

## Grosse Pointe Park State of the Infrastructure Statement January 2023

The GPP Infrastructure Committee in an effort to better set targets and inform the community intends to provide an overview of our current city Infrastructure status at the beginning of the year, our prioritization short and long term, as well as insight and definitions of some of our systems.

### 2022 In Review

2022 saw an extensive collaborative effort between administration, city employees, committees, outside engineering firms and consultants to overhaul how infrastructure is handled in Grosse Pointe Park. Appreciating the reality that Grosse Pointe Park is a city served by an extensive infrastructure system that was primarily built a century ago, the team is attempting to move to a proactive direction of short and long term optimization and upgrade for the broader system while concurrently engaging in a more robust routine of preventative maintenance. This change in course was dramatically bolstered by the generosity of the residents in adopting a Water/Sewer Millage, which affords the financial basis to move forward.

2022 saw the completion and commencement of several projects, some of which are listed below.

### Financing

The millage gives the city a firm foundation for work going forward. Additionally, the city will continue to aggressively pursue any and all grant money available to us. Historically, demographic realities have impeded some of these efforts, but, the extremely proactive direction that has been taken (reinforced by the millage) helps to further bolster our attempts. We will also engage with philanthropic partners when possible, as the extraordinary generosity of the Grosse Pointe Park foundation in 2022 has shown. Furthermore, we are reorienting our infrastructure financial management by working to better isolate General Operation, Preventative Maintenance, Capital Improvement as well as Emergency Reserves, as well as better separating Water/Sewer. The City hired Baker Tilly who specializes in this work with multiple communities to assist Grosse Pointe Park for financial planning in the next 10 years. This allows for improved asset management and system planning improving efficiency.

### Projects Completed:

**Sewer Mapping, Televising and Cleaning:** a \$900k project, which for the first time attempted to fully map, disposition the 40+ miles of city wide sewer. This also resulted in over 800 cubic yards of debris removal.

**Multiple Alleyway Separations:** Maryland/Wayburn Alley from Mack to Goethe behind the new DPW. Kercheval Alley behind Red Crown, Alley behind Medspa and Alley behind Sprout House, all together this separated about 3 acres of surface.

### **Completion and move in of new DPW building**

### Projects Ongoing:

**Mack Cadieux Water Main:** The first water main rebuild/upgrade since 1985, this also includes lead line mitigation.

**Jefferson Alter Separation:** Separation of critical corridor, reducing infiltration and system strain.

**EERV:** The city has diligently been working on the design as well as with surrounding partners to refine and develop the best possible option to provide protection for residents with minimal impact. Multiple meetings have been held with the Environmental Great Lakes and Energy over the past year working towards a permit, continuously refining the design and modeling, as well as providing numerous supplemental information requests. Ironically a lack of inclement weather has impeded the modeling process but we worked with EGLE to accommodate. We have also taken feedback from the GLWA of the EERV. Engineering and existing pumping and monitoring systems have already been upgraded, including the SCADA system work discussed in previous updates) in anticipation of creating a plug and play installation dynamic, initial critical construction materials have been ordered (The most Time Sensitive Components were ordered at a cost of almost \$130,000 thanks to the generosity of the Grosse Pointe Park Foundation).

**Preventative Maintenance planning:** A more aggressive PM routine is being put in place, this includes a multi-year ongoing sewer mapping and cleaning plan.

**Water Sewer Rate Review and Long term Capital Planning:** Conducting extensive review to address water/sewer rate and budget planning. This is being conducted in conjunction with our long term capital planning review.

**Alleyway Repaving:** Commissioned extensive alleyway repaving work to commence in 2023

**City Website and Communication:** Added Infrastructure to city website, providing monthly updates.

**Downspout Disconnection:** Multiple avenues of contact were made with residents, ordinances have been reworked and DPW has engaged in site visits approaching 35% completion.

## 2023 Goals

This year begins with the city now having a framework for projects moving forward and a funding mechanism in the of the millage. The goal of the infrastructure committee will continue to be to build upon the foundation that we have in Grosse Pointe Park. While there will be particular focus on water sewer infrastructure, we will strive to build up and improve the infrastructure across the city, including roads and sidewalks, cellular service to residents to the delivery of and communication of city infrastructure services.

### Sewers:

**Reduce Infiltration**, by continuing to separate sanitary/storm where connections increase, continue inventorying sewers and studying flow in order to locate deficiencies or areas suitable for upgrade.

**Expand Capacity**, by mapping out and continuing to clean out the pipes, as well as studying flow rates to reduce bottle necks and expand key interchanges.

**Improve Discharge**, by continuing to expand preventative maintenance and maximizing pumping capacity through additional upgrades, as well as evaluating potentially adding more pumping, the EERV is a critical component of Discharge.

