

AGENDA
CITY OF GROSSE POINTE PARK
SPECIAL CITY COUNCIL MEETING

August 4, 2021 7:00 pm

SPECIAL NOTICE: Due to the Wayne County Public Health Order and to continue to decrease the spread of COVID-19, this meeting will be held electronically. See instructions below for how to join the meeting and guidelines for meeting conduct. All City Council meeting materials are included as part of this meeting notice.

- I. Call to Order
- II. Roll Call
- III. Pledge of Allegiance to the Flag
- IV. Financial Update June 25-26 Storm
- V. Integrated Public Alert & Warning System (IPAWS)
- VI. City Sewer Program
- VII. Downspout and Illicit Connection Material
- VIII. Ordinance 226 Gutter and Downspout Disconnection
- IX. Public Comment
- X. Adjournment

ZOOM MEETING AND TELECONFERENCE INFORMATION

- Go to zoom.us
- Meeting ID: 865 4034 5153
- Password: 903424

Dial In Information

- +1 312 626 6799 US (Chicago)
- +1 646 558 8656 US (New York)
- +1 301 715 8592 US (Washington DC)
- +1 346 248 7799 US (Houston)
- +1 669 900 9128 US (San Jose)
- +1 253 215 8782 US (Tacoma)

Meeting ID: 865 4034 5153

Password: 903424

Michigan Relay is a communications system that allows hearing persons and deaf, hard of hearing, or speech-impaired persons to communicate by telephone. Users may reach Michigan Relay by dialing 7-1-1 and then connection with Zoom conference number above. There is no additional charge to use this service.

How to Submit Public Comment

There will be two options for how to submit a public comment for this meeting: attending the Zoom meeting or written comment. There will be one public comment at the end of the meeting. Spoken comments will be limited to three minutes. Written comments will be limited to 250 words.

Members of the public wishing to make a comment via Zoom will need to either join the meeting through the app on their computer/tablet/mobile phone and/or dial in to the phone number listed on the public notice. All spoken comments through the Zoom app or the phone will be limited to three minutes. The provided meeting guidelines outline the process for teleconferencing comments that will be followed during the meeting.

Written comments can be submitted directly to clerk@grossepointepark.org. Written submissions need to be 250 words or less and be submitted by 12:00pm on Wednesday, August 4, 2021.

Guidelines for Public Participants

1. All virtual meetings will be conducted via Zoom with a dial-in option. If you join the meeting utilizing the Zoom app on your computer/tablet/phone, you will be able to listen, see the City Council members, and make a public comment if you desire to do so. **We are not allowing the public to utilize a webcam during the meeting.** If you join the meeting with your webcam on, it will be disabled by the host.
2. All meeting materials and meeting information is available on the City website at www.grossepointepark.org
3. The meeting will start promptly at the time listed on the meeting notice. **Public participants will be permitted to join the meeting five minutes before the meeting is scheduled to start.**
4. When you are ready to join the meeting, please make sure your line is muted to decrease background noise. Public participant lines have to remain muted until the public comment portion of the meeting. **Also make sure your webcam is disabled before you join.** If you join the meeting with your webcam on, it will be disabled by the host.
5. If you decide you want to make a public comment, please utilize the raise hand function in the Zoom app or on the phone **during the agenda item before the appropriate public comment period.** To raise your hand on the phone, press *9. Staff will add you to the public comment queue list for the next public comment period. **Please note that all public participants are only allowed one three-minute public comment per public comment period.**
6. **When the public comment period begins,** the Mayor will call on a Staff member to read any public comments that were submitted via written statement. When those are completed, the Mayor will call for any spoken public comment. A staff member will call on public participants by either the last four digits of your phone number or your participant name listed in the Zoom app. Public

participants will be called in the order they were added to the queue list. Public participants who do not respond within ten seconds of their phone number or screen name being called will be skipped and the next person in line will be called on. This method will continue until all public participants have had the opportunity to comment. **All public comments shall not exceed three minutes and a timer will be displayed on the screen.**

7. Once the public comment period is done, the Mayor will continue with the next agenda item.

Hosts will have the ability to and will remove participants from the meeting if they breach the peace in such a way that disrupts or interferes with the meeting.



Council Meeting
August 4, 2021

TITLE: Flood expenses incurred	DATE: August 2, 2021
SUMMARY: Due to the unprecedented precipitation events on June 25-26, 2021, the city hired additional contractors for the removal of rubbish throughout the city for a two-week period. Also, included are the losses the City incurred for property that was damaged from the flooding along with the list of overtime hours worked by the public works department.	
FINANCIAL IMPACT \$759,000.00 to date	
RECOMMENDATION:	
PREPARED BY: Jane M. Blahut	TITLE: Finance Director

JUNE 25 - JULY 10 2021
FLOOD OVERTIME /DOUBLETIME
D.P.W.

