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Chairperson
Trustee Al Paveza
Trustee Tony Schiappa
Nancy Montelbano
Alice Krampits
David Allen
Vacant
Trustee Zach Mottl,
Acting Village President
Doug Pollock
David Preissig

AGENDA

STORMWATER COMMITTEE

Thursday, February 21, 2019

7:00 p.m.

**Public Works Conference Room
451 Commerce Street**

- 1) **CALL TO ORDER**
- 2) **ROLL CALL**
- 3) **APPROVAL OF NOVEMBER 13, 2018 MINUTES**
- 4) **UPDATE REGARDING PROPOSAL TO DEVELOP 7950 DREW AVENUE**
- 5) **DISCUSSION REGARDING DUPAGE COUNTY STORMWATER
MANAGEMENT PLANNING COMMITTEE PUBLIC MEETING OF TUESDAY,
FEBRUARY 5, 2019**
- 6) **PRESENTATION OF THE DRAFT FY 2019-20 STORMWATER MANAGEMENT
FUND BUDGET**
- 7) **AUDIENCE DISCUSSION**
- 8) **ADJOURNMENT**



M E M O

To: Chairperson Guy Franzese
Members of the Village of Burr Ridge Stormwater Committee

From: David Preissig, P.E., Director of Public Works & Village Engineer

Date: February 12, 2019

Subject: Agenda Summary for Stormwater Committee Meeting on February 21, 2019

1) CALL TO ORDER

2) ROLL CALL

3) APPROVAL OF MINUTES FROM THE NOVEMBER 13, 2018 STORMWATER COMMITTEE MEETING

Please see attached minutes for consideration [*Attachment A*].

4) DISCUSSION REGARDING PROPOSAL TO DEVELOP 7950 DREW AVENUE

The PUD under design at 7950 Drew Avenue is known as “The Cottages on Drew”. This development is proposed on the south portion of an 8.87 acre parcel at the southwest corner of 79th Street and Drew Avenue. The first submittal for final plat and engineering plan review was provided in November 2018. Concurrent submittal was made to the DuPage County Stormwater Management Division.

The petitioner is proposing a development of eight single-family homes of approximately 2,200 square feet each, and is proposing drainage improvements within the subdivision to help alleviate storage and drainage issues in this area as their public benefit. The petitioner is proposing to provide its public benefit by retaining an additional 20% above the required stormwater detention, which will be shown in a subsequent submittal and stormwater management report.

The first review generated a significant number of comments. DuPage County specifically requested a reduction in the scale of the development and/or rearrangement of the proposed facilities. Coordination with the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and FEMA will be required. Village and County both required that subsequent submittals provide better documentation of wetland buffer impact for all areas of impacts,

including the proposed compensatory storage area and all graded or disturbed areas. The 2017 updated floodway limits and delineated floodplain boundaries must be shown, which will also require a map revision with the encroachment of the proposed development (LOMR-F). Proposed water main to be provided and the Village request to remove this water main from the floodplain, will impact the compensatory storage area; therefore, revisions to the plan and stormwater report will be substantial.

The violation of wetland filling and wetland buffer disturbance described to the Committee at the November meeting, will be addressed as a separate stormwater permit which requires removal of fill material and restoration with wetland plants. The required three-year guarantee for performance standards of planted materials would conflict with the pending PUD development, but can be mitigated again at the time of subdivision construction.

5) DISCUSSION REGARDING DUPAGE COUNTY STORMWATER MANAGEMENT PLANNING COMMITTEE PUBLIC MEETING OF TUESDAY, FEBRUARY 6, 2018

The Village partners with DuPage County at a minimum level of County involvement to comply with National Pollutant Discharge Elimination System (NPDES) General Stormwater Permit requirements in the Illinois EPA ILR40 Storm Water Permit for Small Municipal Separate Storm Sewer Systems (MS4's). One of the six minimum control measures outlined in the ILR40 Storm Water Permit is public involvement and participation, which includes at least one public meeting.

In accordance with this requirement, DuPage County Stormwater Management hosted a public meeting to provide input on the adequacy of the countywide MS4 Program. By the IGA executed with the Village in October 2017, the County meeting also meets the Village permitting requirements. The meeting was held during the regularly scheduled Stormwater Management Planning Committee meeting on February 5th, 2019 at 7:30 a.m. in the DuPage County Board Room. Notice was published in the Daily Herald, and the Village included notices on its webpage and social media.

The meeting was sparsely attended but included a speaker from SCARCE. [*Please see Attachment B - DuPage County Water Quality Program Presentation & Minutes*].