**EERV:** Having the Extreme Emergency Relief Valve in place is the top priority capital project of the city. This project provides the city a critical safety net, giving us an emergency option to allow city-controlled discharge of sanitary in the case of a massive rain event and downstream failures. This is a critical protection for not only our residents but will also take stress off GLWA and neighboring communities in such an event.

### Water Mains and Lead Line Replacement:

**Short and Long term Upgrade/Replacement Planning**, 2022 saw the commencement of the first major watermain replacement in several decades and this is also concurrently replacing identified lead lines. We have now broken the city into districts and are gathering our data to identify a combination of the highest watermain break vulnerability as well as the largest lead line concentration. In order to be as efficient as possible with millage dollars we will try to maximize project impact by consolidating work into single digs and not ripping up the road or easement again after a project has been completed. This program of replacement is going to be a 10+ year endeavor. Our goal this year will be to outline the expectation of the next 1-3 years of watermain replacements as well as structuring the longer-term targets as well. The speed at which we can impact this will be dictated by dollars, while establishing a firm plan, we will have additional projects that can be slotted in, this will be dictated by both the cost of projects and finding greater efficiencies as well as if we can secure additional dollars through grants and subsidies.

### Roads and Alleyways:

**Improving Citywide Rating**, The current city wide PASER rating is in good shape. We will however continue to be proactive; we have adopted a more aggressive stance on alleyways and will continue to do so. In the coming year we are also reviewing pricing of improving municipal lots, pending being able to consolidate the work with other paving in order to bring down cost.

### External Efforts

**Cooperation with Regional Utilities**, We are working closely with our regional utilities to improve service and reliability for residents as well as getting the most efficiencies out of dollars spent as well as pursuing financial incentives. Water: this means ongoing efforts with GLWA to ensure we are appraised of their system capacities and maximize both of our respective systems. Electricity/Gas: we will continue working with DTE to try and minimize disruptions as well as working to improve friendly and transparent service all while pursuing financial incentives, DTE went through an extensive program of tree trimming and provided upgrades to several of their power poles in the community. Cell service: we are working to improve coverage throughout the Park.

**Cooperation with Neighboring Jurisdiction**, Water sewer and aging infrastructure upgrades are a state wide phenomena, as are unfunded mandates. We will continue our outreach to our neighbors, state authorities and our legislative representatives. Any efficiencies to be found in regional solutions will be explored, as well as engaging the state as a unified voice, however, independent of our neighbors, GPP will always strive to be proactive on issues of our own infrastructure.

### Communications:

**Website and Communicator**, We are going to continue to build on the work that we have already done on the website. Our end goal is to streamline user interface so we have better cooperation between residents and city officials. It isn't just about getting information to and from residents but also ensuring that it is consolidated and catalogued to better improve not just the experience but the impact it can have on driving DPW work and response. Additionally, we are committed to keeping residents appraised of how the water/sewer millage is being utilized, with regular monthly updates on any capital projects, as well as an end of year report outlining our major expenditures and the remaining balance.

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## **Grosse Pointe Park Infrastructure General Updates and Status Report February 2023:**

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### **EERV**

Further productive meetings were held with EGLE. EGLE has made some additional recommendations on minor Standard Operating Procedure adjustments as well as slight engineering adjustment to ensure ease of maintenance. The requests have been adopted into the design and plan, this is in conjunction with all of the modeling data that has been requested and supplied.

### **Jefferson Separation**

Engineering survey has been completed. Utility requests have been sent and responses received. We are developing the base plans and starting design for utility crossings at Jefferson Avenue, the project is proceeding at pace.

### **Mack Water Main Work**

Project is proceeding, some material delays have been experienced specifically on hydrants, but adjustments have been made and the project continues as planned.

### **Sewer Scoping/Clean Out Report**

We are awaiting additional bids for our ongoing scoping and clean out of city sewers, we are in the process of acquiring bids that also consider a multi-year ongoing scoping/clean out plan, to finish completely mapping the system as well as ongoing cleaning breaking the city down into regions.

### **Disconnections and System Drying**

St Clair Montefalco has gone out to bid with their large lot separation project with cost estimates coming soon. Additionally, they are doing additional internal building separations, all of this with a goal of completion before the upcoming school year.

### **Preventative Maintenance Planning**

To better continue our work of a more robust preventative maintenance routine. Work has started with DPW to overhaul GPP Preventative Maintenance Scheduling Documentation. Over the year we are working with various personnel to overhaul how our Preventative Maintenance work is documented and scheduled, to have a better framework going forward.