Total Overtime	568 Hours	\$	22,078.55
Total Double Time	243 Hours	\$	<u>12,861.94</u>
TOTAL PAID		\$	34,940.49

June 2021 Flood

<u>INVOICE DATE</u>	<u>VENDOR NAME</u>	<u>INVOICE #</u>	<u>AMOUNT</u>	<u>DESCRIPTION</u>
07/01/21	Ainsworth	Estimate	40,000.00	Remove & replace boiler
07/01/21	Ainsworth	Estimate	16,000.00	Replace 2 pump skids
07/01/21	Ainsworth	Estimate	6,150.00	Replace hot water tank 100 gallon 75,000 BTU
07/06/21	Backer Landscaping	244108	5,360.00	Trash clean up July 6, 2021
07/07/21	Backer Landscaping	244239	3,942.50	Trash clean up July 7 2021
07/08/21	Backer Landscaping	244395	6,852.50	Trash clean up July 2021
07/10/21	Backer Landscaping	226291	6,707.50	Trash clean up July 10 2021
07/12/21	Backer Landscaping	226920	7,257.50	Trash clean up July 12 2021
07/15/21	Business Communications Scvs NEC	MAC Agreement	3,292.00	911 Phones
07/13/21	Belfor Property Restoration	1558719	2,262.10	Temporary restoration Public Safety
07/02/21	Centaris	142969	532.98	No incoming calls to police
07/06/21	Den-Man Contractors	59568	4,432.50	Flood clean up July 2 2021
07/08/21	Den-Man Contractors	59572	4,465.00	Flood clean up July 6 2021
07/08/21	Den-Man Contractors	59571	4,900.00	Flood clean up July 7 2021
07/09/21	Den-Man Contractors	59576	9,945.00	Flood clean up July 8 2021
07/12/21	Den-Man Contractors	59579	8,705.00	Flood clean up July 9 2021
07/14/21	Den-Man Contractors	59582	8,135.00	Flood clean up July 12 2021
06/29/21	Equature	25065	10,220.00	Equature EU Expandable Chassis
07/29/21	GFL		51,691.27	Flood Clean up & transfer station chgs June 28-July 10, 2021
7/8/2021	I.T. Right	20169101	2,953.58	SMART UPS Computer system disppatch
07/21/21	Joe's Trailer	1-715609	119.98	Swing away tongue jacks damaged during flood clean-up
07/01/21	Landscape Services	198177	7,660.00	Storm clean up July 1 2021
07/15/21	Landscape Services	198178	7,847.50	Storm clean up July 2 2021
07/15/21	Landscape Services	198179	7,735.00	Storm clean up July 3 2021
07/15/21	Landscape Services	198180	8,335.00	Storm clean up July 5 2021
07/15/21	Landscape Services	198181	14,570.00	Storm clean up July 6 2021
07/15/21	Landscape Services	198182	30,730.00	Storm clean up July 7 2021
07/15/21	Landscape Services	198183	39,205.00	Storm clean up July 8 2021
07/15/21	Landscape Services	198184	36,781.25	Storm clean up July 9 2021
07/15/21	Landscape Services	198185	57,058.75	Storm clean up july 10 2021
07/15/21	Landscape Services	198186	34,470.00	Storm clean up July 12 2021
07/08/21	Leslie Tire	2138774	1,869.00	Replace loader #82 tire damaged during storm clean-up
07/20/21	Motorola, Inc		1,875.00	Replacement Auruba Switch
7/4/2021	Oreilly Auto Parts	3439-289263	47.96	Diesel exhaust flood loader & garbage trucks
07/13/21	Premier Truck Sales	SI122867	4,800.00	Rental 2 Rubbish truck 7/13-19/21

June 2021 Flood

07/06/21	Premier Truck Sales	SI122740	4,800.00	Rental 2 Rubbish truck 7/6-12/21
06/30/21	Premier Truck Sales	SI122595	4,800.00	Rental 2 Rubbish trucks 6/29-7/5/21
07/15/21	Roncelli	21-601	28,097.13	Storm clean up July 8, 9, & 12 2021
07/06/21	Roya O'brien, Inc	596895	1,456.53	Headlamp, bailast, fan assembky Scout 1-7
07/01/21	Santoro Services	2016-1118	10,486.25	Storm Clean up July 1 2021
07/02/21	Santoro Services	2016-1120	8,161.25	Storm clean up July 2 2021
07/02/21	Santoro Services	2016-1121	6,495.00	storm Clean up July 3 2021
07/12/21	Santoro Services	2016-1122	30,288.00	Storm clean up July 6 2021
07/12/21	Santoro Services	2016-1123	32,417.50	Storm clean up July 7 2021
07/12/21	Santoro Services	2016-1124	37,583.75	Storm clean up July 8 2021
07/12/21	Santoro Services	2016-1125	34,821.25	Storm clean up July 9 2021
07/10/21	Santoro Services	2016-1126	7,931.25	Storm clean up July 10 2021
07/14/21	Santoro Services	2016-1127	30,887.50	Storm clean up July 12, 2021
07/07/21	Spencer Oil	8971660	928.46	Fuel for clean-up
07/16/21	State of Michigan	Estimate	5,174.00	Dispatch communications
07/20/21	State of Michigan	21-082045	6,389.08	Dispatch radio repair
07/15/21	Tree Service of Troy	2775	12,000.00	Brush chipping July 8, 9, & 12 2021
07/16/21	Various	Estimate	4,389.99	Armory replacement estimate Public Safety basement
			\$ 724,015.81	



Special Council Meeting
August 4, 2021

TITLE: Integrated Public Alert & Warning System (IPAWS)	DATE: August 4, 2021
SUMMARY: (IPAWS) is FEMA 's national system for local alerting that provides authenticated emergency and life-saving information to the public through mobile phones using Wireless Emergency Alerts, to radio and television via the Emergency Alert System, and on the National Oceanic and Atmospheric Administration's Weather Radio.	
FINANCIAL IMPACT: There is no fiscal impact	
RECOMMENDATION: No Council action required at this time.	
PREPARED BY: Bryan Jarrell	TITLE: Director of Public Safety



memorandum

Date: August 3, 2021

To: Nick Sizeland, City Manager

cc: Tom Jenny, Pat Thomas, City of Grosse Pointe Park
Steve Sicklich, P.E. OHM

From: Patrick M. Droze, P.E.

