

Agenda Including Addeds

Environmental Stewardship and Action

Community Advisory Committee

4th Meeting of the Environmental Stewardship and Action Community Advisory Committee

November 2, 2022, 3:00 PM

Advisory Committee Virtual Meeting - Please check the City website for current details

The City of London is situated on the traditional lands of the Anishinaabek (AUh-nish-in-ah-bek), Haudenosaunee (Ho-den-no-show-nee), Lūnaapéewak (Len-ah-pay-wuk) and Attawandaron (Add-a-won-da-run).

We honour and respect the history, languages and culture of the diverse Indigenous people who call this territory home. The City of London is currently home to many First Nations, Metis and Inuit people today.

As representatives of the people of the City of London, we are grateful to have the opportunity to work and live in this territory.

The City of London is committed to making every effort to provide alternate formats and communication supports for meetings upon request. To make a request specific to this meeting, please contact advisorycommittee@london.ca.

	Pages
1. Call to Order	
1.1. Disclosures of Pecuniary Interest	
2. Scheduled Items	
2.1. 3:00 PM - Kyle Chambers, Division Manager, Sewer Engineering - Overflows, By-passes and the Current Strategy to Reduce the Overflows and By-passes	
a. <i>(ADDED) Staff Presentation</i>	2
2.2. 3:30 PM - Representative, Municipal Compliance - Pollinator Gardens and Naturalization Projects	19
3. Consent	
3.1. 2nd Report of the Environmental Stewardship and Action Community Advisory Committee	20
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5. Items for Discussion	
6. <i>(ADDED) Deferred Matters / Additional Business</i>	
6.1. <i>(ADDED) Council Resolution</i>	26
7. Adjournment	



Sewer Bypasses and Overflows



Date: November 2, 2022
Presenter: Kyle Chambers, P. Eng.
Division Manager, Sewer Engineering

Definitions

Overflows:

- release of untreated wastewater to the environment.
- can occur in our sewer collection system, at pump stations, or treatment facilities.

Bypasses:

- diversion of wastewater around part of the wastewater treatment process most often within a wastewater treatment plant.



What Causes Overflows/Bypasses?

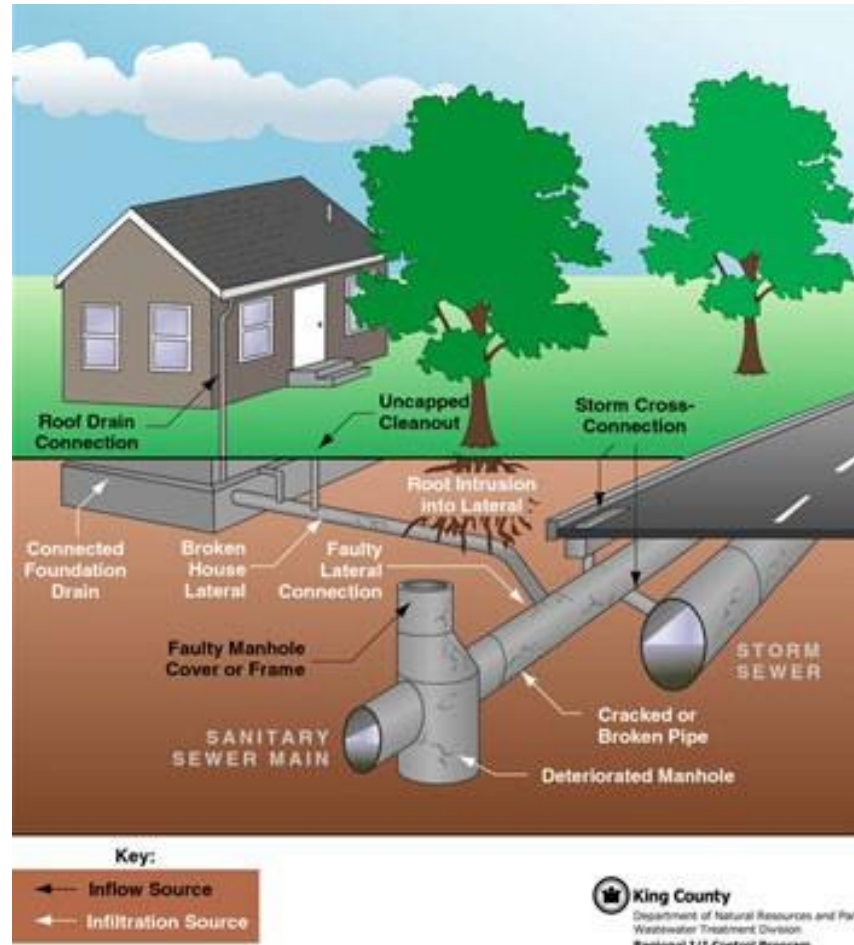
Most common cause: stormwater entering the sanitary sewer system, increasing flows beyond capacity. Otherwise known as 'Inflow & Infiltration'.