### **DPW Building**

DPW staff is operating out of the building, major equipment and material expected to be moved out on the 13th. The official opening and dedication should be happening sometime at the end of February.

### **Utility Communication**

City continues to engage with various utility suppliers to communicate resident concerns. Progress is also being made on potential cellular upgrades, as potential options become finalized in coming months look for more updates.

### **Upcoming Meetings**

We are working to confirm the date for all parties on our next infrastructure meeting, but expect it to be end of February, possibly the first week of March.

## **Grosse Pointe Park Infrastructure General Updates and Status Report March 2023:**

Here are some bullet points of current projects, work and planning is not limited to this.

### **Infrastructure Committee**

A meeting was held on February 28<sup>th</sup>, we will hold to our normal schedule and plan for our next meeting in the upcoming quarter, however, this is subject to change if an earlier meeting is advisable.

### **DPW Building**

DPW building is being fully utilized, a community open house is being planned and dates will be forthcoming.

### **EERV**

With the permit in hand and approval to proceed from council, we have the project out to bid. We continue to receive feedback, and also have identified other parallel upgrades to the broader system; inlet, outlet, pumping capacity, monitoring, etc. that we will have at the ready if the data as well as financials allow.

### **Mack Water Main Work**

Final phase is beginning, some lane Closures have been implemented, material is being delivered and mains will be getting installed during the month of March.

### **Sewer Scoping/Clean Out Report**

We are awaiting additional bids for our ongoing scoping and clean out of city sewers, we are in the process of acquiring bids that also consider treating this as an ongoing multi-year option, this is to finish completely mapping the system as well as maintenance and cleaning.

### **Preventative Maintenance**

DPW and our electrical department has been diligently working on drafting a new concerted and thorough preventative maintenance schedule, this is also coupled with working to better document and log much of the operational institutional knowledge.

Annual pumping station and wet well maintenance is proceeding along, some minor delays have been incurred with the repeated rain storms however, no major concerns are being discovered, and we are still on pace for systems to be well prepared for the spring.

### **Sustainability/Utility Update**

The city has been engaged in ongoing efforts to identify potential energy savings. Meetings are being held with contractors and suppliers evaluating the potential benefits of overhauling our street lighting system. We are evaluating options, but there are compounding benefits, this would reduce energy usage achieving sustainability goals, and reduce maintenance which both would represent savings to the city. Additionally, at an upcoming meeting with DTE the city will be discussing resident power outages, pressing on electrical grid maintenance/tree trimming by DTE to protect service.

### **Alley/Road Projects**

City looking to package alleyway paving along Kercheval that was delayed last year due to labor/material constraints with potential city hall parking lot resurfacing. Furthermore, we are investigating with Grosse Pointe City to do a joint repaving of the lower half of Cadieux.

### **Downspouts**

Downspout inspection is now tied to Certificate of Occupancy, DPW has physically undertaken 40-50% inspections. We will continue to work to encourage residents to disconnect, wherever possible/feasible.

### **Meetings with Legislatures**

City Administration and elected officials have been holding meetings with our representatives and infrastructure has been identified as a major community wide concern. We have been articulating Grosse Pointe Park's concerns about receiving low prioritization to many traditional grants, drinking water revolving fund is a good example, however, our proactive posture is being acknowledged, as well as our community efforts having positive impacts up and down stream. Our proactive posture also puts us ahead of other communities with many active and shovel ready projects already prepared, we will continue to communicate and push in order to elicit grants and state support.

## **Grosse Pointe Park Infrastructure General Updates and Status Report April 2023:**

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### **EERV**

The EERV construction has been approved and kicked off via special meeting on April 6th. Bidding was received from multiple potential contractors, unfortunately inflation in material and labor as well as the scope of the work did result in higher than estimated quotes. The EERV was always viewed as a lynchpin for our long term infrastructure plans and despite estimate overruns the team was diligently working on ways to proceed. However, Grosse Pointe Park is extraordinarily fortunate that the philanthropic community has again stepped in to support our efforts, and through an amazing gift from the Cotton family we were able to proceed with the project without delay. Ground Breaking on the EERV is scheduled for this summer.

The Infrastructure Committee wants to again state our appreciation for the support of all of Grosse Pointe Park and the philanthropic community in particular the Grosse Pointe Park Foundation and Sean, Jon and Shery Cotton. The support goes beyond just financial, the seriousness of our residents and the broader city to take long term infrastructure and capital improvement earnestly has been observed and commended by our peers and the state of Michigan. It is not an understatement to say that our permit approvals and the traction we have been getting with our legislators is aided in large part because they see how our community has been working so diligently on proactive long term infrastructure improvement. Again, a big thank you to the Grosse Pointe Park community.