Re: Sanitary Sewer Televising and Inspection

The City of Grosse Pointe Park is seeking information on developing a program to perform visual inspection of sewer lines and interceptors within the community. Of the roughly 44 miles of sewers within the City, 41 of these are owned and operated by the City of Grosse Pointe Park. The sewers range in size from 6" and up to 15' in diameter. Additionally, the City owns approximately 680 manhole structures. These manholes are spaced at intervals of up to 300' and serve as junction and access points for the system.

The sanitary sewer system ranges in age with several areas approaching 100 years in age. Over time, these systems, like any other infrastructure, begin to break down. While these systems are large and difficult to access, preventative maintenance can often include cost effective and long-lasting solutions to extend the life of infrastructure and also reduce operational issues resulting from inflow and infiltration. In recent years, the City secured grants and has performed field data collection and mapping of the sewer system which sets the stage for the deployment of asset management principals. With the location of infrastructure known, the City can advance into condition assessment phase to enhance and centralized knowledge of each individual manhole and pipe segment. This condition assessment will provide insight on overall infrastructure condition and the locations pipes susceptible to high groundwater or inflow.

PROJECT COST ESTIMATE

Based on the available data and recent as-bid pricing from peer communities, OHM has prepared an estimate for a program to clean and televise all 41 miles of sewer main (see attached). As part of this, OHM also prepared an estimate for effort to inspect all 680 manholes within the City. The work is summarized as follows:

- **Cleaning:** This work includes the effort to jet and vacuum out debris from the sewer lines. In areas where root intrusion is severe (heavy cleaning), the work also includes root cutting to remove roots from the sewers.
- **Sewer Inspection:** This work includes placing a track-driven robotic camera within the sewer pipe. The device will record conditions and also note defects within the sewer pipes. This includes cracks, separated joints, lateral taps, utility strikes and pipe crushing/collapses. Each defect will be keyed for severity and a horizontal position provided to allow for later maintenance, repair or replacement.
- **Manhole Inspection:** This work includes performing a site visit to each manhole. As part of this, the ground conditions will be noted to identify surface grading that may be discharging into the manhole. The work will also include an inch-by-inch vertical inspection of the manhole to find cracks, missing bricks, leaks or



RECOMMENDED PROGRAM

Based on the available funding, OHM suggests that the City perform a targeted approach to evaluate the City's sanitary sewer system. First and foremost, the City should focus effort on areas with known issues. This includes areas with excessive root intrusion, suspected surcharge and known settling or sinkholes. While these areas are extremely important, there is also tremendous value in performing condition assessment over a randomized sample of the remainder of the City's sewer system. The sample will be helpful in denoting typical sewer conditions within other areas of the City and also provide valuable information that can identify correlations of the sewer condition relative to material, relative age or areas of the City. This information will help the City better identify areas where additional conditional assessment or evaluation would be beneficial. Once the budget for the work has been approved, OHM will finalize bidding documents and will work with the City staff to place the project on MITN for competitive bidding and initiate work as soon as possible.

FUNDING

The above noted work is a vital part of a City's utility asset management system. As such, the activities to clean and televise infrastructure are often grant-eligible activities as long as the work is completed by contractors certified by the National Association of Sewer Service Companies (NAASCO). This certification ensures that data collected is consistently collected and coded in compliance with uniformity standards. As infrastructure bills pass through Congress, OHM suggests that funding opportunities are aggressively pursued to advance later phases of this and other sewer tasks to improve the City's overall infrastructure conditions.

ATTACHMENT

Engineer's Opinion of Probable Cost



ORCHARD, HILTZ & McCLIMENT, INC.

34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Grosse Pointe Park Sanitary Sewer Assessment

DATE: Jul 23, 2021

PROJECT NO. _____

BASIS FOR ESTIMATE: CONCEPTUAL PRELIMINARY FINAL

ESTIMATOR: SS

CHECKED BY: PMD

CURRENT ENR: _____

WORK: PACP assessment of approximately 41 miles of sanitary sewer pipe and MACP assessment of 680 manholes.

