Environmental and Ecological Planning Advisory Committee
Report

The 10th Meeting of the Environmental and Ecological Planning Advisory Committee
September 19, 2019
Committee Rooms #1 and #2

Attendance


ABSENT:  E. Arellano and A. Cleaver

ALSO PRESENT:  G. Barrett, C. Creighton, T. Macbeth, J. MacKay, L. McDougall, A. Sones and E. Williamson

The meeting was called to order at 5:00 PM

1. Call to Order
   1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

2. Scheduled Items
   2.1 Kilally South, East Basin Environmental Assessment

That it BE NOTED that the attached presentation from A. Sones, Environmental Services Engineer and C. Moon, EcoSystem Recovery Inc., with respect to the Kilally South, East Basin Environmental Assessment, was received.

   2.2 Draft Subject Lands Status Report - White Oak-Dingman Secondary Plan, Parsons Inc. 2019

That a Working Group BE ESTABLISHED consisting of S. Heuchan, I. Mohamed, R. Doyle, S. Esan, L. Banks, S. Levin and B. Samuels, to review the draft Subject Lands Status Report for the White Oak-Dingman Secondary Plan; it being noted that the Environmental and Ecological Planning Advisory Committee reviewed and received the attached presentation from L. McDougall, Ecologist and T. Macbeth, Planner II, with respect to these matters.

3. Consent
   3.1 9th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the 9th Report of the Environmental and Ecological Planning Advisory Committee, from its meeting held on August 15, 2019, was received.
3.2 Municipal Council Resolution - 8th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee held a general discussion with respect to the Municipal Council resolution adopted at its meeting held on August 27, 2019 with respect to the 8th Report of the Environmental and Ecological Planning Advisory Committee; it being further noted that S. Hall and S. Pierce attended an Animal Welfare Advisory Committee meeting in 2017 to discuss the draft "Is Your Cat Safe Outdoors?" brochure.

3.3 Environmentally Significant Areas Meeting Minutes - April and August, 2019

That G. Barrett, Manager, Land Use Planning and Sustainability, BE INVITED to the next meeting of the Environmental and Ecological Planning Advisory Committee (EEPAC) to discuss the differences between City-owned and privately owned Environmentally Significant Areas; it being noted that at the EEPAC reviewed and received the Environmentally Significant Areas Meeting Minutes from its meetings held on April 30, 2019 and August 20, 2019.

4. Sub-Committees and Working Groups

4.1 Environmental Management Working Group Comments

That, the following actions be taken with respect to the review of the Environmental Management Guidelines:

a) the attached Working Group comments with respect to the review of the Environmental Management Guidelines BE FORWARDED to the Civic Administration for consideration; and,

b) a special Environmental and Ecological Planning Advisory Committee BE HELD on November 7, 2019 at 5:00 PM to provide further Working Group comments on these matters.

5. Items for Discussion

5.1 Restriction on Detonation of Fireworks in Environmentally Significant Areas

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee held a general discussion with respect to the restriction on the detonation of fireworks in Environmentally Significant Areas.

6. Adjournment

The meeting adjourned at 6:57 PM
Kilally South, East Basin  
Class Environmental Assessment

Environmental and Ecological Planning Advisory Committee (EEPAC)  
Review of Existing Conditions and Evaluation of Preferred Alternative

September 19, 2019

Problem Statement

The stormwater servicing alternative identified in the 2003 Kilally South Environmental Assessment for the Kilally South, East Basin study area is outdated and no longer meets current policy and stormwater design objectives.

A preferred stormwater management approach for the South, East Basin area is to be assessed with consideration for a holistic stormwater management approach to support both environmental and development goals.