### **DPW Building**

DPW building is being fully utilized, a community open house is being planned and dates will be forthcoming, we are hoping to conduct the open house during the first weeks of May.

### **Mack Water Main Work**

Water Main installation is complete, pressure leak testing has been conducted. Installation went smoothly and system checks have worked so restoration is underway and should be completed by the time of our April City Council meeting.

### **Sewer Scoping/Clean Out Report**

The proposal for Pipetek to continue cleaning, mapping and optimizing our systems is being completed and should be presented to council at the next meeting for authorization.

### **Sustainability/Utility Update**

Further meetings have been held with DTE. GPP is awaiting cost updates from DTE to engage in an overhaul of the street lighting system that will yield annual savings and improved service. There is currently an inventory of our street lights being conducted in order to put forward a proposal to council in the future.

Meetings have been held with DTE regarding the repeated power outages faced by residents this winter. Resident and city concerns have been escalated to managing engineering at DTE.

### **Downspouts**

We continue to encourage residents to review their downspouts. Downspout inspection is now tied to Certificate of Occupancy, however, if a resident has questions or is looking for feedback please contact DPW and they can assist. All disconnections continue to assist the city in drying out the broader system and the cumulative effect can be substantial.

### **DTE**

Has been conducting some underground electrical upgrades specifically for street lighting, current work is in the vicinity of Jefferson and Cadieux.

## **Grosse Pointe Park Infrastructure General Updates and Status Report May 2023:**

Here are some bullet points of current projects, work and planning is not limited to this.

### **Cadieux Resurfacing**

City council has approved a joint project to repair and resurface the stretch of Cadieux from Jefferson and Kercheval. This co-operative effort sees Grosse Pointe City carrying the bulk of the cost for the repair.

### **DPW Building**

The tentative DPW building open house date is Monday May 22<sup>nd</sup>. Specifics to follow.

### **Sewer Scoping/Clean Out Report**

The proposal for Pipetek to continue mapping, cleaning, repairing and optimizing the sewer system has been finalized and budgeted for. City council will be voting at the May council meeting to approve and move forward with this work.

### **Clean Water Revolving Fund Application**

In the ongoing effort to pursue grant money and support, GPP has approved application to the CWRP for a low interest loan. This does not mean we will take the loan if it is approved, however, it is an excellent financial vehicle that could greatly benefit the city. It represents a below market rate loan that may also be eligible for forgiveness. It could allow us to move up our timeline on necessary work, and considering the large gap between the rate of inflation and the low rate of the loan (even without forgiveness), it would represent a windfall of funds. The city is requesting confirmation that we can use millage income to cover potential loan payments. Again, this doesn't mean we would accept the loan if the application is approved, but we will pursue all financial tools at our disposal and then conduct thorough cost benefit analysis.

### **EERV**

Contractor is securing materials and preparing for the construction start date this summer. In the interim GPP and engineering continue to review the broader system as well as the discharge mechanics to find additional opportunities to insulate residents in the event that the EERV is utilized.

### **DTE**

City administration continues ongoing discussions with DTE on several fronts. Inventorying and evaluation of our city street lighting system continues at pace, the expectation of this project is addressing multiple priorities in one program: better service, reduced energy usage and financial savings. The city also awaits more feedback from the escalation of our concerns regarding the strength of our grid vis a vis the multiple power outages faced by residents in the previous season.

## **Grosse Pointe Park Infrastructure General Updates and Status Report June 2023:**

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### **Pumping station Preventative Maintenance, Storm Preparation**

Both pumping stations have undergone Preventative Maintenance checks in anticipation of storm season:

**Jefferson Station:** Completed switch gear, transfer switches for generator, transformers, and battery system review

**Patterson Station:** Pump review, switch gears review, and auto throw transfer reviews. Initial Pump motor review completed, with an additional full electrical review of pump motor windings to occur later this year.

Additionally, a proposal for the Jefferson pumping station windows is being worked on and may be ready for the June meeting(the original station windows are still in place).

### **St Clair Montefalco separation and water main**

The city met for a preconstruction meeting with St Clare of Montefalco's rebuild of the parking lot which will separate the sewer as well as the commensurate water main replacement; work is expected to commence this June.

### **Cadieux Resurfacing**

Tentative timing for the project initialization is later this summer.

### **DPW Building**

DPW open house was a great success, credit to all those involved over the years on the move and opening.

### **Surface Re-Pavements and Pursuit of Efficiencies.**

Alleyway re-pavements that faced delays due to material and labor are being reviewed and are now in the pipeline, the positive in this is that we are now able to bundle additional repaving work into a broader package that is expected to unlock some savings thanks to scope and scale. The targeted areas include city hall parking.