DIVISION 1 - CCTV Assessment					
Item	Description	Estimated Quantity	Unit Price	Amount	
1	Mobilization, Max. 5%	1 LS	\$60,000.00	\$60,000.00	
2	Traffic and Maintenance and Control	1 LS	\$35,000.00	\$35,000.00	
3	Sanitary Sewer Video Inspection, 6-12 inch	67,900 Foot	\$1.00	\$67,900.00	
4	Sanitary Sewer Video Inspection, 15-22 inch	95,400 Foot	\$1.50	\$143,100.00	
5	Sanitary Sewer Video Inspection, 24-30 inch	43,500 Foot	\$1.50	\$65,250.00	
6	Sanitary Sewer Video Inspection, 32-40 inch	10,600 Foot	\$2.00	\$21,200.00	
7	Sanitary Sewer Video Inspection, 42-48 inch	4,000 Foot	\$2.00	\$8,000.00	
8	Sanitary Sewer Video Inspection, 66-72 inch	5,200 Foot	\$8.00	\$41,600.00	
9	Sanitary Sewer Video Inspection, 78 inch	3,400 Foot	\$9.00	\$30,600.00	
10	Sanitary Sewer Video Inspection, 84 inch	2,600 Foot	\$9.00	\$23,400.00	
11	Sanitary Sewer Video Inspection, 102 inch	1,100 Foot	\$10.00	\$11,000.00	
12	Sanitary Sewer Video Inspection, 108 inch	540 Foot	\$10.00	\$5,395.70	
13	Sanitary Sewer Video Inspection, 111 inch	200 Foot	\$10.00	\$1,998.90	
14	Sanitary Sewer Video Inspection, 120 inch	1,300 Foot	\$12.00	\$15,600.00	
15	Sanitary Sewer Video Inspection, 126 inch	1,676 Foot	\$12.00	\$20,111.28	
16	Sanitary Sewer Video Inspection, 162 inch	45 Foot	\$12.00	\$541.80	
17	Sanitary Sewer Video Inspection, 168 inch	75 Foot	\$12.00	\$898.20	
18	Sanitary Sewer Video Inspection, 174 inch	69 Foot	\$12.00	\$833.64	
19	Sanitary Sewer Video Inspection, 180 inch	164 Foot	\$12.00	\$1,965.24	
20	Sanitary Sewer Cleaning, 6-12 inch	37,876 Foot	\$1.50	\$56,813.58	
21	Sanitary Sewer Cleaning, 15-22 inch	75,337 Foot	\$2.00	\$150,674.42	
22	Sanitary Sewer Cleaning, 24-30 inch	33,430 Foot	\$3.00	\$100,290.78	
23	Sanitary Sewer Cleaning, 32-40 inch	8,003 Foot	\$4.00	\$32,011.68	
24	Sanitary Sewer Cleaning, 42-48 inch	2,980 Foot	\$4.50	\$13,409.46	
25	Sanitary Sewer Heavy Cleaning, 6-12 inch	30,000 Foot	\$2.00	\$60,000.00	
26	Sanitary Sewer Heavy Cleaning, 15-22 inch	20,000 Foot	\$3.00	\$60,000.00	
27	Sanitary Sewer Heavy Cleaning, 24-30 inch	10,000 Foot	\$4.00	\$40,000.00	
28	Sanitary Sewer Heavy Cleaning, 32-40 inch	2,500 Foot	\$6.00	\$15,000.00	
29	Sanitary Sewer Heavy Cleaning, 42-48 inch	1,000 Foot	\$8.00	\$8,000.00	
30	Material Disposal	500 Cyd	\$80.00	\$40,000.00	
31	Sanitary MH Inspection, MACP Level 2	680 Each	\$100.00	\$68,000.00	
32	Final Deliverables	1 LS	\$5,000.00	\$5,000.00	
33	Bypass Pumping, Allowance	1 LS	\$25,000.00	\$25,000.00	
34	Contingency, Allowance	1 LS	\$25,000.00	\$25,000.00	
				Construction Amount	\$1,260,000.00
				Engineering / Survey	\$50,400.00
				Easements	\$0.00
				Geotechnical - Soil Borings	\$0.00
				Contract Administration & Staking	\$25,200.00
				Material Testing	\$0.00
				Construction Observation (if applicable)	90 Days \$760.00 \$68,400.00
				Soft Costs	\$144,000.00
				Sub-total Project Cost (Construction + Soft Costs)	\$1,404,000.00
				Contingency (20%)	\$280,800.00
				Total Project Cost (Division 1) - Use	\$1,684,800.00

NOTE:

1. Permit Costs, Easement Costs, and Utility Relocation Costs are not included.
2. Engineering / Survey estimate is for budgeting purposes and is calculated without contingency amount.
3. Property acquisition services and ROW purchase costs are not included.
4. Assumed MSI Inspection over 48-inch diameter without cleaning
5. Cleaning of sewers over 48-inch diameter are not included.
6. Heavy cleaning of sewers is estimated. Includes removal of roots, mineral deposits & lateral protrusions.
7. Assumed City will uncover and/or adjust buried structures for inspection.



memorandum

Date: August 3, 2021

To: Nick Sizeland, City Manager

cc: Tom Jenny, Pat Thomas, City of Grosse Pointe Park
Steve Sicklich, P.E. OHM

From: Patrick M. Droze, P.E.

Re: Sanitary Sewer Optimization and Resiliency Efforts

OHM will provide a presentation with an approach to addressing sanitary capacity sewer issues within the City of Grosse Pointe Park. The presentation will include the goals, approach, near term and long-term projects. City administration seeks concurrence with this approach with the goal of advancing several bid packages immediately.

GOALS

The City has essentially three main goals that will guide sewer improvements:

- “Dry out” the sanitary sewer system through removal of inflow and infiltration
- Optimize the existing sewer system to maximize wet weather capacity and storage.
- Create relief points to control system surcharge under extreme events.

Work towards attaining these goals will be led by the City, but the work of drying out the sewer system will be bolstered through partnerships within the community. The creation of extreme relief points may leverage external partners such as GLWA, DWSD or other nearby communities.

