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Doug Pollock
David Preissig

AGENDA**STORMWATER COMMITTEE**

Tuesday, February 13th, 2018

7:00 p.m.

**Public Works Conference Room
451 Commerce Street**

- 1) CALL TO ORDER**
- 2) ROLL CALL**
- 3) APPROVAL OF NOVEMBER 14, 2017 MINUTES**
- 4) STATUS OF MODIFICATIONS TO CULVERT PIPE ORIGINATING IN
KATHERINE LEGGE MEMORIAL PARK**
- 5) DISCUSSION REGARDING PROPOSAL TO DEVELOP 7950 DREW AVENUE**
- 6) DISCUSSION REGARDING DUPAGE COUNTY STORMWATER
MANAGEMENT PLANNING COMMITTEE PUBLIC MEETING OF TUESDAY,
FEBRUARY 6, 2018**
- 7) PRESENTATION OF THE DRAFT FY 2018-19 STORMWATER MANAGEMENT
FUND BUDGET**
- 8) AUDIENCE DISCUSSION**
- 9) 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 9, 2018

Subject: Agenda Summary for Stormwater Committee Meeting on February 13, 2018

1) CALL TO ORDER

2) ROLL CALL

3) APPROVAL OF MINUTES FROM THE NOVEMBER 14, 2017 STORMWATER COMMITTEE MEETING

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

4) STATUS OF MODIFICATIONS TO CULVERT PIPE ORIGINATING IN KATHERINE LEGGE MEMORIAL PARK

As discussed at the November 14, 2017 Committee meeting, the Villages of Hinsdale and Burr Ridge share maintenance responsibilities for the grate at the upstream end of a 66-inch diameter culvert pipe located in the Katherine Legge Memorial Park in Hinsdale. As specified in an Intergovernmental Agreement (IGA) executed in 1985, the Village of Burr Ridge is responsible for maintenance of the culvert and metal grates on each end, while Hinsdale is responsible for keeping the KLM channel and culvert grates free of debris or blockage. On October 14-15, 2017, in two separate incidents, a 10-year-old boy and a dog were carried by rushing water under this grate at the upstream end and emerged largely unhurt at the end of this culvert that discharges into a ditch near the Tollway Oasis in Hinsdale.

Since these incidents, the Village of Hinsdale installed a fence around the upstream end, while the Tollway removed the grate that was previously covering the downstream end section and re-graded the receiving ditch. [*Please see status update pictures in Attachment B*]. The Village of Burr Ridge shared equally in the cost of materials for the fence constructed by Hinsdale, which total cost was \$7,497 and the Village share was \$3,748.

As previously discussed, the Village has solicited for proposals to select an engineering consultant to review the upstream grate and determine if it could be modified to improve safety without compromising its current function. Any proposed concepts will be analyzed with anticipated worst-case stormwater flows and preliminary estimates of cost will be provided for the various options. One meeting with Hinsdale and Burr Ridge representatives is requested, before final recommendations are provided to the Village. The Village is requesting an assessment and preliminary discussion by June 2018 with a final report in July 2018. The FY18-19 Stormwater Management Fun Budget includes an estimate of \$5,000 for this study. A status update will be provided at the May 8, 2018 meeting of the Stormwater Committee.

5) DISCUSSION REGARDING PROPOSAL TO DEVELOP 7950 DREW AVENUE

Jarper & Associates has submitted a petition to develop a PUD at 7950 Drew Avenue. This development is proposed on the south portion of an 8.87 acre parcel at the southwest corner of 79th Street and Drew Avenue. *[Please see conceptual plans in Attachment C].*

The petitioner is proposing a development of nine 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 parcel is currently zoned R-3, meaning that the developer is permitted to develop the property with eight single-family lots at up to 4,000 square feet by right. The yield plan under present zoning would produce up to 32,000 square feet of single family property; however, the developer is seeking an additional lot to build homes with smaller footprints, which will create a footprint that is approximately 35% smaller than what would be permitted under standard zoning.

The developer originally sought to get approval for a PUD with 12 lots, with the developer providing significant drainage and storage capacity on the parcel as well as raising Drew Avenue to prevent water from draining over the road, but this option is no longer feasible based on the developer's discussions with DuPage County.

A public hearing will be held to discuss the proposal for a PUD at 7950 Drew at the March 5, 2018 meeting of the Plan Commission.