### **Sewer Scoping/Clean Out Report**

Pipetek is preparing to continue scoping/mapping/cleaning work on GPP sewers, tentative commencement is targeted for July.

### **Grant Applications**

Multiple Grant Applications have been submitted, including Drinking Water and Clean water revolving fund. The city will continue to diligently pursue supplemental resources in the hopes of accelerating our timeline of infrastructure repair and upgrades.

### **EERV**

EERV construction appears to be on time, we have not been subjected to any delays on material or construction that we are aware of. Preconstruction meeting in June. We also commit to ensuring residents are well apprised of the status and have ample notice regarding commencement of any excavations.

## **Grosse Pointe Park Infrastructure General Updates and Status Report July 2023:**

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### **Pumping station Maintenance:**

**Jefferson Station & Patterson Station:** Wet well clean out has been completed.

Window replacement has been approved, a much-needed replacement on the original windows, will better protect the station as well as greatly improving energy efficiency.

### **Storm system Performance:**

June 13<sup>th</sup> saw a large storm event, a hailstorm coupled with extreme precipitation. The pumping station operated well. This was the largest rain event experienced in two years, and as such provided useful data for the broader system. Due to the extreme hail and massive amount of debris dumped onto road ways, there was a lot of obstruction to drains, which resulted in some sections of roadways flooding. In this circumstance, drains should be cleared (and be aware, that the suction can result in drains clogging several times), residents did an excellent job of helping to clear drains. DPW was engaged responding to areas of concern and working to keep water moving throughout the city. As is always the case, if residents have questions or concerns with the system or how it impacted their homes, please contact DPW.

### **Sewer Asset Management:**

We are now moving into our next phase with the implementation of sewer asset management. Much as we have been doing with the water mains, we are now consolidating the data we are acquiring through the scoping work to allow for long term planning and prioritization of sewer work, repair and replacement. This allows us to coordinate with millage and grant money for multi-year long term phased in planning.

### **St Clair Montefalco separation and water main**

Pre-construction meeting with St Clare of Montefalco's rebuild of the parking lot which will separate the sewer for the parking lot as well as the commensurate water main replacement have been completed; expected commencement is mid-July.

### **Surface Re-Pavements Alleys and City Lot**

The projects are currently out for bid, with any luck this will be voted on at the July meeting.

### **Sewer Scoping/Clean Out Report**

Pipetek is commencing their continued scoping/mapping and cleaning of city sewers.

### **Kercheval Resurfacing**

Pre-construction meeting has been conducted; work should be underway at the time of the next city council meeting.

### **Kercheval Business District Parking**

Parking lot construction commenced June 26, this will be ongoing this summer, but the city will continue posting notifications and updates to any impacts on roadways or access to parking.

### **EERV**

Pre-construction meeting completed. Project is on track, as soon as firm construction dates are available the city will work to inform residents through several avenues, as well as to post and communicate any obstructions to Patterson Park's parking lot and entrance.

The city is also investigating some modifications to the discharge, to further improve functionality and protection to residents.

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### **July 26<sup>th</sup> Storm Recap**

Southeastern Michigan faced a tremendous storm on July 26<sup>th</sup>, that resulted in power outages for more than 130,000 DTE customers as well as major wind and storm damage throughout the Grosse Pointes. First and foremost a big thank you to the DPW team, they worked diligently, before, during and after the storm to protect our residents.

In anticipation of the storm a meeting was held with GLWA, EGLE and regional partners to anticipate potential flooding and the preparations and response/action plans. GPP Pumping operated as intended throughout the storm.

DPW partnered with neighboring communities to address the damage and brought in supplemental crews and equipment to clear areas of Grosse Pointe Park out as quickly as possible for residents. In fact as of Monday August 7<sup>th</sup>, we have produced at least 1500 yards of chips (the equivalent of 15,000 wheelbarrows of wood chips).

### **Construction Updates**

Kercheval: The curb work will soon be completed; the backfilling of roadway is underway. Some of the delay was the discovery that the underlying road needed more substantial repair than was anticipated from the initial coring. However, the contractor should still be compliant with the contracted completion (and if not, penalties will be applied).

Business District Parking and Alleyway: Lots are coming together, they are graded, Maryland alley connection is complete, and entrance and exits are completed.

City Hall Parking Lot: On schedule, should begin on the 15<sup>th</sup> of August. We are working on scheduling the Alley connections to minimize garbage day disruptions. The entire project should roughly 6 weeks (weather permitting).

EERV: Pre-Construction is completed; the full site surveys have been completed, materials are being consolidated and construction should be underway end of August beginning of September. The city is committed to a multi-faceted communication plan to inform residents of the work and any impacts on the park, both through resident postings, social media as well as information at the guard house.