APPROACH

The City can work towards addressing the above goals through a combination of efforts to help attack the problem from all directions. Given the scale and urgency of the need, an aggressive approach is needed to increase available data of the sewer operations and vet alternatives for improvement. A multifaceted approach is envisioned to accomplish this:

Asset Management	Targeted Inflow Removal	Operations and Optimization	Resiliency	Public Engagement
<ul style="list-style-type: none">• Asset Inventory and Mapping Improvements• System Condition Assessment• Task tracking and documentation• System Rehabilitation	<ul style="list-style-type: none">• Construction projects to remove connected impervious• Ordinance Updates• Sewer Lining	<ul style="list-style-type: none">• Flow metering and Instrumentation• Hydraulic Modeling• Annual Capital Improvement Program (Construction Projects)	<ul style="list-style-type: none">• Use model to plan for Management of Extreme Events• Increase Storage Capacity• Permit compliance• Create outfalls or additional pumping capacity	<ul style="list-style-type: none">• Education, Messaging and• Level of Service• Revenue Requirements• Progress Reports



SHORT- AND MEDIUM-TERM ACTION

Over the next several months, it is proposed that the City accelerate efforts to assess, add instrumentation, model and repair the sewer system. The presentation will provide detail on several efforts that the City will be advancing over the coming months.

Task	Initial Budgeting (Subject to Bidding)	Horizon
Sanitary Sewer Condition Assessment (20% of system)	\$280,000	Fall 2021
Sanitary Manhole Inspections (5% of system)	\$20,000	Fall 2021
Smoke Testing (City Staff)	\$5,000	Immediate
Bulkhead Inspections (City Staff)	\$5,000	Immediate
Sanitary Sewer Flow Metering*	\$100,000	Fall 2021 through Fall 2022
Sanitary Sewer Model Development, Calibration and Alternatives Analysis*	\$100,000	Winter 2022
Public Information Rollout	\$5,000	Ongoing
As-needed budget for emergency repair	\$100,000	FY 2021/2022

*Extent and scope of metering and model pending approval from EGLE.

FUTURE NEEDS

As asset information and modeling data are completed, the City will also look to advance several other tasks to set the stage for continual system improvements. The tasks will work to align the system operations with the Community's expected level of service. Ultimately, the work will result in a sanitary sewer master plan which will detail an orderly approach to projects along with anticipated budgets and a recommendation relative to water and sewer rates. Specific tasks to address there are as follows

- Develop an annual CIP for sewer system inclusive of rotating inspections, repairs, maintenance and rehabilitation.
- Aggressively pursue funding opportunities to assist the city with eliminating sources of inflow into the sanitary sewer system.
- Regional coordination of efforts with GLWA and Detroit River watershed communities
- Water and Sewer Rate Sufficiency Study
- Community meetings on Level of Service
- A sanitary sewer master plan detailing findings, recommendations and a 5-year capital improvement master plan.
- Water and Sewer rate adoption.
- Refined CIP development (align sewer work with water mains, lead service lines, paving, and funding)
- Design, bidding and construct of annual sewer improvements.

City of Grosse Pointe Park

15115 EAST JEFFERSON AVENUE □ GROSSE POINTE PARK, MICHIGAN 48230 □
PHONE (313) 822-6200

Downspout Disconnection in Grosse Pointe Park

Please be advised The City of Grosse Pointe Park Department of Public Works requests your assistance in disconnecting downspouts on homes within the City. Downspout disconnection is the process of separating roof downspouts from the sanitary sewer system and redirecting roof runoff onto pervious surfaces, most commonly a lawn or to the storm sewers in the streets.

Downspout connections are significant contributors to basement flooding and are a tremendous added expense for conveyance and treatment of wastewater. Letters will be issued if properties are found to have a downspout connection as part of building or ordinance inspections for compliance.

Diverting storm water to the storm drains has the following advantages:

- Takes rainwater out of the sanitary system, reducing sewer flows and unnecessary transportation eliminating treatment costs for the rainwater.
- Most cost effective of all the possible solutions, for reducing sewer flows.
- Reduce sewage overflows Into Lake St. Clair.
- Reduce basement flooding.
- Reduce water use for landscaping saving you money.
- Protects homeowners who have had sanitary backups during adverse weather events.
- A 1,500 sq. ft. home can redirect 25,000 gallons of water each year away from the sewer system by disconnecting downspouts. A neighborhood of 100 homes can redirect 2.5 million gallons of water each year away from the sewer system by disconnecting downspouts and redirecting storm water to vegetated areas.
- Redirecting storm water could save a community \$25 per year per house by not sending it to GLWA.

Where Can I find the City Ordinance?

Under City Code it is [Chapter 7-14. Gutter and Downspout Disconnection.](#)

What are the effects of improper and proper roof drainage?

Improper Roof Drainage

Examples of improper methods for handling roof drainage are as follows:

- Downspouts that drain directly into the sanitary sewer line
- Downspouts that drain straight down and do not direct water away from the house
- Grading in the yard that directs water toward the house

Proper Roof Drainage

Examples of proper methods for handling roof drainage are as follows:

- A plug in the sanitary sewer line where the downspout had been connected
- Downspout extensions that drain roof water away from your house
- Grading that provides gradual slope away from the house

Do I need a City permit to disconnect my downspout?

No, a permit is not required to have your downspouts disconnected.

How does downspout disconnection relieve pressure from the pumpstation?

Downspout disconnection decreases the peak discharge by reducing the volume of runoff that enters the sewer and by increasing the discharge time over which it enters. Also, roofs are inherently distributed over a drainage area. Connected downspouts concentrate and centralize roof runoff, causing peak discharges from individual roofs to accumulate in a relatively small number of manmade conveyances. By contrast, downspout disconnection helps to separate the peak discharge from each individual roof.

Do I need to cap the drain connection (hole in the ground)?

Yes, it is important to ensure that once the downspout is disconnected, the drain connection (the open pipe remaining) be capped. This prevents water and debris from going in and also stops animals from falling into the opening.