6) PRESENTATION OF THE DRAFT FY 2019-20 STORMWATER BUDGET

Expenditures from the Stormwater Management Fund in the current fiscal year exceed the estimated FY18-19 revenues. This is a result of the large project to replace the storm sewer outfall at Deer Path Trail. A transfer from the General Fund surplus will be recorded at a later date to show a positive balance.

Proposed expenditures from the Stormwater Management Fund this coming fiscal year require a transfer from the General Fund. Expenses include joining the DuPage River Salt Creek Work Group (DRSCWG) or Lower Des Plaines River Working Group (LDWG) to achieve the necessary Chloride Variance (\$6,900), sharing with private property owners in the cost of



ravine stabilization at Oak Hill Ct/94th St (\$12,000), and preliminary engineering for replacing the Elm Street corrugated metal pipe culvert (\$35,000).

The proposed FY 2019-20 Stormwater Management Fund Budget is attached for review and discussion [*please see Attachment C*].

ATTACHMENTS

A: Minutes, Stormwater Management Committee Meeting, November 14, 2016

B: DuPage County Water Quality Program Presentation & Minutes

C: Storm Water Management Fund Summary of Financial Operations

Next meeting: May 14, 2019, 7:00 p.m., at Public Works Building



MINUTES
STORMWATER MANAGEMENT COMMITTEE
REGULAR MEETING

November 13, 2018

CALL TO ORDER

Chairperson Guy Franzese called the meeting to order at 7:00 p.m.

Trustee Paveza opened the meeting by announcing the resignation of Mayor Mickey Straub, which will be effective on November 19th.

ROLL CALL

Present: Chairperson Guy Franzese, Trustee Al Paveza, Trustee Tony Schiappa, Nancy Montelbano, Alice Krampits, and Dave Allen.

Also Present: Village Administrator Doug Pollock, Public Works Director/Village Engineer David Preissig.

APPROVAL OF MAY 08, 2018 MINUTES

A **motion** was made by Trustee Paveza to approve the minutes of the May 08, 2018 meeting. The motion was **seconded** by Committee Person Allen and **approved** by a vote of 6-0.

DISCUSSION REGARDING PROPOSAL TO DEVELOP 7950 DREW AVENUE

Mr. Preissig reviewed the status of the development that had received a Plan Commission recommendation and Village Board approval for a variance and special use regarding a Planned Unit Development at the southwest corner of 79th Street and Drew Avenue. He stated that the Committee had previously seen this P.U.D. design for eight units, which was provided in the summaries for the August packet. Mr. Preissig shared that Village staff had anticipated sharing more information after a pre-application meeting with DuPage County stormwater Management. However, this meeting that had been scheduled for November 6, 2018, was cancelled and therefore, no new information is available at this time. Plans for the development, which were recently received on November 7, 2018, were available at this meeting; however, these have not yet been reviewed by Village staff.

Mr. Preissig also stated that during the recent delineation of wetlands on the subject parcel, a violation of wetland and wetland buffer disturbance was recorded. It appears this was an encroachment from a neighbor to the west; however, Village staff must issue a citation to the property owner on which the disturbance was observed. As part of the notice, within the next 12 months, the property owner will be required to obtain a separate stormwater permit with plans to remove the material, provide elevations around the existing floodplain, restore the area with wetland plants, and provide a three-year guarantee for planted materials.

Pictures of the encroachment and disturbance were presented to the Committee. Chairperson Franzese stated that this violation causes an additional, unexpected expense to the property, and he supports Village staff in sending the notice.

STATUS OF COUNTY LINE ROAD AT DEER PATH TRAIL STORM SEWER REPLACEMENT PROJECT

Mr. Preissig reviewed the status of this project, beginning with a contract for the work having been awarded to Unique Plumbing Company Inc., of Brookfield, Illinois, in the amount of \$286,817.08. This project constructs a reinforced concrete storm sewer between the ponds at Deer Path Trail and its outfall near Hidden Lake Drive, to replace the pipe that failed in October 2017. Construction for the project began on September 4, 2018, and is now substantially completed.

Mr. Preissig informed the Committee that as part of this project, the outlet control structure is accessible for maintenance, and it is designed to lower both normal and high-water levels which will alleviate roadway flooding and increase stormwater detention storage.

Pictures of the construction project were presented to the Committee. Landscaping restoration was currently in-progress.