St Clair Montefalco: Water Main installation complete, this is including pressure testing, sewer connection happening week of the 7<sup>th</sup>.

Jefferson Pump Station: Window replacement is underway, should be completed end of August.

### **Sewer Scoping and Cleaning**

Sewer Scoping is presently underway on the south side of Jefferson, 75% of the planned seasonal sewer root control treatments have been completed as of this update.

### **DTE Update**

Multiple communications have been held with DTE. They have committed to sending an upper management representative to an upcoming open meeting. Furthermore, the city has been consolidating information and feedback from residents to convey the biggest areas of concern as well as the urgency from the community for improvements and a clear action plan from DTE.

### **Legislators**

The mayor, mayor pro-tem and city manager have held meetings with Speaker Tate's, Senator Hertel's and Senator Peter's offices. We continue to stress our interest in broader regional driven infrastructure engagement and region-specific solutions. We believe pro-active communities such as Grosse Pointe Park should see more incentives for the work we are already engaged in. While we have had an aggressive push pursuing grants, we are generally at a scoring disadvantage relative to our peers in pursuit of grant dollars, but despite this we have shown commitment to infrastructure development and would like to see support for our actions.

### **Water Sewer Asset Management:**

We continue consolidating data from the asset management studies, DPW direct work, resident input and scoping. We are mapping out the areas of greatest need and are working out our 2024 schedule capital repair/upgrade schedule. Additionally, we are looking to consolidate multiple sections and if we can garner savings and efficiency we hope to consolidate and pull together into a larger multi-year construction block.

## **Grosse Pointe Park Infrastructure General Updates and Status Report September 2023:**

Here are some bullet points of current projects, work and planning is not limited to this.

### **DTE Townhall Sept 13 5-7pm Tompkins Center**

Detroit Edison has committed to hosting a town hall event to discuss Utility issues, future work and to hear concerns from residents. This event will be held from 5-7pm at the Tompkins center on September 13.

### **Capital Improvement Plan**

Grosse Pointe Park continues to develop and build out a long-term capital improvement plan. Per previous meetings and postings, this is an ongoing dynamic process being informed by the asset management study, data from the sewer scoping and televising program, direct work and feedback from public works, the engineering team and city administration. The scope of the CIP will be substantial but we will try to roll out information in phases to keep residents better apprised of planning as it is built out. The intention is to have a tiered list of projects and needs, short, mid and long term, this will allow us to provide transparency, but also to have shovel ready projects should financing become available or if market conditions change dramatically. To that end we have been working on our 2024 water sewer priorities, we are planning on further sewer cleaning/scoping work, additional sewer upgrades and separation on Jefferson and we are currently evaluating several sections of watermains to determine the section of 2024 water main/lead line replacement as well as the next grouping to be following immediately afterward.

Additionally, the CIP plan also includes breaking the city into zones and then providing annual maintenance lists for the more general and rotating infrastructure and maintenance needs so residents can better anticipate work.

### **EERV**

Construction is slated to begin the week of the 18<sup>th</sup>.

### **Road Work and Parking Lot**

Kercheval paving is in the final stages and should be completed before Labor Day. Furthermore, the city will receive delay penalties from the contractor.

City hall parking lot is underway, despite some delays from the inclement weather, we are still on schedule.

### **Water Main Breaks**

A dramatic fluctuation in water pressure coming down the line for GLWA unfortunately resulted in a series of water main breaks during the month of August. DPW responded and conducted location repairs, as well as putting out updates on Nixle and social media. While many residents were faced with discoloration of water due to sediment, the water was safe. DPW and city administration will continue to work to keep residents updated and while the breaks were difficult for residents, the data from them is informing the CIP as we continue to build out our long-term water main replacement plan.

### **Sewer Scoping and Cleaning**

Root Treatments for this year's cycle have been completed, the focus is now two-fold, ongoing cleaning and optimizing of the pipes and filling in the map of the areas which were not fully accessible during the previous round of work. This will take time, as access in some areas continues to be difficult with unidentifiable manholes on resident property, however, the model is making progress and will keep building out over time.

### **Regional Water Sewer Improvements**

Water Sewer is a regional challenge and the work being conducted by individual communities will impact those around them. Proactive work has a big cascading impact and the recent announcement of Macomb County regarding the construction of a retention basin will have a positive impact on Grosse Pointe Park and our neighbors.

<https://www.candnews.com/news/chapaton-retention-basin-projects-aim-to-improve-water-quality-3220>

GPP continues engagement efforts with Michigan legislators to further our and regional water improvement goals.

## **Grosse Pointe Park Infrastructure General Updates and Status Report October 23:**

Here are some bullet points of current projects, work and planning is not limited to this.