Can I do this myself or will I need to hire a contractor?

This is something that can be completed by a homeowner as the process is fairly simple. The City has made available an easy guide that takes you step by step on how to disconnect illicit downspouts. If you need assistance the Department of Public Works can come to your home to show where the downspout should be routed to and a licensed plumber can be of assistance. Copies will be available at City Hall or on the City website.

Where should I have my downspout run to?

For disconnection to be safe and effective, each downspout must discharge into a suitable receiving area. Runoff must not flow toward building foundations or onto adjacent property. Typical receiving areas for disconnected roof runoff include lawns, gardens, and other existing landscaping such as shrubs. Roof downspouts or curb cuts should be at least 5 feet away from the nearest connected impervious surface to discourage “re-connections.”



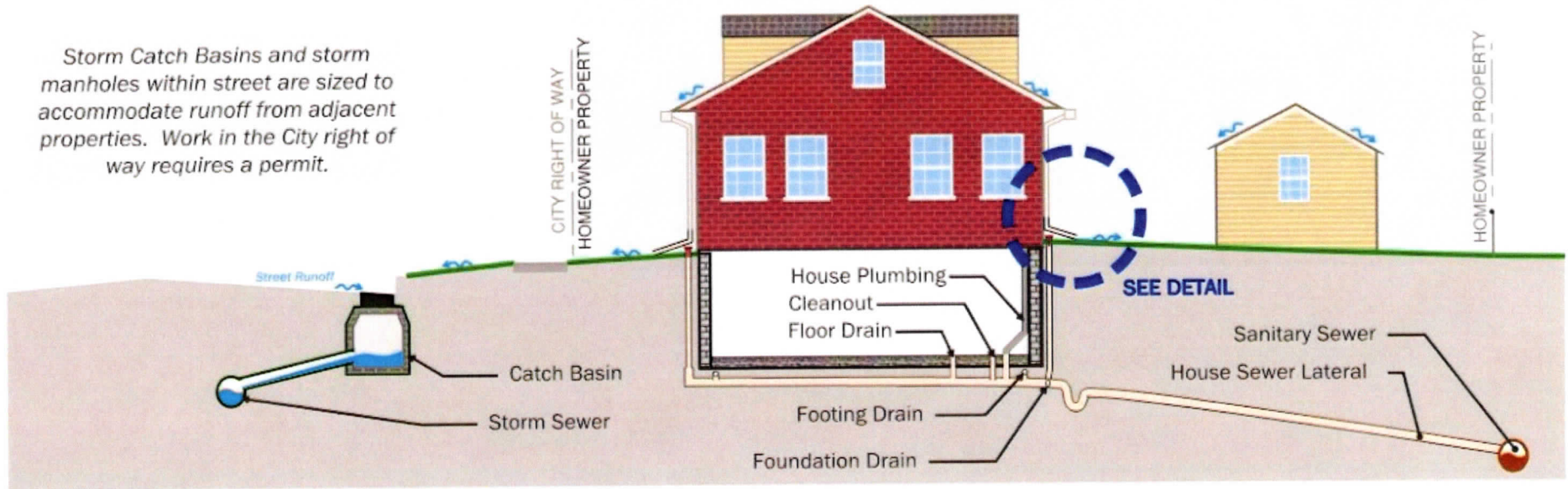
Proper Disconnection



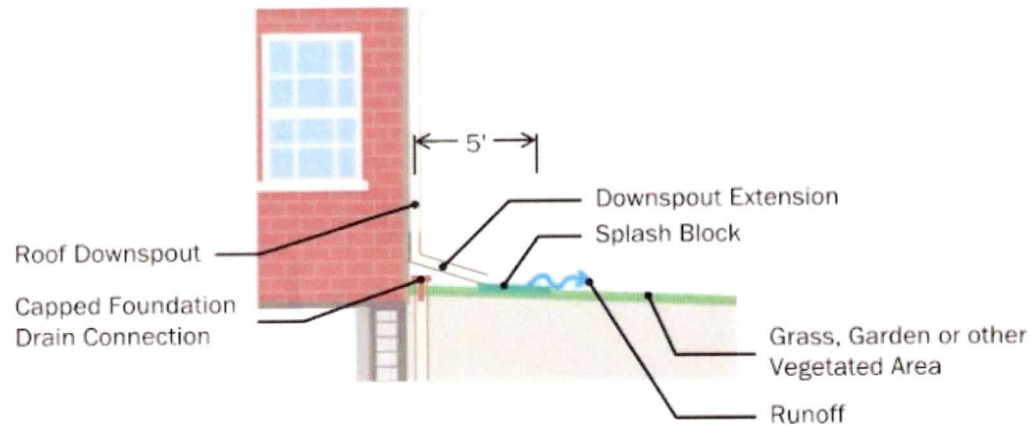
Improper Connection to Sanitary

If you have any questions or require assistance, please contact the Department of Public Works at 313-822-5100. Public Works will schedule an appointment to view your home and provide assistance on where you should redirect your connections.

Storm Catch Basins and storm manholes within street are sized to accommodate runoff from adjacent properties. Work in the City right of way requires a permit.



INDIVIDUAL DOWNSPOUT DISCONNECTION DETAIL



NOTES AND INFORMATION

All residential downspouts connected to the City of Grosse Pointe Park Sanitary Sewer System shall be disconnected and routed to pervious areas whenever possible.

Ensure downspouts direct water away from buildings and adjacent property and discharge points are 5' from the buildings.