Inflow: stormwater flow into sanitary sewer via direct connection (e.g. combined sewers, weeping tile connection).

Infiltration: stormwater or groundwater into sanitary sewer via indirect connection (e.g. cracks in pipe).

This is '**unwanted**' water in our sanitary sewer system.

Inflow and Infiltration



What Are We Doing?

- Because there are multiple sources of this unwanted water, multiple approaches are needed.
- Many of the plans and initiatives are interconnected





Pollution Prevention Control Plan (PPCP)

- Multi-year master planning project to provide long-term solutions to address conveyance system sewer overflows and bypasses
- Identifies highest priority overflow points for management based on frequency and volume of overflows
- Recommendations of the PPCP include considerations for climate change, data management, capital works, and removal of inflow and infiltration at the source.
- 2023 PPCP Update: currently in process to engage consultant to undertake master planning update report



Domestic Action Plan – Combined Sewer Separation

- Highlights projects completed that reduce discharge of phosphorous to the Thames; includes replacement of combined sewers and managing the highest priority overflows as identified in PPCP
- Original DAP goal was to separate 80%, or 17km (from 2008 quantity of 21.25km) of the combined sewer system by 2025; however, that relied on senior level government funding which did not materialize.
- City remains committed to combined sewer separation.



Combined Sewer Separation – Past 5 Years

Year	Length Removed	Total Combined Sewer Remaining
2018	1,022m	16.5km
2019	600m	15.9km
2020	303m	15.6km
2021	1,428m	14.2km
2022	904m	13.3km