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

As reported previously to this Committee, the National Pollutant Discharge Elimination System (NPDES) General Stormwater Permit requirements have been outlined in the Illinois EPA's new statewide ILR40 Storm Water Permit for Small Municipal Separate Storm Sewer Systems (MS4's). The Village is partnering with DuPage County at a minimum level of County involvement to comply with IEPA permitting requirements but without substantial increases of staff time or budget expenses.

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 for the



public to provide input on the adequacy of the MS4 Program. By an IGA executed in October 2017, the Village is a partner municipality and can take credit for this meeting to meet its permitting requirements. The meeting was held during the regularly scheduled Stormwater Management Planning Committee meeting on February 6th, 2018 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 speakers from SCARCE, The Conservation Foundation, and a school superintendent.

7) PRESENTATION OF THE FY 2018-19 STORMWATER BUDGET

Expenditures of the current fiscal year exceed the estimated FY17-18 budget. This is a result of continued responsibility for enhancement area monitoring as well as the expenses to repair the Deer Path Trail outfall and Hinsdale fence construction at KLM Park.

Proposed expenditures from the Stormwater Management Fund this coming fiscal year will utilize nearly available reserves in the Fund. Expenses include the routine annual burn at Windsor Pond and the annual cost of the intergovernmental agreement (IGA) with DuPage County for NPDES permitting assistance. The largest expenditures are the engineering study for the KLM Park culvert pipe grate, as well as the engineering and construction of the storm sewer replacement along County Line Road at Deer Path Trail.

The proposed FY 2018-19 Stormwater Management Fund Budget is attached for review and discussion [*please see Attachment D*].

ATTACHMENTS

A: Minutes, Stormwater Management Committee Meeting, November 14, 2017

B: Katherine Legge Memorial Park Status Update Pictures

C: Conceptual plans for PUD at 7950 Drew Avenue

D: Storm Water Management Fund Summary of Financial Operations



**MINUTES
STORMWATER MANAGEMENT COMMITTEE
REGULAR MEETING**

November 14, 2017

CALL TO ORDER

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

ROLL CALL

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

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

APPROVAL OF AUGUST 8, 2017 MINUTES

A **MOTION** was made by Committee Person Montalbano to approve the minutes of the August 8, 2017 meeting. The motion was seconded by Committee Person Dave Allen and approved by a vote of 6-0.

DISCUSSION REGARDING FLOODING EVENTS OF OCTOBER 14-15, 2017

Mr. Preissig described the flooding that occurred during the weekend of October 14 and 15. He said there was 5.5 inches of rain on Saturday following by 2.5 inches later in the evening. Mr. Preissig presented a map showing where the critical areas of flooding occurred.

There was no action to be taken by the Committee as this was on the agenda for information purposes only.

STATUS OF MODIFICATIONS TO CULVERT PIPE ORIGINATING IN KATHERINE LEGGE MEMORIAL PARK

Mr. Preissig described the situation in the Hinsdale Park where a 10-year-old boy was swept through a drain pipe but without significant injury. He said Village staff has been working with Hinsdale to fence the upstream area, remove the grate at the outlet end of the pipe and to consider changes to the intake grate. He said the outlet grate has been removed by Tollway crews and that the fence is in progress. Mr. Preissig added that Hinsdale has an engineer looking the intake grate to determine if anything should be changed. Mr. Pollock added that the Village of Hinsdale is using their personnel to erect the fence but that Burr Ridge has agreed to contribute to the cost of materials.

There was no action to be taken by the Committee as this was on the agenda for information purposes only.

CONSIDERATION OF DEER PATH TRAIL DRAIN PIPE REPAIR PROJECT

Mr. Preissig reported that a drainage pipe on County Line Road near Deer Path Trail collapsed. He described temporary pumping and repairs that have been done but notified the Committee that a more permanent solution will be needed. He said proposals would be presented to the Committee in the near future.

CONSIDERATION OF PEPPERMILL COURT DRAINAGE CONCERNS

Mr. Preissig stated that the Peppermill Court subdivision had been severely impacted by the October 14 storm. He showed photos of the street under about 18 inches of water. He said one resident was concerned because they needed to pick up their son and could not get out of the subdivision. Mr. Preissig said the street is due for resurfacing in 2019 and at that time the Village can look at alternatives to improve the drainage. Mr. Pollock added that the situation on October 14 was not life threatening.

