



MANAGER'S REPORT FOR MARCH 1, 2019
GENERAL INFORMATION AND RESPONSES TO MAYOR & COMMISSIONER REQUESTS

Places to be this Week...

Village Council Meeting - The next Village Council meeting will be held on **March 5, at 7:00 p.m. in the Council Chambers** at Village Hall.

Future Calendar Reminders...

Village Council Meeting - The next Village Council meeting will be held on **March 12, at 7:00 p.m. in the Council Chambers** at Village Hall.

2018 Annual Report from the Stormwater and Floodplain Advisory Committee

The 2018 Annual Report from the Stormwater and Floodplain Advisory Committee has been prepared for Village Council. Four public meetings were held in 2018. The status of stormwater projects and the forthcoming revised floodplain maps were discussed throughout the public meetings. The Village did not receive any variance requests in 2018.

Attachment

2018 Annual Report from the Stormwater and Floodplain Advisory Committee

Per 26.404 of the Village Code, within sixty days after the close of the calendar year the SW&FPOC shall make an annual report to the Village Council. The following is for your consideration.

Stormwater & Flood Plain Oversight Committee 2018 Annual Report

Below is a brief summary of the activities of the Stormwater and Floodplain Oversight Committee in 2018:

- Held four (4) public meetings
- Discussed forthcoming revised floodplain maps, status of stormwater projects (including 2014 SPA projects)
- Did not have any variance requests

VODG SWFPOC
Staff Report
March 19, 2018

A. IAFSM

Staff presented on March 14 at the Illinois Association for Floodplain and Stormwater Management (IAFSM) Annual Conference in Tinley Park. The presentation was entitled “Administrating Local Flood Areas” and was a follow up to our presentation last year entitled “Urban Redevelopment in Flood Prone Areas.” The focus was on how we regulate Localized Poor Drainage Areas (LPDAs).

B. Innovations in Planning and Public Engagement for Community Resilience

Downers Grove was selected for a pilot project with the American Planning Association (APA) – funded by a grant from FEMA. This is the first project that integrates ArcHydro Flow Path and CommunityViz. ArcHydro Flow Path show the path of stormwater runoff. The color flow paths can be customized based on the amount of tributary area (for this study 1 lot, 1-5 lots, >5 lots). This allows residents to see where the runoff is flowing in their neighborhood. CommunityViz is a planning software product with scenario planning that uses imperious area to show runoff and the impact of more (or less) impervious surfaces within a specified area. The aim is to help homeowners better understand stormwater runoff and see where different strategies have more effect. Proposed projects from three areas of town were used to show before and after flow path models.

B. 2018 Stormwater Projects

Staff continues to work on stormwater projects from the 2014 report. The following is a brief update of the status of each project.

- 1 – Black Oak/Candlewood – Design in progress – construction anticipated Spring/Summer 2018
- 2 – Downers/40th – Study in progress – Final design 2018, Construction 2019
- 3 – Elm/Earlston – Design in progress – construction anticipated Spring/Summer 2018
- 6 – Highland Ct/Washington – Complete
- 7 – Drendel Rd (S of Indianapolis) – Design in progress – construction anticipated Spring/Summer 2018
- 8 – Chase Ave (Haddow to Burlington) – Complete
- 10 – Prairie/Forest – Design in progress – construction anticipated Spring/Summer 2018
- 11 – Linden – Design in progress – Construction anticipated Spring/Summer 2019
- 12 – Hitchcock (Glenview to Cornell) – Design in progress – construction anticipated Spring/Summer 2018
- 14 – Jefferson & Middaugh – Complete
- 15 – Lyman (Kenyon to Blanchard) – Complete
- 16 – Hobson Triangle area – Study in progress – Final design 2018, Construction 2019
- 17 – Francisco (Haddow to Burlington) – Complete
- FP-1 – St Joseph Creek (Hummer Park to Village Hall) – working with DuPage County
- FP-2 – Deer Creek – RFP sent for preliminary study, working with DuPage County
- FP-4 – St Joseph Creek (Maple and Elmwood) – included with FP-1

VODG SWFPOC
Staff Report
September 17, 2018

A. 2018 Stormwater Projects

Staff continues to work on stormwater projects from the 2014 report. The following is a brief update of the status of each project.

- 1 – Black Oak/Candlewood – construction underway
- 2 – Downers/40th – Study in progress – Final design 2018, Construction 2019
- 3 – Elm/Earlston – Design in progress – construction anticipated 2019
- 6 – Highland Ct/Washington – Complete
- 7 – Drendel Rd (S of Indianapolis) – Design in progress – construction getting ready to start
- 8 – Chase Ave (Haddow to Burlington) – Complete
- 10 – Prairie/Forest – Construction Contract Awarded – to start this month
- 11 – Linden – Design in progress – Construction anticipated Spring/Summer 2019
- 12 – Hitchcock (Glenview to Cornell) – Construction Contract Awarded – to start this month
- 14 – Jefferson & Middaugh – Complete
- 15 – Lyman (Kenyon to Blanchard) – Complete
- 16 – Hobson Triangle area – Study in progress – Final design 2018, Construction 2019
- 17 – Francisco (Haddow to Burlington) – Complete
- FP-1 – St Joseph Creek (Hummer Park to Village Hall) – DuPage County Watershed Study underway
- FP-2 – Deer Creek – Preliminary study in progress, working with DuPage County
- FP-4 – St Joseph Creek (Maple and Elmwood) – included with FP-1

B. Potential Stormwater Regulation Changes (Presented to Council 9/11/18)

Attached is the presentation from the Council meeting on Tuesday 9/11/18. Staff has been instructed to prepare an ordinance based on this concept.