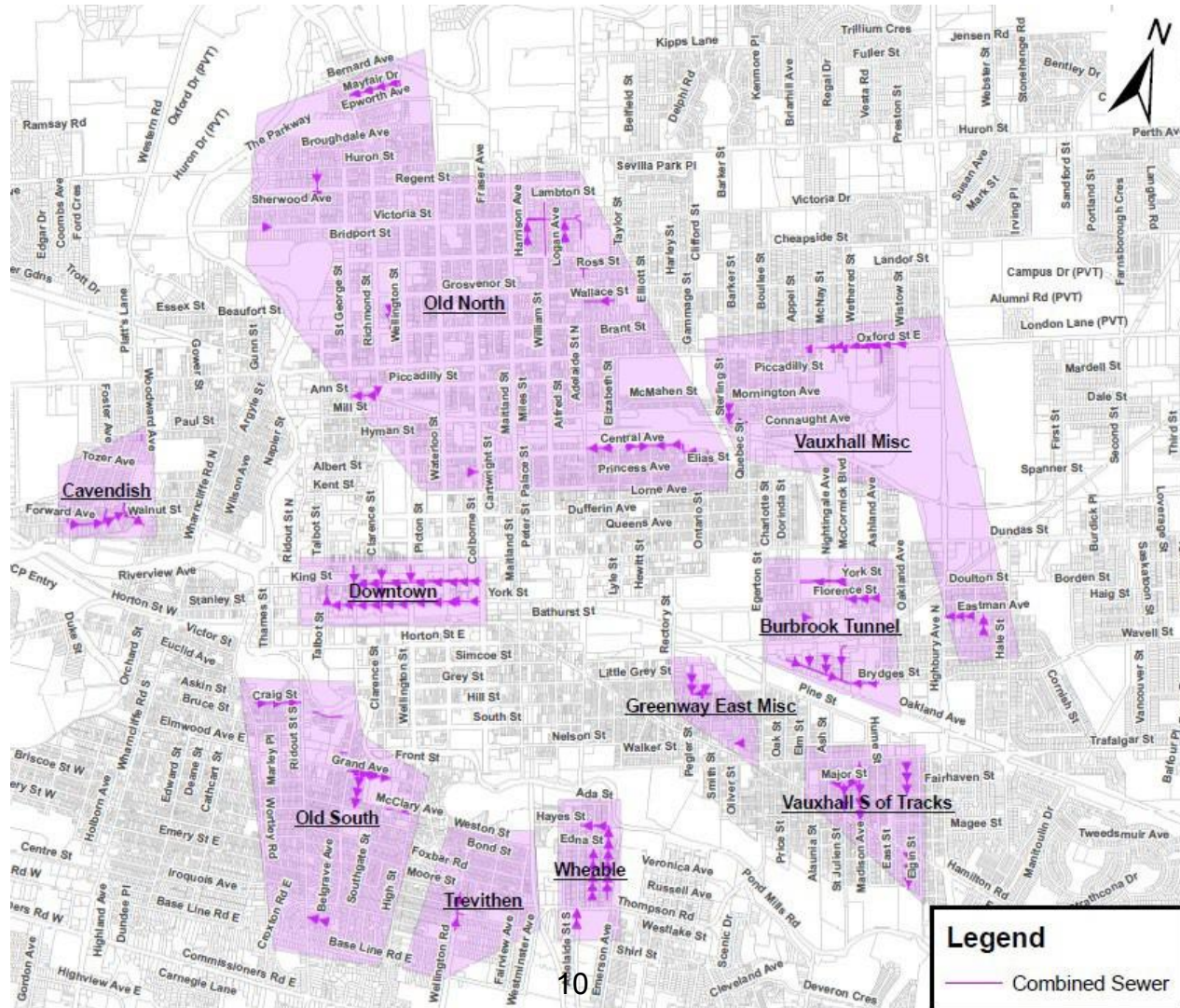
Over past 5 years, over 4.25km of combined sewer have been removed and replaced with new separated sanitary and storm sewers.



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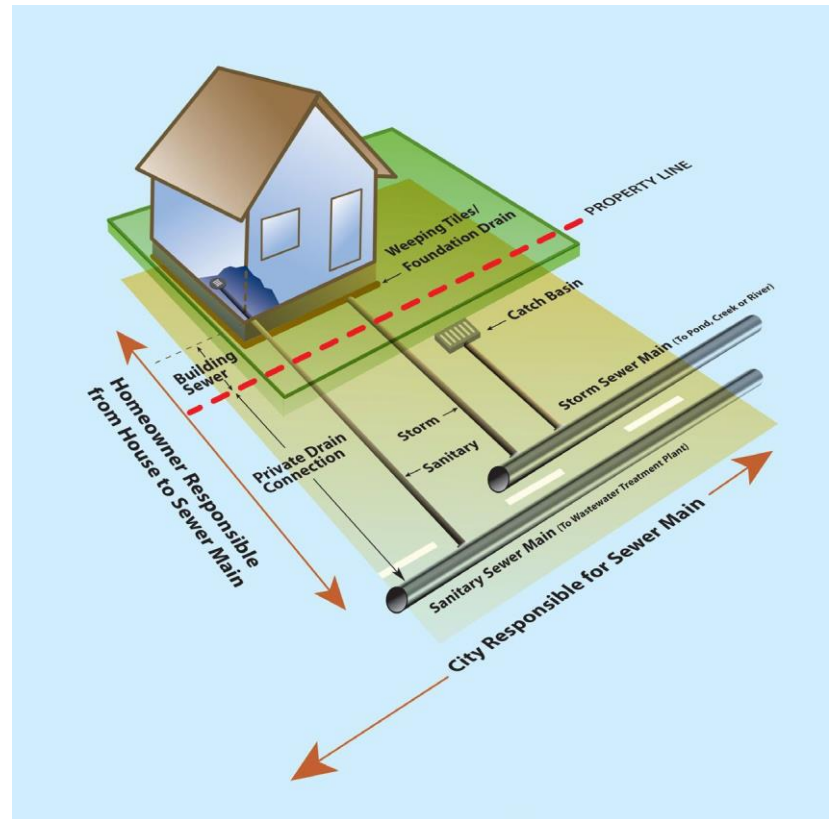
Combined Sewers