CONSIDERATION OF INCENTIVES RELATED TO PERMEABLE PAVERS

Mr. Preissig described several options for the Committee to consider relative to incentives for permeable pavers. The options included priority permit reviews, awards, floor area bonuses and fee reductions.

Committee Person Montelbano said she is not in favor of fee reductions but would consider awards.

Chairman Franzese said he would support awards or recognition for use of permeable pavers and allowing prioritization for permits for permeable pavers. The Committee indicated agreement.

Mr. Pollock said these programs could be implemented by the staff and no action would need to be taken by this Committee or the Village Board.

UPDATE REGARDING RESIDENTS CONCERN FOR DRAINAGE ON PROPERTY ADJACENT TO 15W619 81ST STREET

Mr. Preissig reported that the residents have reached an agreement on how to resolve the drainage issues between their properties. He said staff would monitor and make sure the work is completed properly in the Spring.

DISCUSSION REGARDING SAWMILL CREEK WATER QUALITY WATERSHED BASED PLAN

Mr. Pressing described the watershed plan developed by Du Page County. He said that the watershed only includes a small portion of the Village generally west of Madison Street and between I-55 and 83rd Street. He said the watershed plan develops ideas for improving

storm water runoff and water quality within the watershed.

The watershed plan was presented for information only and no further action is necessary at this time.

DISCUSSION REGARDING PROPOSAL TO DEVELOP 7950 DREW AVENUE

Mr. Preissig presented a plan from the owner of the property at the southwest corner of 79th Street and Drew Avenue. He said the owner intends to request new zoning that would allow 12 homes on the lot and also to re-work the wetlands for improved drainage in the area. He said that the owner hopes to resolve the flooding of Drew Avenue that occurs whenever there is a large storm. Mr. Preissig said that the owner has met with Du Page County but has not yet submitted a request for zoning approval for the Plan Commission review.

CONSIDERATION OF CY 2018 COMMITTEE MEETING DATES

The meeting schedule for 2018 was approved as submitted.

AUDIENCE DISCUSSION

Mr. Mark Thoma was present and said that he is concerned that the surface drain within the RIC property on County Line Road was not working properly. Mr. Preissig said he would investigate.

ADJOURNMENT

There being no further business, a **motion** was made by Trustee Paveza to adjourn the meeting. The motion was **seconded** by Nancy Montelbano and **approved** by a vote of 6-0. The meeting was adjourned at 8:00 p.m.

Respectively submitted,



J. Douglas Pollock, AICP

Village Administrator

STATUS UPDATE: Culvert Pipe at Katherine Legge Memorial Park & Oasis



Culvert Pipe at KLM Park



Split Rail Fence Installed Around Pipe at KLM Park

STATUS UPDATE: Culvert Pipe at Katherine Legge Memorial Park & Oasis



BEFORE: Culvert Discharge at Tollway Oasis (behind Woods Pool)

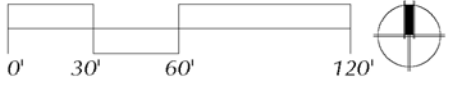


AFTER: Culvert Discharge – Grate Removed



9 Homes on Commonly Owned Open Space Plan
Proposed 9 Homes at 2,200 s.f. Each
Total 19,800 s.f. (38.5% less than R3 Yield Plan)

Total Property Area = 8.83 Ac.
Homes+Drives = 1.12 Ac. (12.7%)
Dedicated Open Space/Common Area
Managed by Homeowner Association
= 7.71 Ac (87.3%)