UPDATE ON DRAFT STUDY OF CULVERT PIPE AT KATHERINE LEGGE MEMORIAL PARK

Mr. Preissig shared an update on the draft study for potential safety measures at the culvert pipe originating in the Katherine Legge Memorial Park. As discussed at the May 2018 Committee meeting, the Villages of Hinsdale and Burr Ridge share maintenance responsibilities for this pipe and have improved the safety at its origin

within the park. Hinsdale installed a wooden fence and enclosed the upstream end. Pictures of the fence and its warning signs were presented to the Committee.

The firm of Hampton, Lenzini and Renwick Inc., of Woodridge, Illinois, which was selected by Burr Ridge to analyze the grate and channel, prepared a draft report. The preferred alternatives would widen the channel and reduce the flow velocity to a level at which a person might remain stable in the stream. Representatives from Hinsdale and Burr Ridge met at the site with the consultant on Friday, July 6, 2018, to review these concepts and analyses. Following this meeting, refinement of the analyses was requested. The revised, draft report was presented to the Committee. Trustee Schiappa noted that the channel's flow needs to be funneled into the existing culvert pipe regardless of any channel improvements.

Mr. Preissig summarized that the new fence restricts access around the upstream end and should prevent most encroachment into this area; therefore, channel modifications proposed in the study may not be necessary. It is the opinion of the risk management attorney for both Hinsdale and Burr Ridge that the wood fence shows a sufficient response addressing the initial safety concern from October 2017, and renews a tort immunity status. The Village of Hinsdale is considering its options within KLM Park and if further improvements to the channel would be included in a future budget. The December 10th Village Board meeting agenda will include an item to receive and file the final report prepared by the consultant.

UPDATE ON REVISED FLOOD PLAIN MAPPING IN DUPAGE COUNTY

Mr. Preissig shared an update regarding the recent Special Flood Hazard Area (SFHA) and floodway delineation within the limits of the Village of Burr Ridge, as revised in all of the Flood Insurance Rate Maps (FIRM) for DuPage County.

The Village provided comments and pointed out significant discrepancies to the Federal Emergency Management Agency (FEMA) regarding these maps in March 2018 and May 2018, which were acknowledged by FEMA. FEMA will issue a Letter of Final Determination (LFD), which is now expected in February 1, 2019, with an effective date of August 1, 2019. Mr. Preissig advised that a Village ordinance would be on a Board agenda after the LFD is received but prior to the effective date.

STATUS OF STORMWATER STORAGE FACILITY EVALUATION AND ALLOCATION OF STORMWATER MANAGEMENT FUNDS FOR MAINTENANCE

As introduced in the last committee meeting, one of the strategic goals of the Village Board is to provide a mechanism that ensures maintenance of stormwater storage facilities. Mr. Preissig shared that this past summer, the engineering intern combed through the 2013 inventory, the Village's existing geographic information system (GIS), as well as all the scanned as-built subdivision plans to ensure a thorough database on which to evaluate and rank all facilities. The database now contains 109 retention ponds (wet-bottom) and 87 detention ponds (dry-bottom), for a total of 196 facilities, which is an increase of 100% over the previous inventory showing 99 basins. This endeavor took the entire time allotted this summer; therefore, the next step in the process to specify evaluation criteria was not yet started.

A sample text from a subdivision plat of survey was shown to the Committee as an example of legal difficulties in determining maintenance responsibility. Village staff and the Village attorney will be reviewing such language and may need to recommend amendments to the Municipal Code or Subdivision Code.

Mr. Preissig also brought attention to the allocation of stormwater management funds for maintenance. He mentioned that Village staff is considering options for how the Village could help to fund the maintenance of stormwater detention/retention basins and private stormwater infrastructure. A presentation of the DuPage County Water Quality Improvement Grant program was shown to the Committee. Chairperson Franzese suggested that HOAs in DuPage County be made aware of this grant opportunity in the future.

PRESENTATION OF PUBLIC WORKS DEPARTMENT SNOW SEASON CHLORIDE-REDUCING OPERATIONS AND ENVIRONMENTAL BENEFITS

Public Works Director Preissig introduced the topic of anti-icing as a new tool that is now available to the Burr Ridge Public Works Department. Mr. Stephen McCracken, Director of Watershed Protection for The Conservation Foundation/DuPage River Salt Creek Workgroup provided a thorough presentation on the topic, "Anti-Icing – Part of a Sensible Salt Diet!".

Public Works Director Preissig followed with an overview of how anti-icing is anticipated to be utilized for the first time this winter season. He shared that Unit 30 (which was on display following the meeting) is the Department's new anti-icing truck and a multi-use workhorse that also functions as a chipper truck and watering truck. This unit was recently highlighted at a truck equipment expo in Schaumburg.

