7 M. (Maintain level property tax levy for debt service)

## STORM WATER CONTROL FUND (426)

## SUF = \$5.25/Mo., lower 2018 bond issue, use all of 2020 maturing bonds

5-YEAR CAPITAL IMPROVEMENT PROGRAM (CIP) &lt;--1

Exhibit 8

|              |                                                  | 8 MO. PER.<br>ENDING<br>DEC. 2015 | 2016<br>ACTUAL | 2017<br>BUDGET | 2018<br>BUDGET | 2019<br>BUDGET | 2020<br>BUDGET | 2021<br>BUDGET | 2022<br>BUDGET | 2023<br>BUDGET | 2024<br>BUDGET | 2025<br>BUDGET | 2026<br>BUDGET | 2027<br>BUDGET |
|--------------|--------------------------------------------------|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| PG#          | ACCOUNT DESCRIPTION                              | PROJ #                            | ACTUAL         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         | BUDGET         |
| REVENUES     |                                                  |                                   |                |                |                |                |                |                |                |                |                |                |                |                |
|              | INTEREST INCOME                                  |                                   | 744            | 7,329          | 1,500          | 21,823         | 51,272         | 33,118         | 78,949         | 38,434         | 5,956          | 2,546          | 2,649          | 2,752          |
|              | STATE GRANT                                      |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | OTHER INCOME                                     |                                   | 0              | 39,039         | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | TRANSFER IN FROM EAB FUND                        |                                   | 0              | 0              | 2,700,000      | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | TRANSFER IN FROM PUBLIC BUILDING FUND            |                                   | 500,000        | 0              | 750,000        | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | STORM SEWER UTILITY FEE \$5.25/MO.               |                                   | 0              | 0              | 526,000        | 1,326,000      | 1,326,000      | 1,326,000      | 1,326,000      | 1,326,000      | 1,326,000      | 1,326,000      | 1,326,000      | 1,326,000      |
|              | G.O. BOND PROCEEDS                               |                                   | 0              | 0              | 0              | 6,900,000      | 0              | 15,100,000     | 0              | 7,600,000      | 0              | 0              | 0              | 0              |
|              | TOTAL REVENUES                                   |                                   | 500,744        | 46,368         | 3,977,500      | 8,247,823      | 1,377,272      | 16,459,118     | 1,404,949      | 8,964,434      | 1,331,956      | 1,328,546      | 1,328,649      | 1,328,752      |
| EXPENDITURES |                                                  |                                   |                |                |                |                |                |                |                |                |                |                |                |                |
|              | Neighborhood Drainage Improvements               | SW-11-02                          | 0              | 376,427        | 303,980        | 300,000        | 300,000        | 300,000        | 300,000        | 300,000        | 300,000        | 300,000        | 300,000        | 300,000        |
|              | Flood Study                                      | SW-13-02                          | 10,690         | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Utility Modeling                                 | SW-13-03                          | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Sewer Backup Rebate Program                      | SW-15-01                          | 19,218         | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Storm Water Rehab/Replacement Program            | SW-15-20                          | 0              | 518,115        | 981,885        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        | 500,000        |
|              | Arlington Knolls Storm Sewer Extension           | SW-16-01                          | 0              | 0              | 400,000        | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Municipal Campus/Downstream Detention            |                                   | 0              | 0              | 750,000        | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Expanded Overhead Sewer Program (400)            |                                   | 0              | 0              | 0              | 1,000,000      | 750,000        | 750,000        | 350,000        | -              | -              | -              | -              | -              |
|              | Contract Inspection Services for OHS             |                                   | 0              | 0              | 0              | 50,000         | 50,000         | 50,000         | 25,000         | -              | -              | -              | -              | -              |
|              | Cypress Detention Basin                          |                                   | 0              | 0              | 0              | 0              | 2,900,000      | 2,900,000      | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Area D - Green brier/Roanoke/Wilke               |                                   | 0              | 0              | 0              | 0              | 0              | 1,600,000      | 1,510,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area 4/Street Ponding - Campbell & Sigwalt       |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 2,100,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area C/NW - Burr Oak/Burning Tree                |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Area C/JSE - Hintz Rd west of Arl Hts Rd         |                                   | 0              | 0              | 0              | 0              | 0              | 1,637,000      | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Area C/SE - Race Ave & Chicago Ave               |                                   | 0              | 0              | 0              | 0              | 0              | 648,000        | 0              | 0              | 0              | 0              | 0              | 0              |
|              | St. Ponding Area - University Dr Detention Basin |                                   | 0              | 0              | 0              | 0              | 0              | 800,000        | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Area E - University Dr Detention Basin           |                                   | 0              | 0              | 0              | 0              | 0              | 5,000,000      | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Area A - Burr Oak & Dryden                       |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 2,000,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area A - Burr Oak & Cleveland Ave                |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 2,139,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area 1 - NW Hwy & Chicago Ave*                   |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 1,800,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area 2 - Relief Sewers                           |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 900,000        | 0              | 0              | 0              | 0              | 0              |
|              | Area 3 - Relief Sewers                           |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 1,990,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area 7 - Relief Sewers                           |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 392,000        | 0              | 0              | 0              | 0              | 0              |
|              | Area 6 - Chestnut, Vail & Evergreen              |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 1,000,000      | 0              | 0              | 0              | 0              | 0              |
|              | Area F - Forrest Ave                             |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 706,000        | 0              | 0              | 0              |
|              | Area 5 - Relief Sewers                           |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Area 8 - Westgate Subdivision*                   |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | Grove Street Sewer Improvements                  |                                   | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              |
|              | SUBTOTAL - SEWERS                                |                                   | 29,908         | 894,542        | 2,435,865      | 1,850,000      | 4,500,000      | 6,785,000      | 8,924,000      | 6,882,000      | 1,506,000      | 800,000        | 800,000        | 800,000        |
|              | OTHER EXPENSE                                    |                                   |                |                |                |                |                |                |                |                |                |                |                |                |
|              | Transfer to Debt Service                         |                                   | 0              | 0              | 0              | 508,000        | 508,000        | 508,000        | 508,000        | 508,000        | 508,000        | 508,000        | 508,000        | 508,000        |
|              | TOTAL EXPENDITURES                               |                                   | 29,908         | 894,542        | 2,435,865      | 2,358,000      | 5,008,000      | 7,293,000      | 9,432,000      | 7,390,000      | 2,014,000      | 1,308,000      | 1,308,000      | 1,308,000      |
|              | BEGINNING FUND BALANCE                           |                                   | 3,200,262      | 3,671,098      | 2,822,924      | 4,364,559      | 10,254,382     | 6,623,654      | 15,789,772     | 7,219,154      | 1,191,250      | 509,206        | 529,752        | 550,401        |
|              | REVENUES OVER (UNDER) EXPENDITURES               |                                   | 470,836        | (848,174)      | 1,541,635      | 5,889,823      | (3,630,728)    | 9,166,118      | (8,103,051)    | (6,027,904)    | (682,044)      | 20,546         | 20,649         | 20,752         |
|              | ENDING FUND BALANCE                              |                                   | 3,671,098      | 2,822,924      | 4,364,559      | 10,254,382     | 6,623,654      | 15,789,772     | 7,686,721      | 1,191,250      | 509,206        | 529,752        | 550,401        | 571,153        |

\*Represents large sewer relief.

2018 Bond for \$6.9 M covered through a portion of the Storm Sewer Utility Fee for 20 years.

All of 2020 Bonds spread over \$15.1 M and \$7.6 M covered through retiring debt totaling \$22.7 M. (Maintain level property tax levy for debt service)