13.3km remaining (end 2022)



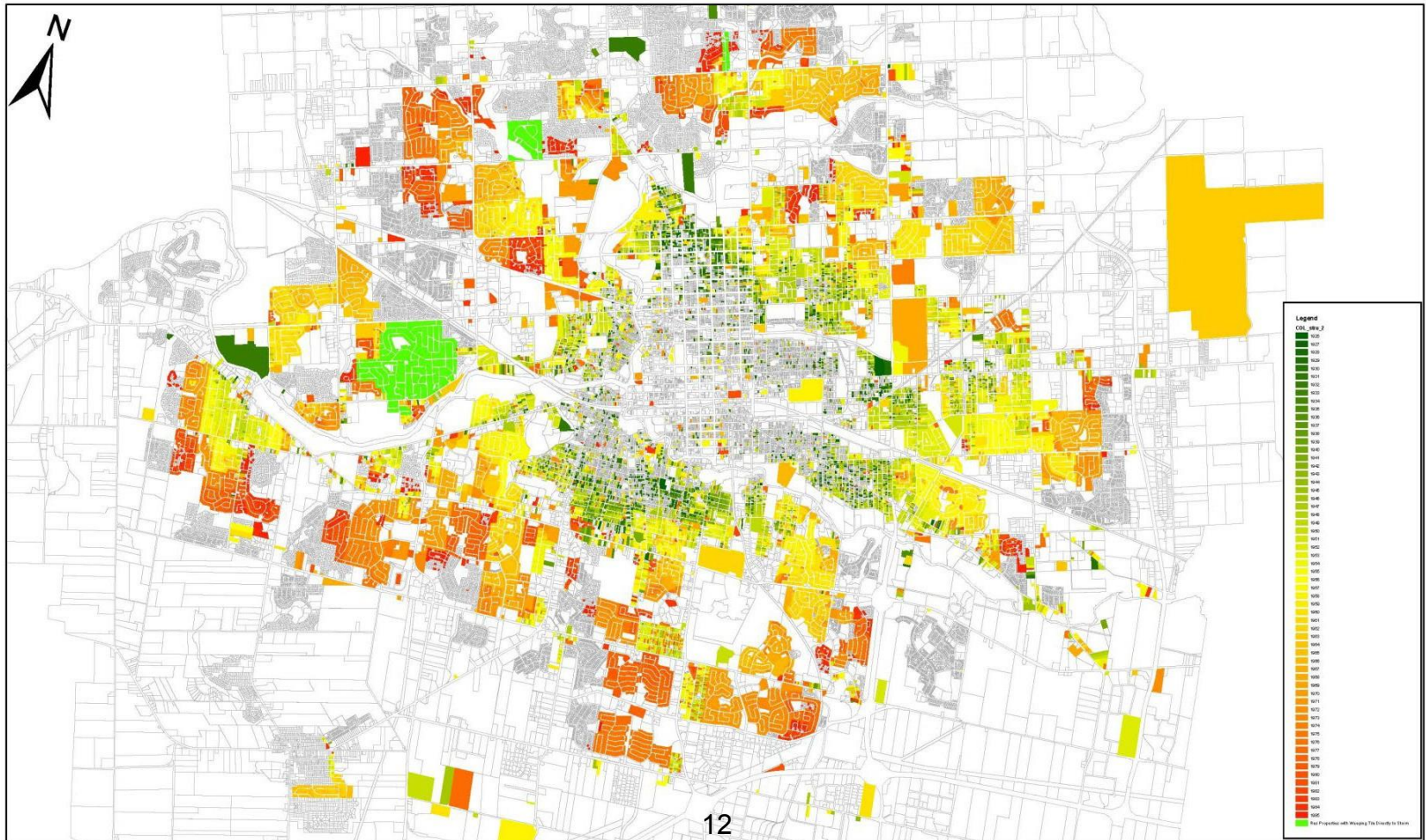
Inflow Source: Weeping Tiles

- Weeping tiles were commonly connected to sanitary sewer between the 1920s and 1980s
- That makes these sanitary sewers “partially combined” as the weeping tiles are a point of inflow
- Leading cause of basement flooding
- Approximately 50,000 weeping tile connections



Weeping Tile to Sanitary

Residential Properties Built Between 1926 and 1985
ie. properties assumed to have weeping tiles to sanitary(47,000+ properties)





Weeping Tile Disconnection

Basement Flooding Grant Program

Subsidy of 90% of costs to separate weeping tiles from the sanitary sewer and install sump pumps and backflow valves

Applied for by individual homeowners

60 -80 grants approved each year