### **Curbside Leaf Pickup**

Curbside leaf pickup begins Monday October 16<sup>th</sup>.

### **Road Work and Parking Lot**

Cadieux Road from Kercheval to Jefferson is undergoing a complete resurfacing project funded in large part by funding through a grant with the Michigan Department of Transportation (MDOT). Work will consist of various sanitary and storm sewer repairs and the removal of replacement of the top 3.5-inch layer of asphalt. Completion is expected in late November.

### **EERV**

Construction is underway. The route to the pumping station necessitated some tree removal, but there is ample landscaping budget allocated in the project. Construction is proceeding well and according to schedule. The administration will post updates and will try and provide ample notice of any park access issues.

### **Grant Application**

The 2024 EGLE Drinking Water State Revolving Fund funding plan has been released, unfortunately, Grosse Pointe Park was not awarded any funding. As has been previously stated, financial and demographic realities make grant funding for GPP challenging, however, the city continues to make efforts to pursue all opportunities. In fact, GPP had more applications this cycle than the other Grosse Pointes combined.

### **Upcoming Water Main Replacements**

Water Mains are the most pressing infrastructure need after flooding protection and with the sewer work that has been done and continues to be underway, the CIP is laying out long term Water Main work. With the Water Sewer Millage the city is undertaking replacements, with two sections having been completed in the last year (the first sections replaced in GPP since the 1980s). Multiple sections of high priority water main replacement have been identified and after evaluation a recommendation is coming to council for a 2024 replacement of a section of Beaconsfield, a section of Maumee is being targeted next. A minimum target of 3% of water main replacements a year is the goal, if additional funds become available or market conditions change that will be accelerated and adjusted. Multiple factors go into prioritization of sections of water mains such as project cost, concentration of lead lines, water losses, repair costs, overall user service quality and buildout location. Recall that the Mack Water Main section was identified as the biggest area of water loss to the city and necessitating the most frequent repairs, so it was the first section replaced.

By having multiple sections of water main being evaluated together this sets up multiple shovel ready projects, the prioritization can be adjusted dynamically based on the market and current system performance, all of which helps the goal of the most efficient allocation of funds.

### **DTE Townhall Sept 13 5-7pm Tompkins Center**

Detroit Edison came with a large group (over a dozen DTE personnel) setting up kiosks representing the various circuits, their communications team, their forester and numerous engineers, in addition to representation from Senator Hertel's office. DTE went through and tried to answer resident questions and concerns. Additionally, the city administration and infrastructure team are working to engage DTE to improve communication, updates and scheduling as well as to get better information and transparency on DTE's infrastructure upgrades and improvements. This dialogue is ongoing and we have additional meetings upcoming.

Infrastructure wants to also acknowledge, in addition to the work of the city manager and mayor facilitating this dialogue and event, there has been a great deal of outreach and work by residents. Community letters had a big impact getting the attention of DTE. Mr. Charles H Brower II also deserves recognition for his efforts. Mr. Bowers has been determinedly advocating on behalf of residents and reaching out to industry and governmental contacts to get more attention to our challenges. This type of engagement is a huge help to city efforts, and it also exemplifies what an extraordinary community we are blessed to have in Grosse Pointe Park.

## **Grosse Pointe Park Infrastructure General Updates and Status Report November '23:**

Here are some bullet points of current projects, work and planning is not limited to this.

### **Street Light Upgrade**

DTE has begun the changeover of our streetlights into uniform efficient LED lighting. So far the MACK corridor has been the first area for replacement and DTE is currently projecting to have the entirety of the street light system changed by the end of the year. This project will accomplish multiple city objectives, it is a massive sustainability accomplishment tremendously reducing energy usage, it will result in a major ongoing annual budgetary savings (the project pays for itself in about a year and a half and then has substantial annual savings) and more uniform lighting will be a benefit to the safety of residents and will be a big aid to public safety and their ability to do protect us.

### **Road Work**

The first half of Cadieux roadwork has been completed, there have been a few material delays, but the contractor is still projecting the project completion during November. The city has been made aware of residents' concerns about congestion and roadway crossings. Public Safety and Public Works reviewed with the contractor and Grosse Pointe City and will implement the following measures: Adding signs of "No Through Traffic" to be placed northbound on Harvard, a Public Safety Traffic Detail and contacted Beaumont to remind workers about traffic plan and the use the alternative route of Yorkshire instead of Harvard.