C. Community Rating System (CRS) Re-Verification Cycle in November

As part of the Community Rating System (CRS), FEMA's contractor (ISO) will be coming to Downers Grove in November for a re-verification cycle. Every five (5) years we have a full re-verification with a site visit. The other years we have a re-certification where we submit our information to ISO. Our re-verification visit is a year behind because FEMA just adopted a new CRS manual earlier this year.

November SWFPOC Meeting
Summary of Major Stormwater Code Changes
Effective January 1, 2019

Residential Stormwater Storage

All New Single Family Houses and additions of 400 square feet or more of a footprint expansion shall provide residential stormwater storage according to the following table:

<u>NET NEW IMPERVIOUS AREA</u>	<u>STORAGE VOLUME REQUIRED</u>	<u>SUMP PUMP STORAGE VOLUME REQUIRED</u>
No change or reduction	0 cubic feet	50 cubic feet
1 to 699 square feet	100 cubic feet	50 cubic feet
700 to 999 square feet	150 cubic feet + required PCBMP storage volume	50 cubic feet
1,000 to 1,999 square feet	200 cubic feet + required PCBMP storage volume	50 cubic feet
2,000 square feet or more	250 cubic feet + required PCBMP storage volume	50 cubic feet

General Development Changes:

- All piped discharge (sump pumps and downspouts) shall be directed towards the right-of-way to the extent site topography allows, unless otherwise approved by the Stormwater Administrator.
- The surface of stripped areas shall be permanently or temporarily protected from soil erosion within seven (7) days after final grade is reached. Stripped areas that will remain undisturbed for more than seven (7) days after initial disturbance shall be protected from erosion.
- Any discharge that results in standing water for a period of more than seventy-two (72) hours, causes the formation of ice and/or the creation of any other hazardous or unsafe condition will require mitigation. If mitigation includes connection to a stormwater system, storage will be required in the amount of twenty-five percent (25%) of the volume required in Section 26.1001 for the impervious footprint of the home. It shall also meet all other requirements contained in Section 26.1001, except for the required pollutant control.

Post Construction Best Management Practices (PCBMP) Changes:

- Prior to any other on-site construction or demolition, a construction fence must be installed around the perimeter of the PCBMP and shown on the site plan.
- PCMPs must:
 - Be located at least 10 feet from all buildings that include a basement or crawl space, including those on adjacent properties
 - Be located at least 5 feet from all property lines
 - Include a piped overflow connection to the Village’s stormwater management system (ditch or storm sewer), unless otherwise approved by the Stormwater Administrator

New Definitions:

- *Major Residential Addition:* An addition to an existing detached or attached dwelling unit that expands the footprint of the dwelling by 400 sq. ft or more, excluding front porches, stoops, decks and patios.
- *New Single Family Residential Development:* A development of an attached or detached dwelling unit.
- *Residential Stormwater Storage:* A system constructed to temporarily store stormwater for New Single Family Residential Developments and Major Residential Additions.

VODG SWFPOC
Staff Report
December 17, 2018

A. 2018 Stormwater Projects

Staff continues to work on stormwater projects from the 2014 report. The following is a brief update of the status of each project.

- 1 – Black Oak/Candlewood – complete
- 2 – Downers/40th – Drainage study complete, Final design 2019, Construction 2020
- 3 – Elm/Earlston – Design in progress, Construction anticipated 2019
- 6 – Highland Ct/Washington – Complete
- 7 – Drendel Rd (S of Indianapolis) – Construction mostly complete (surface asphalt in Spring 2019)
- 8 – Chase Ave (Haddow to Burlington) – Complete
- 10 – Prairie/Forest – Complete
- 11 – Linden – Design complete, Phase I Construction anticipated Spring/Summer 2019
- 12 – Hitchcock (Glenview to Cornell) – Construction in progress
- 14 – Jefferson & Middaugh – Complete
- 15 – Lyman (Kenyon to Blanchard) – Complete
- 16 – Hobson Triangle area – Study complete, Final design 2018-19, Phase I Construction 2019-20
- 17 – Francisco (Haddow to Burlington) – Complete
- FP-1 – St Joseph Creek (Hummer Park to Village Hall) – DuPage County Watershed Study underway
- FP-2 – Deer Creek – Preliminary study in progress, working with DuPage County and Westmont
- FP-4 – St Joseph Creek (Maple and Elmwood) – included with FP-1

B. Other Stormwater Projects

- Bioswale Program
- Culvert Rehabilitation – Design/Build contract approved, working on permits/approvals
- Belmont Pollinator Garden

C. Community Rating System (CRS) Re-Verification Cycle

Staff completed the 5-year re-verification for the Community Rating System (CRS) on November 14. Some additional information is required to complete the verification and will be submitted this month. We are expected to remain a Class 6, which allows residents a 25% discount on flood insurance.