Targeted weeping tile disconnection program

City initiated projects to target neighbourhoods for overall system benefit.

Historical Bypasses and Overflows

Raw overflow volume
 < 0.17% of total
 wastewater treated

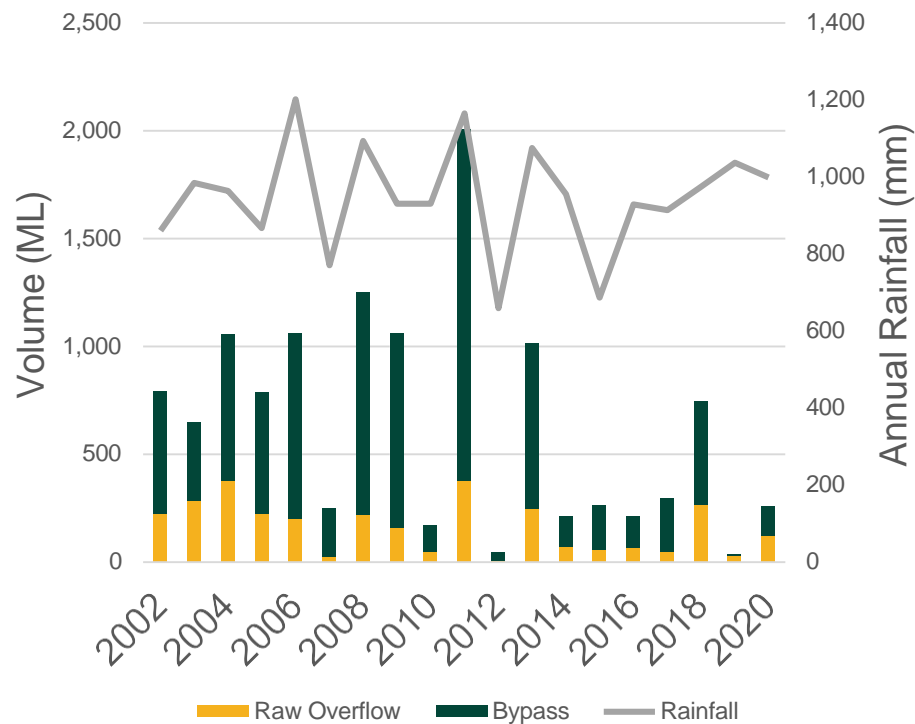
2018 stands out

Multiple intense rain
 events with snow melt

75% of raw bypass before
 end of February

Greenway upgrade not
 complete

Overflow and Bypass Activity
 2002-2020





Wastewater Treatment Master Plan

- Wastewater Treatment Master Plan completed in February 2022
- Strategy for collection and treatment of wastewater in London over the next 50 years
- Provide long term plan for wastewater infrastructure including treatment plants and pumping stations
- Minimizing bypasses and overflows at these facilities will be a key consideration