Residents are encouraged to use rain barrels, rain gardens and other green infrastructure to help infiltrate runoff.

Contact the City of Grosse Pointe Park DPW at (313) 822-5100 for assistance in evaluating downspouts and identifying possible areas to divert runoff.

RESIDENTIAL DOWNSPOUT DISCONNECTION

JULY 2021





Council Meeting *August 4, 2021*

TITLE: Re-Ordinance Update #226	DATE: August 4, 2021
SUMMARY: The proposed amendment to the downspout ordinance is being presented tonight for approval. The amendment strengthens the ordinance and conforms to similar ordinances in other communities. The purpose of the amendment is to reduce the sudden inflow of rainwater into the sanitary sewer system, the overflow of the drainage system and the resulting pollution of Lake St. Clair, and the reduction of basement flooding, does hereby adopt the rules and regulations set out in this section requiring the disconnection of rainwater downspouts within the city. Another purpose of the proposed amendment is also to formalize the decision and appeal process.	
FINANCIAL IMPACT: There is no fiscal impact	
RECOMMENDATION: Adopt Recommended Ordinance Change	
PREPARED BY: Jake Howlett	TITLE: City Attorney

CITY OF GROSSE POINTE PARK
Ordinance No. 226

**AN ORDINANCE TO AMEND THE CODE OF THE CITY OF
GROSSE POINTE PARK BY REVISING AND AMENDING
CHAPTER 7, SECTION 14, OF THE CODE OF THE CITY
OF GROSSE POINTE PARK RELATING TO GUTTER AND
DOWNSPOUT CONNECTIONS,**

THE CITY OF GROSSE POINTE PARK ORDAINS:

Sec. 7-14. Gutter and Downspout Disconnection

Purpose. The city council, in order to reduce the sudden inflow of rainwater into the sanitary sewer system, the overflow of the drainage system and the resulting pollution of Lake St. Clair, and the reduction of basement flooding, does hereby adopt the rules and regulations set out in this section requiring the disconnection of rainwater downspouts within the city.

(a) Downspouts, eaves troughs, sump pumps, or any other system or device for the collection and conveyance of stormwater shall not be directly connected to any city sanitary sewer.

(b) No person owning or occupying any property shall be entitled to the issuance of a certificate of occupancy and use or building permit allowing such person to construct, permit, allow or maintain the connection of any gutter downspout with the sanitary sewer system of the City of Grosse Pointe Park or occupy any property where such condition exists, unless an exemption has been granted in accordance with subsection (c) of this Section. Failure or refusal to disconnect any device identified in subsection (a) shall constitute an Illicit Connection under Section 7-15.

(c) Any person who can demonstrate to the Building Official, Ordinance Officer, Department Of Public Works Supervisor or their authorized designated representative that the disconnection from the Grosse Pointe Park sanitary sewer system of some or all of the gutter downspouts located on the property owned or occupied by such person would be impractical, an undue hardship, result in damage to such property or to abutting property, or would:

- (1) Cause water to discharge onto a driveway or sidewalk creating a hazardous condition;
- (2) Cause water to flow next to a basement wall and tend to create a basement water problem; or
- (3) Create a flooding problem because of low grade.

may apply for an exemption entitling such person to receive a certificate of occupancy and use or building permit notwithstanding the requirements of Subsection (b) of this Section, which exemption shall be in writing and shall relieve the person or property designated in such exemption

from compliance with subsection (b) of this section. A copy of each exemption shall be recorded with the Department of Public Service. For the avoidance of doubt, any person who received an exemption under any prior version of the Grosse Pointe Park City Code of Ordinances must re-apply for exemption within ninety (90) days of the effective date of this Ordinance. At that time, all previously-granted exemptions not renewed shall be deemed to be revoked.

(d) Demonstration of hardship for exemption: Property owners claiming infeasibility of downspout disconnections shall be required to furnish proof of the hardship for each connected downspout to the sanitary sewer system. The documentation shall generally demonstrate the inability to convey stormwater away from building structures and onto adjacent property. Documentation of this condition requires the following:

- (1) In instances where connected downspouts are within concrete, asphalt or pavers surfaces where there exists a potential for icing, the property owner shall provide photographic evidence for each downspout connected to the sanitary sewer.
- (2) For instances where downspouts are connected to Provide an existing conditions plot plan or topographic survey plan denoting elevations of the existing property and adjacent property. The document shall include sufficient elevation information to demonstrate overland flow patterns. The plan shall include existing pavements as well as stormwater infrastructure including sewers, catch basins, trench drains and manholes shall be shown on the plan.
- (3) The property owner or representative is required to explore reasonable alternatives for downspout disconnections. These alternatives generally include surface grading, swales, underground drainage piping, dry wells, rain gardens, infiltration trenches, grated and/or pop-up emitters and connections to storm sewer systems.
- (4) Provide documentation of the infeasibility of the disconnection for each downspout connected to the sanitary sewer. This shall include written or drawn alternatives with a written narrative explaining the inability to discharge flow.
- (5) Documentation will be subject to review and acceptance of the Building Official, Ordinance Officer, Department of Public Works or their authorized representative.

(e) Any person failing to receive an exemption pursuant to this Section, or any person affected by a decision of the Building Official, Ordinance Officer, Department Of Public Works Supervisor or their authorized representative under this Section may appeal such action or decision to the Appeal Board, which shall have the power to confirm, revoke or modify any decision so appealed, or direct such action as may be appropriate. Appeals shall be made in writing filed with the City Clerk and shall not be considered until payment of an appeal fee is received by the City Treasurer in such amount as may be prescribed by resolution of the City Council. Appeal must be submitted within thirty (30) days of the decision that is the subject of the appeal.