Chairperson Franzese stated that the Village should utilize E-briefs, Burr Ridge Briefs, and other communication to let residents know what anti-icing equipment and road treatment looks like and how it is a benefit to the community.

CONSIDERATION OF CY 2019 COMMITTEE MEETING DATES

A **motion** was made by Committee Person Krampits to approve the calendar year 2019 Committee Meeting dates as proposed. The motion was **seconded** by Committee Person Montelbano and **approved** by a vote of 6-0.

AUDIENCE DISCUSSION

There was no audience discussion.

ADJOURNMENT

There being no further business, a **motion** was made by Trustee Paveza to adjourn the meeting. The motion was **seconded** by Committee Person Krampits and **approved** by a vote of 6-0. The meeting was adjourned at 7:45 p.m., and the Committee members visited the Public Works garage to view the Department's anti-icing truck.

Respectively submitted,

David Preissig, P.E.
Director of Public Works/Village Engineer



DUPAGECOUNTY

STORMWATER MANAGEMENT

DuPage County's Water Quality Program



EPA Requirement



IEPA Permit No. ILR40

For Discharges of Stormwater from Municipal Separate Storm Sewers (MS4s)

“Provide a minimum of one public meeting annually for the public to provide input as to the adequacy of the permittee’s MS4 program. This requirement may be met in conjunction with or as part of a regular council or board meeting”;



DUPAGECOUNTY



STORMWATER MANAGEMENT

Water Quality Program



IEPA Permit No. ILR40

For Discharges of Stormwater from Municipal Separate Storm Sewers (MS4s)

Program Development

- Created Under ACT Initiative
- Ad-Hoc Committee formed with municipal staff from each County Board District
- Estimated annual savings of \$6 million

Program Components

- Education/ outreach
- Public participation
- IDDE
- Construction site controls
- New development practices
- Pollution prevention in municipal operations
- Stream monitoring
- Annual Reporting

Water Quality Program



ILR40 Permit Partners

First program of its kind in the State of Illinois reduces redundancies, minimizes cost and reporting burden for all 42 partner agencies

Village of Addison
Village of Bartlett
Village of Bensenville
Village of Bloomingdale
Village of Burr Ridge
Village of Carol Stream
Village of Clarendon Hills
City of Darien
Village of Downers Grove
City of Elmhurst
Village of Glendale Heights
Village of Glen Ellyn
Village of Hanover Park
Village of Hinsdale
Village of Itasca
Village of Lemont

Village of Lisle
Village of Lombard
City of Naperville
Village of Oak Brook
City of Oakbrook Terrace
Village of Roselle
Village of Villa Park
City of Warrenville
Village of Wayne
City of West Chicago
Village of Westmont
City of Wheaton
Village of Willowbrook
Village of Winfield
City of Wood Dale
Village of Woodridge

Addison Township
Bloomingdale Township
Downers Grove Township
Lisle Township
Milton Township
Naperville Township
Wayne Township
Winfield Township
York Township
DuPage County

Questions?



Mary Beth Falsey
Water Quality Supervisor
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DUPAGECOUNTY



STORMWATER MANAGEMENT

9. PRESENTATION**A. Public Meeting - Regional Water Quality Program**

MaryBeth Falsey, Water Quality Supervisor, stated that this public meeting is being held pursuant to Illinois Environmental Protection Agency Permit No. ILR40 to allow the public to provide input as to the adequacy of the DuPage County Water Quality Program.

Ms Falsey, gave a presentation on the Regional Water Quality Program.

B. Public Comment Discussion

Chairman Zay opened the floor up for Public Comment on the Regional Water Quality Program.

Beverly Jaszczowski, representing SCARCE, thanked Chairman Zay and the DuPage County Water Commission, for earning the Water Quality Flag and the Earth Flag. She gave a brief update on the organizations activities.

10. OLD BUSINESS

There was no Old Business.

11. NEW BUSINESS

There was no New Business.

12. EXECUTIVE SESSION

There was no Executive Session.

13. ADJOURNMENT

Motion by Member Tornatore, seconded by Member Hart to adjourn the meeting at 7:49 AM. On a voice vote all members present voted aye. Motion carried.