Recent Work

- Greenway Expansion
 - \$40M to increase treatment capacity, add wet weather treatment and storage capacity
- Dingman Creek PS
 - \$25M project to increase capacity in southeast London and increase ability to partially treat extreme flow events (2022)
- Adelaide WWTP Upgrades
 - Project to recover treatment capacity and construct wet weather storage tanks (2022)
- Pottersburg-Vauxhall System Optimization
 - Interconnection forcemain (2020) to allow full use of available treatment capacity
 - Wet weather treatment and storage facility (2022)
- Flood Protection at Greenway and Adelaide WWTP
 - \$49M project to protect WWTPs from floods and enable full treatment to occur up to 100 year flood elevation (complete by 2025)



Conclusions

- Unwanted water has many sources of inflow and infiltration into the sanitary sewer system.
- Major source of inflow from residential weeping tile connections to sanitary lateral.
- Multi-faceted approach required to address the various sources.
- Ultimate goal is to protect properties from basement flooding and our environment from overflows and bypasses.



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Questions?



Email from B. Samuels

As far as I am aware, the city currently lacks public communications about acceptable parameters for naturalization projects. Residents are increasingly interested in maintaining pollinator gardens and such along roads; this is consistent with other goals of the city and community organizations related to conserving biodiversity. However, because many properties in London currently do not comply with the yard and lot maintenance bylaw, this might suggest that awareness of bylaw requirements is poor. Reduced compliance could lead to more complaints and greater demands of staff time.

So, I am wondering if it might be worthwhile for ESACAC to form a working group to explore opportunities to improve public education about the bylaw as it applies to naturalization projects, such as developing a printed pamphlet or copy for the City's website, or an insert for the waste collection calendar, or social media posts scheduled for the start of gardening season.

If possible, I would like to proceed with having this included as an item for discussion in the upcoming ESACAC meeting agenda. To ensure that our conversation is kept in line with the committee's mandate (environmental stewardship and action) and that we avoid discussing legally confidential matters, I am copying four questions below that I will ask staff to please provide answers for at the meeting:

Question 1: If the required buffer beside a road or sidewalk has not been maintained in a residential yard, what is the procedure that bylaw enforcement staff follows?

Question 2: Under what conditions would failure to comply with the bylaw's buffer requirement trigger staff removing vegetation from an entire garden, versus staff removing vegetation that is occurring strictly within the buffer area?

Question 3: Are safety considerations (e.g., children getting lost in a garden, plants blocking a neighbour's line of sight from their driveway) reviewed with each complaint on a case-by-case basis, or are all violations of the buffer requirement treated equally? For instance, if plantings occur within the buffer area but do not appear to pose a safety concern, will staff still enforce the bylaw all the same?

Question 4: Apart from reading the yard and lot maintenance bylaw itself, where can the public access information about their obligations under the bylaw if they wish to maintain a roadside naturalized garden?

Environmental Stewardship and Action Community Advisory Committee

Report

The 2nd Meeting of the Environmental Stewardship and Action Community Advisory Committee
September 7, 2022

Attendance PRESENT: B. Samuels (Chair), D. Allick, P. Almost, I. EIGhamrawy, M. Griffith, C. Hunsberger, C. Mettler, L. Paulger, N. Serour, L. Vuong and A. Wittingham and H. Lysynski (Committee Clerk)

ABSENT: A. Hames, R. McGarry and M. Ross

ALSO PRESENT: P. Donnelly, M. Fabro, J. Skimming, J. Stanford and B. Westlake-Power

The meeting was called to order at 3:05 PM; it being noted that the following members were in remote attendance: B. Samuels, D. Allick, P. Almost, I. EIGhamrawy, M. Griffith, C. Hunsberger, C. Mettler, L. Paulger, N. Serour, L. Vuong and A. Wittingham

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

1.2 Election of Chair and Vice Chair

That B. Samuels and C. Mettler BE ELECTED Chair and Vice Chair, respectively, for the term ending February 2024.