### **EERV**

The major excavation work is on schedule and should all be completed in November; the major restoration work will be conducted in the beginning of 2024. The administration has posted some updates and photos, the magnitude of the project is impressive but has been proceeding well (the access to the well required a 4' thick section of concrete to be cut out, which was very impressive in itself)

### **Sewer Scoping**

Heavy Cleaning and scoping are currently underway (should be completed by the time of the next council meeting) south of Jefferson on multiple streets along Essex. The sewer televising page has a regularly updated map: [www.grossepointepark.org/departments/public\\_works/sewer\\_televising\\_program.php](http://www.grossepointepark.org/departments/public_works/sewer_televising_program.php)

### **Defer School Direct Water Feed Proposal**

An aspect of our capital planning has been to identify areas of improvement and future capital projects beyond just replacing old pipes. Adding resiliency to our broader system has been a focus of that work and an opportunity we had identified was for a dedicated water feed to Defer school as a future project for Grosse Pointe Park. This project was seen as something to be done further down the road, but, due to the recent school closure due to water supply, DPW, Administration, Engineering and the Infrastructure Committee held discussions and reviews and it is believed that there is an opportunity to integrate the installation of a dedicated water main to Defer school during the Beaconsfield water-main replacement next year, while still being in line with the anticipated Water/Sewer expenditures for the year. The numbers are being finalized and residents can expect a proposal at a forthcoming council meeting.

### **MPSC Meeting Regarding DTE Service**

In the ongoing effort to try and improve resident utility service, a meeting was held with a large team of representatives from the Michigan Public Service Commission. The intention here is to ensure that GPP concerns and the service experience of residents as well as city services are being heard as well as to better understand the work being done by DTE. We are trying to foster better communication between all parties with the end goal being more DTE investment in aging infrastructure serving our residents, better transparency in DTE work, better responsiveness to residents as well as our department of public works.

### **Great Lakes Water Discussions**

There have been ongoing discussions with GLWA, from engineering, administration, and the mayor regarding service to our residents and the challenges that have been posed by water main breaks. We continue to work with GLWA to try and improve the current service but are also investigating potential engineering options to help support the service to residents.

## **Grosse Pointe Park Infrastructure General Updates and Status Report December '23:**

Here are some bullet points of current projects, work and planning is not limited to this.

### **Street Paser Ratings**

The updated PASER rating (the quantified paved road evaluation rating) has been released for this year. The city infrastructure website posts PASER maps ( <https://www.grossepointepark.org/infrastructure/index.php> ). GPP ratings are strong, however, the rating system is informing us of the areas of highest need for paving over the coming years.

### **Road Work and Parking lots**

The Cadieux road pavement has been completed on schedule.

The City Parking Lot is completed, but there is some minor work being done to improve drainage, this is, however, all covered within the contract.

### **Snow Plowing Update**

DPW is prepared for the Michigan Winter, salting supplies are on hand and equipment is prepped and in good condition. It is important for residents to be aware that during and in anticipation of storms, please work to keep roadways clear of parked vehicles so Public Works can better clear lanes of snow and ice.

### **Water and Sewer Asset and Reliability Studies:**

The Sewer Asset Management Plan is anticipated to be completed in December and will be presented to the city council at the beginning of next year.

Grosse Pointe Park is required to conduct a Water Reliability Study, which we are planning on kicking off and conducting in the latter half of 2024.

### **CIP**

GPP has been consolidating a tremendous amount of data from engineering, direct work through DPW, financial analysis, construction/material feedback and ongoing studies. With this information the administration is working to present a 6-year CIP framework to the planning commission in January, which from there will then go to City Council. This foundation will all be built upon as the city continues mapping out longer term planning, while still making dynamic adjustments to best serve resident needs while being as financially efficient and prudent as possible. The targeted annual mapping of projects for residents is also being developed and this will all compound information and planning for the community.

### **EERV**

Project is proceeding very well and within budget.

### **Sewer Scoping**

Great progress has been made on sewer cleaning, numbers are being consolidated and quantified updates on the work done will be presented in the year end infrastructure update, as always, the sewer televising page has a regularly updated map:

[www.grossepointepark.org/departments/public\\_works/sewer\\_televising\\_program.php](http://www.grossepointepark.org/departments/public_works/sewer_televising_program.php)

### **Grants:**

Clean Water and Drinking Water Fund allocations have been set by Michigan, Grosse Pointe Park unfortunately was not awarded any funding, regardless we are filing the intent to apply for the upcoming year.

The city is working on the application for Wayne County Road grants for further work on Kercheval.

### **GLWA Reliability Partnership:**

GPP continues to work on coordinating with GLWA to build out and improve Water Sewer resiliency for residents. Additional resiliency projects are in discussion including a potential partnership on more safety systems at Jefferson pumping station.

### **Infrastructure Quarterly Meeting:**

The quarterly infrastructure meeting will be held December 13<sup>th</sup> at 430 in City Hall.