(f) Appeal Board. There is created a board of appeals which will consist of three members appointed by the mayor. One member shall be an employee of the city department of public works, one member shall be an employee of the city engineering firm and one member shall be a citizen resident of the City. The mayor may appoint an alternate member from the department of public works to serve in the absence of a regular appointed member. The terms of office of each board member shall be three years, excepting those members first appointed, of whom each one shall be appointed for terms of one, two, and three years. The alternate member shall be appointed for a term of three years. The terms of office shall expire September 30 of the year and members, other than those first appointed, shall be appointed before October 1 of the year of appointment. Vacancies shall be filled for the remainder of the unexpired term. The first members of the board shall be appointed within thirty (30) days after the effective date of the ordinance creating this board.

(g) Appeal Procedures. The board of appeals shall hear appeals from property owners who have been notified by the City to disconnect their downspouts and who believe that their property should be exempt from the requirements of this Code. The Appeal Board shall meet as needed, but must meet to discuss any pending appeal(s) within thirty (30) days of the appeal's filing date. A meeting shall require three members, or two members and the alternate member, in attendance. The decisions of the board of appeals shall be final. No violation complaints shall be issued while an appeal is pending.

(h) Exemption by hazardous condition. In order for property to be exempt from the provisions of this ordinance related to downspout disconnection, the Appeal Board, by a vote of at least two members of the board, must find that disconnection of each downspout would lead to a hazardous condition, or that the property owner satisfies the criteria for exemption under Section 7-14(c). Hazardous conditions shall be such conditions that would be likely to cause structural damage to an existing building and which are not reasonably capable of correction or of being prevented.

(i) Appeal document submission. The appeal documents submitted by the property owner shall show the lot size, the dimensions of the buildings thereon, the location of the connected downspouts, the cost of removing the downspouts from the sewer system and the reason for requesting an exemption from the provisions of this Code. The property owner must establish entitlement to exemption for each downspout. Any exemption granted by the Appeal Board shall remain in effect until changing circumstances cause the Appeal Board to revoke such exemption. The building inspector shall review the appeal documents and make a recommendation to the Appeal Board.

Sec. 7-15. Illicit Discharges and Connections.

(a) An "Illicit Connection" is defined as either of the following:

- (1) Any drain or conveyance, whether on the surface or subsurface, which allows an illegal discharge to enter the storm drain system including but not limited to any conveyances which allow any non-storm water discharge including sewage, process wastewater, and wash water to enter the storm drain system and any connections to the storm drain system from indoor drains and sinks, regardless of

whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency or;

- (2) Any drain or conveyance connected from a commercial or industrial land use to the storm drain system which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency or;
 - (3) Any drain or conveyance, whether on the surface or subsurface which allows stormwater runoff or groundwater to enter the sanitary sewer system including but not limited to footing drains, downspouts, catch basins, surface runoff regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency.
- (b) An “Illicit Discharge” is defined as any discharge into the municipal separate storm water system (MS4) or watercourses of any material, including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of any applicable water quality standard, and including stormwater discharged from any Illicit Connection as defined above.
- (c) Prohibition of Illicit Discharges and Connections:
- (1) The construction, use, maintenance or continued existence of Illicit Connections to the storm drain system or sanitary sewer system is prohibited.
 - (2) This prohibition expressly includes, without limitation, Illicit Connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection, including under prior versions of the Grosse Pointe Park City Code of Ordinances.
 - (3) A person is considered to be in violation of this ordinance if the person connects a line conveying sewage to the MS4, or allows such a connection to continue.

Sec. 7-16. Enforcement.

- (a) Notice of Violation. Whenever the Grosse Pointe Park Building Department or Public Works Department finds that a person has violated a prohibition or failed to meet the requirements of Sections 7-14 and 7-15 of these Ordinances, the authorized enforcement agency may order compliance by a written notice of violation to the responsible person. Such notice may require without limitation:
- (1) The performance of monitoring, analyses, and reporting;
 - (2) The immediate elimination of Illicit Connections and immediate cessation of Illicit Discharges;
 - (3) That violating discharges, practices, or operations shall cease and desist;

- (4) The abatement or remediation of storm water pollution or contamination hazards and the restoration of any affected property; and
- (5) Payment of a fine to cover administrative and remediation costs.

If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work will be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

(b) Misdemeanor Violation; continuing violation; penalties for conviction.

- (1) It shall be unlawful for any person to violate any provision of this division, and any person failing to comply with any Notice of Violation issued under Section 7-16(a) of this Code within the time limit provided for in the violation notice shall be guilty of a misdemeanor. Any person who violates this section may be issued a misdemeanor violation for each day that the violation continues.
- (2) Any person who is found guilty of violating any provision of this section, including by failing to comply with any Notice of Violation issued under Section 7-16(a) of this Code, or by maintaining any Illicit Connection or engaging in any Illicit Discharge, may be fined up to \$500.00 and sentenced to up to 90 days in jail, or both, for each misdemeanor violation that is issued.
- (3) Any person violating the provisions of this section shall be liable to the City for any penalties, fines, loss, costs, or damage incurred by the City by reason of such violation, including the cost of disconnecting any Illicit Connection.

This ordinance shall take effect _____, 2021