2. Scheduled Items

2.1 Overview of the Climate Emergency Action Plan and Next Steps (Next 6 months)

That it BE NOTED that the Environmental Stewardship and Action Community Advisory Committee received the presentation, as appended to the Agenda/Added Agenda, from J. Stanford, Director, Climate Change, Environment and Waste Management and M. Fabro, Manager, Climate Change Planning, with respect to an overview of the Climate Emergency Action Plan and the next steps.

3. Consent

3.1 1st Report of the Environmental Stewardship and Action Community Advisory Committee

That it BE NOTED that the 1st Report of the Environmental Stewardship and Action Community Advisory Committee, from its meeting held on June 29, 2022, was received.

3.2 Resignation - G. Sankar

That it BE NOTED that the resignation, dated June 30, 2022, from G. Sankar, was received with regret.

4. Sub-Committees and Working Groups

4.1 1470-1474 Highbury Avenue North

That the 1470-1474 Highbury Avenue Working Group comments BE FORWARDED to the Civic Administration for consideration and the Planner BE REQUESTED to respond to the Environmental Stewardship and Action Community Advisory Committee questions.

5. Items for Discussion

5.1 Future Meeting Date and Time

That it BE NOTED that the Environmental Stewardship and Action Community Advisory Committee established a general meeting day and time of the first Wednesday of each month at 3:00 PM.

5.2 Mayor's New Year's Honour List

That it BE NOTED that the Environmental Stewardship and Action Community Advisory Committee will prepare Mayor's New Year's Honour List Nominations and hold a special meeting prior to November 26, 2022.

5.3 Planning Application - 3350, 3480 Morgan Avenue and 1363 Wharnccliffe Road South

That a Working Group BE ESTABLISHED consisting of L. Paulger, B. Samuels and A. Wittingham, relating to the Notice of Planning Application for the Draft Plan of Subdivision, Official Plan and Zoning By-law Amendments, dated August 4, 2022 relating to the properties located at 3350, 3480 Morgan Avenue and 1363 Wharnccliffe Road South.

5.4 Planning Application - 3480 Morgan Avenue

That a Working Group BE ESTABLISHED consisting of L. Paulger, B. Samuels and A. Wittingham, relating to the Notice of Planning Application for the Draft Plan of Subdivision, Official Plan and Zoning By-law Amendments, dated August 4, 2022 relating to the property located 3480 Morgan Avenue.

5.5 Smoking By-law and it's impact on Forests/Trees

That it BE NOTED that the communication dated April 26, 2022, from A. Hames, with respect to the Smoking By-law and its impact on forests and trees was postponed to a future meeting.

6. Adjournment

The meeting adjourned at 5:06 PM.

Environmental Stewardship and Action Community Advisory Committee

Report

The 3rd Meeting of the Environmental Stewardship and Action Community Advisory Committee
September 21, 2022

Attendance PRESENT: B. Samuels (Chair), D. Allick, I. ElGhamrawy, M. Griffith, C. Hunsberger, L. Paulger, N. Serour and A. Wittingham and H. Lysynski (Committee Clerk)

ABSENT: P. Almost, A. Hames, R. McGarry, C. Mettler and L. Vuong

The meeting was called to order at 3:01 PM; it being noted that the following members were in remote attendance: B. Samuels, D. Allick, I. ElGhamrawy, M. Griffith, C. Hunsberger, L. Paulger, N. Serour and A. Wittingham

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

2. Scheduled Items

None.

3. Consent

None.

4. Sub-Committees and Working Groups

None.

5. Items for Discussion

None.

6. Confidential

6.1 Personal Matter/Identifiable Individual

The Environmental Stewardship and Action Community Advisory Committee convened in closed session from 3:04 PM to 3:25 PM after having passed a motion to do so, with respect to a personal matter pertaining to identifiable individuals, including municipal employees, with respect to the 2023 Mayor's New Year's Honour List.

7. Adjournment

The meeting adjourned at 3:25 PM.

Hi Heather,

My apologies for today. My day went sideways and as I was realizing I was missing the meeting, I came to the difficult conclusion that my workload this school year will be too high to manage the committee. I also thought that Wednesdays would work but I can see in this first week of the school that it just won't be possible.

With much regret, I will have to bow out of ESACAC. Please pass on my apologies to the committee.