**VILLAGE OF BURR RIDGE
 STORM WATER MANAGEMENT FUND SUMMARY OF FINANCIAL OPERATIONS
 FOR FISCAL YEAR ENDING APRIL 30, 2020**

	2016/2017 Actual	2017/2018 Actual	2018/2019 Est Actual	2019/2020 Budget	2020/2021 Projected	2021/2022 Projected	2022/2023 Projected	2023/2024 Projected
Available Reserves - May 1	93,286	106,700	270,723	-62,507	-88,847	-68,377	-47,792	-27,097
Total Revenues	23,005	195,349	35,025	35,760	35,880	36,000	36,120	36,240
Total Expenditures	9,591	31,326	368,255	62,100	15,410	15,415	15,425	15,435
Net Increase (Decrease)	13,414	164,023	-333,230	-26,340	20,470	20,585	20,695	20,805
Available Reserves - April 30	106,700	270,723	-62,507	-88,847	-68,377	-47,792	-27,097	-6,292

Estimated Reserves May 1, 2019

-62,507

Estimated Revenues:

Miscellaneous Revenues	35,760
Transfers	0

Total Estimated Revenues

35,760

Estimated Expenditures:

Capital Outlay	61,700
Other Expenditures	400

Total Estimated Expenditures

62,100

Net Increase (Decrease)

-26,340

Estimated Reserves April 30, 2020

-88,847

**34 Storm Water Management Fund
0300 Revenues**

**VILLAGE OF BURR RIDGE
REVENUE BUDGET
FOR FISCAL YEAR ENDING APRIL 30, 2020**

Account and Description	2016/2017 Actual	2017/2018 Actual	2018/2019 Est Actual	2018/2019 Budget	2019/2020 Budget	Budget vs Budget	2020/2021 Projected	2021/2022 Projected	2022/2023 Projected	2023/2024 Projected
37 Miscellaneous Revenues										
3700 Interest Income	5,755	5,364	5,650	6,000	5,760	-4.0%	5,880	6,000	6,120	6,240
3795 Other Revenue	17,250	14,985	29,375	20,000	30,000	50.0%	30,000	30,000	30,000	30,000
Total Miscellaneous Revenues	23,005	20,349	35,025	26,000	35,760	37.5%	35,880	36,000	36,120	36,240
39 Transfers										
3910 Transfers From General Fund	0	175,000	0	0	0		0	0	0	0
Total Transfers	0	175,000	0	0	0		0	0	0	0
Total Revenues	23,005	195,349	35,025	26,000	35,760	37.5%	35,880	36,000	36,120	36,240

**34 Storm Water Management Fund
8040 Storm Water Management**

**VILLAGE OF BURR RIDGE
EXPENDITURE BUDGET
FOR FISCAL YEAR ENDING APRIL 30, 2020**

Account and Description	2016/2017 Actual	2017/2018 Actual	2018/2019 Est Actual	2018/2019 Budget	2019/2020 Budget	Budget vs Budget	2020/2021 Projected	2021/2022 Projected	2022/2023 Projected	2023/2024 Projected
70 Capital Outlay										
7051 Storm Water Management	9,161	30,926	367,895	133,800	61,700	-53.9%	15,000	15,000	15,000	15,000
Total Capital Outlay	9,161	30,926	367,895	133,800	61,700	-53.9%	15,000	15,000	15,000	15,000
80 Other Expenditures										
8040 Bank/Investment Fees	430	400	360	450	400	-11.1%	410	415	425	435
8099 Other Expenses	0	0	0	0	0		0	0	0	0
Total Other Expenditures	430	400	360	450	400	-11.1%	410	415	425	435
Total Storm Water Management	9,591	31,326	368,255	134,250	62,100	-53.7%	15,410	15,415	15,425	15,435

34 Storm Water Management Fund

**VILLAGE OF BURR RIDGE
REVENUE AND EXPENDITURE BUDGET
FOR FISCAL YEAR ENDING APRIL 30, 2020**

Notes

Storm Water Management	18-19 Est. Act.	18-19 Budget	19-20 Budget
NPDES Stormwater Permit fee	0	1,000	0
Windsor Pond bi-annual burn	2,725	2,800	2,800
Enhancement Area Monitoring	1,335		
IEPA Minimum Measures by IGA	5,000	5,000	5,000
Miscellaneous/emergency maintenance*	358,835	125,000	
Chloride Variance, DRSCWG/LDWG			6,900
Ravine Stabilization at Oak Hill Ct/94th St			12,000
Elm St. Culvert Engineering			35,000
	367,895	133,800	61,700

- Enhancement Area Monitoring includes Waterview Est. and Stone Creek Est.
 - IGA executed October 2017 with DuPage County.