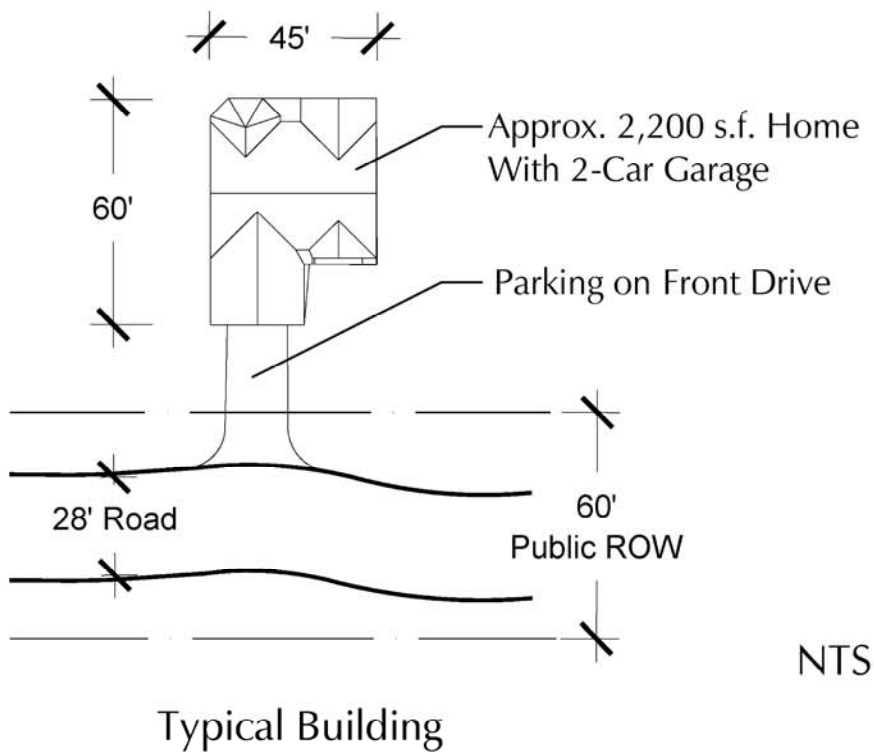


Conceptual Site Plan
7950 Drew Avenue
Burr Ridge, IL

SHEET L-2

JARPER PROPERTIES, LLC
16W21 S. Frontage Road #17
Burr ridge, IL 60527
January 9, 2018