Sincerely,
Michael Ross

Working Group Feedback on Morgan Ave, Wharncliffe Road South Notices of Application

Prepared by Environmental Stewardship and Action Community Advisory Committee (ESACAC)
October 23, 2022

Question		Recommendation	Notes
Park Space			
1	Given anticipated density, is park space adequate?	Park space should meet minimum standards outlined in the London Plan. Include additional green spaces and amenities for gathering (benches, tables)	Where will people gather? Residents from north/east of Bradley Ave will likely also use the park in this area, so needs to also consider these residents. Currently only one park is available in surrounding subdivision.
2	What amenities and activities are planned for the park space?	Ensure adequate-sized playground for all ages and abilities. Space should be large enough for organized sports.	Suggested amenities: District-size playground Half basketball court Soccer field Bike racks
Roadways/Walkways/Transportation			
3	How will pedestrians safely move around development?	Wider sidewalks for children to play will keep them out of the road. Pedestrian crosswalks with signals to alert motorists should be included in the plan	A lot of the outdoor space between buildings is allocated for parking and roadways. There is a lot of potential for children to move around unnoticed and get hurt by collisions with vehicles. What are the speed limits on these roads?
4	Why are bike-friendly road designs not in the plan?	Segregated bike lanes on the “spine” are needed (not just lines on the road, but actual dividers); these roads will be very busy when everything is developed and active transportation safety must be a priority.	Bike racks should be available in select areas
5	Where will tenants store bicycles?	Each medium density building should have secure bike storage available in the parking garages	

6	Why are no parking garages planned for the stacked townhomes?	Residents in stacked townhomes could be granted access to underground parking?	This creates a need for a lot more impermeable surface outside. No storage available for larger items such as bicycles High rate of vehicle break-ins and thefts historically reported in the area.
Grounds			
7	How will waste (e.g., garbage, recycling, organics) be collected and removed?	Ensure there is sufficient space for waste trucks to move safely through the development. Define space allocated for waste and recycling collection for all buildings. Include waste collection bins in park design.	For stacked townhomes, this could look like recycling totes and larger front-load bins. This removes the need for residents to pile garbage on roadways for pick up days
8	Where will plowed snow be piled?	Define space for snow piling in the plan.	
9	What will be done to minimize negative impacts associated with higher density to habitat in and surrounding the SWM pond? (block 88)	Suggest installing an information sign near the pond warning the public not to dump pet fish.	Many of London's SWM ponds already harbor infestations of invasive goldfish.
Buildings			
10	Will the mid-rise buildings have retail at their base?	This is a prime opportunity to make a truly walkable development, by having multiple retail opportunities at the base of each building, providing necessities to residents	Retail spaces could include a mix of grocery, restaurant, pharmacy, pet supply.
11	Will buildings be designed solar-ready?	All buildings should be designed solar-ready for near-future innovations in solar energy technology	
12	Will more units be designed for larger families?	2- and 3-bedroom units should be included in the mid-rise buildings.	Not all families with children will be able to afford a stacked townhouse with multiple rooms



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October 18, 2022

C. Parker
Senior Planner, Planning and Development

I hereby certify that the Municipal Council, at its meeting held on October 17, 2022, resolved:

That the following actions be taken with respect to the 2nd and 3rd Reports of the Environmental Stewardship and Action Community Advisory Committee (ESACAC), from the meetings held on September 7, 2022 and September 21, 2022, respectively:

- a) the following actions be taken with respect to the 2nd Report of the ESACAC:
 - i) the 1470-1474 Highbury Avenue Working Group comments BE FORWARDED to the Civic Administration for consideration and the Planner BE REQUESTED to respond to the ESACAC questions; and
 - ii) clauses 1.1, 1.2, 2.1, 3.1, 3.2 and 5.1 to 5.5, BE RECEIVED; and
- b) the 3rd Report of the ESACAC BE RECEIVED. (2.1/13/CWC)

M. Schulthess
City Clerk
/nk

cc: Chair and Members, Environmental Stewardship and Action Community Advisory Committee

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