Rain Garden

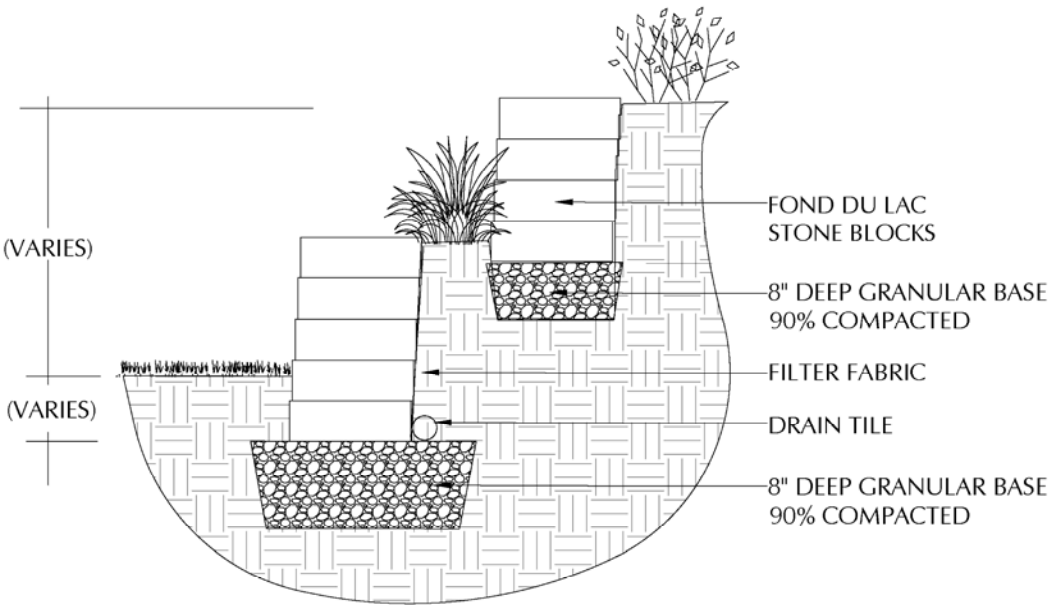


Wetland Buffer and Trail
Example Image



Retaining Wall Example

Fond Du Lac Stone
8-10" wide, 12-24" long, dry stack stone
WWW.BUECHELSTONE.COM



Retaining Wall Section

NTS

VILLAGE OF BURR RIDGE
STORM WATER MANAGEMENT FUND SUMMARY OF FINANCIAL OPERATIONS
FOR FISCAL YEAR ENDING APRIL 30, 2019

2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023
Actual	Actual	Est Actual	Budget	Projected	Projected	Projected	Projected
Available Reserves - May 1							
	83,673	98,404	111,818	568	2,018	3,468	4,918
Total Revenues	21,491	23,005	26,000	15,500	15,500	15,500	15,500
Total Expenditures	6,760	9,591	29,000	14,050	14,050	14,050	14,050
Net Increase (Decrease)	14,731	13,414	-3,000	1,450	1,450	1,450	1,450
Available Reserves - April 30							
	98,404	111,818	108,818	2,018	3,468	4,918	6,368
Estimated Reserves May 1, 2018							
Estimated Revenues:							
Miscellaneous Revenues		26,000					
Transfers		0					
Total Estimated Revenues				108,818			
Estimated Expenditures:							
Capital Outlay				133,800			
Other Expenditures				450			
Total Estimated Expenditures				134,250			
Net Increase (Decrease)				-108,250			
Estimated Reserves April 30, 2019				568			

34 Storm Water Management Fund
0300 Revenues

VILLAGE OF BURR RIDGE
REVENUE BUDGET
FOR FISCAL YEAR ENDING APRIL 30, 2019

Account and Description	2015/2016 Actual	2016/2017 Actual	2017/2018 Est Actual	2017/2018 Budget	2018/2019 Budget	Budget vs Budget	2019/2020 Projected	2020/2021 Projected	2021/2022 Projected	2022/2023 Projected
37 Miscellaneous Revenues										
3700 Interest Income	5,891	5,755	6,000	6,510	6,000	-7.8%	2,000	2,000	2,000	2,000
3795 Other Revenue	15,600	17,250	20,000	13,500	20,000	48.1%	13,500	13,500	13,500	13,500
Total Miscellaneous Revenues	21,491	23,005	26,000	20,010	26,000	29.9%	15,500	15,500	15,500	15,500
39 Transfers										
3910 Transfers From General Fund	0	0	0	0	0		0	0	0	0
Total Transfers	0	0	0	0	0		0	0	0	0
Total Revenues	21,491	23,005	26,000	20,010	26,000	29.9%	15,500	15,500	15,500	15,500

34 Storm Water Management Fund
8040 Storm Water Management

VILLAGE OF BURR RIDGE
EXPENDITURE BUDGET
FOR FISCAL YEAR ENDING APRIL 30, 2019

Account and Description	2015/2016 Actual	2016/2017 Actual	2017/2018 Est Actual	2017/2018 Budget	2018/2019 Budget	Budget vs Budget	2019/2020 Projected	2020/2021 Projected	2021/2022 Projected	2022/2023 Projected
70 Capital Outlay										
7051 Storm Water Management	6,325	9,161	28,550	13,450	133,800	894.8%	13,600	13,600	13,600	13,600
Total Capital Outlay	6,325	9,161	28,550	13,450	133,800	894.8%	13,600	13,600	13,600	13,600
80 Other Expenditures										
8040 Bank/Investment Fees	435	430	450	480	450	-6.3%	450	450	450	450
8099 Other Expenses	0	0	0	0	0		0	0	0	0
Total Other Expenditures	435	430	450	480	450	-6.3%	450	450	450	450
Total Storm Water Management	6,760	9,591	29,000	13,930	134,250	863.7%	14,050	14,050	14,050	14,050

34 Storm Water Management Fund

VILLAGE OF BURR RIDGE

REVENUE AND EXPENDITURE BUDGET

FOR FISCAL YEAR ENDING APRIL 30, 2019

Notes

Storm Water Management	17-18		17-18		18-19	
	Est. Act.	Budget	Est. Act.	Budget	Est. Act.	Budget
NPDES Stormwater Permit fee	1,000	1,000	1,000	1,000		
Windsor Pond bi-annual burn	2,725	2,650	2,725	2,650		
Enhancement Area Monitoring	3,935		3,935			
IEPA Minimum Measures by IGA	5,000	5,000	5,000	5,000		
Miscellaneous/emergency maintenance*	15,890	4,800	15,890	4,800		
	<u>28,550</u>	<u>13,450</u>	<u>28,550</u>	<u>13,450</u>		
- Enhancement Area Monitoring includes Waterview Est. and Stone Creek Est.						
- IGA executed October 2017 with DuPage County.						
* FY17-18: Fence at KLM culvert (50% Hinsdale), and DuPage Co. repair at Deer Path Tr.						
* FY18-19: KLM grate study, and Replacing Deer Path Tr. outfall along County Line Rd.						