Stormwater Management Service - Evaluation Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Criteria</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Socio - Cultural Environment</td>
<td>Archaeology &amp; Cultural Heritage</td>
<td>Impacts to known archaeological resources</td>
</tr>
<tr>
<td>Socio - Economic Environment</td>
<td>Land Use</td>
<td>Property requirements (area required, access, flooding, erosion)</td>
</tr>
<tr>
<td>Natural Environment</td>
<td>Terrestrial Environment</td>
<td>Effects on terrestrial environment including habitat and tree removal</td>
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<tr>
<td></td>
<td>Aquatic Environment</td>
<td>Effects on aquatic environment including habitat and species at risk</td>
</tr>
<tr>
<td>Technical Environment</td>
<td>Design/Function</td>
<td>Ability to address problem statement</td>
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<tr>
<td></td>
<td>Construction &amp; Implementation</td>
<td>Constructability (staging, grading constraints, utility conflicts)</td>
</tr>
<tr>
<td>Approvals &amp; Compliance</td>
<td>Permitting requirements, including complexity (UTRCA, DFO, MNRF)</td>
<td></td>
</tr>
<tr>
<td>Economic Environment</td>
<td>Cost</td>
<td>Capital Costs (total project costs - design/construction)</td>
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Existing Drainage Pattern
Field Program
- Three season vegetation survey;
- Migratory waterfowl and breeding bird surveys;
- Amphibian call surveys;
- Incidental wildlife observations; and
- Incorporation of data from adjacent ongoing studies and previous investigations.

Deliverables
- Subject Land Status Report (informs evaluation of alternatives); and
- Environmental Impact Study (informs preferred alternative development, mitigation, compensation and future monitoring program).

Field Program
- Four monitoring wells;
- Two nested monitoring well pairs - deep and shallow wells;
- Four piezometers;
- Groundwater level monitoring;
- Groundwater quality monitoring;
- Monitoring Period January 16th 2019 to June 19th 2019; and
- Incorporation of data from ongoing adjacent work and previous investigations as appropriate.

Deliverables
- Hydrogeology Assessment Report
  (informs evaluation of alternatives, preferred alternative development, mitigation, and future monitoring program).
Proposed Alternative | Description | Evaluation Result
--- | --- | ---
Alternate 1: | Do Nothing | Carried forward
• Does not address the problem opportunity statement.

Alternate 2: | 2003 Recommended (single wet pond facility) | X Screened out
• Does not provide water balance benefits or LID implementation.

Alternate 3: | Catchment wide LID (LID only) | X Screened out
• Areas of the study area are not favourable for LID due to high groundwater table and low permeability soils.

Alternate 4: | Single wet pond SWM facility (2003 Enhanced) (with LID where feasible) | X Screened out
• Can only provide partial water balance benefits.

Alternate 5: | Single infiltration and attenuation facility (with LID where feasible) | Carried forward
• Can only provide partial water balance benefits.

Alternate 6: | Two infiltration and attenuation facilities (with LID where feasible) | Carried forward – Preferred
• Water balance benefits can be achieved through catchment LIDs supplemented by end-of-pipe infiltration facilities.
Next Steps

1. PIC – October 10th 6:00 to 8:00 pm;
2. Prepare Project File Report – Fall 2019;
3. File Project File Report – Fall 2019;
4. Detailed Design – 2020; and
White Oak-Dingman Secondary Plan: Draft SLSR

Environmental and Ecological Planning Advisory Committee
September 19, 2019

WOD Area: Background

- Large portion of White Oak/Dingman area added to City as part of annexation in 1993 (Industrial land).

  - Evaluated industrial lands to determine if lands should continue as future industrial lands or be re-designated to non-industrial uses.
  - Result: a portion of the lands to be re-designated.

The London Plan – Map 1

Secondary Plan

- “Future Community Growth” in London Plan.

- When is a Secondary Plan required?
- Examples from London Plan policy 1557_:
  - Areas added to the Urban Growth Boundary.
  - Areas in the “Future Community Growth” Place Type.
  - Areas requiring coordinated subdivision development.
  - Areas that are subject to substantial change as the result of a proposed major development.
Background Studies to Secondary Plan - SLSR

Subject Lands Status Report (policies 1425-1430)

- Confirms and maps boundaries of NHS features/areas.
  - (Green Space – Map 5 of The London Plan)
- Evaluates significance of lands in the Environmental Review Place Type.
- Identifies and evaluates the significance of other natural heritage features and areas which are not included in the Green Space or Environmental Review Place Types:
  - including NHS features and vegetation patches greater than 0.5 hectares in size.
- Identifies natural heritage features that act as triggers for subsequent E.I.S. study (per PPS 2014 and The London Plan Table 13).
- EIS undertaken at time of specific development application.
- EIS determines whether, or the extent to which, development may be permitted in areas within, or adjacent to, specific components of the NHS (i.e. within the ‘trigger distance’ study area).

Parsons Field Investigations – 3 Season Ecological Inventory

- **Vegetation Characterization**
  - Botanical Inventory
  - Ecological Land Classification (ELC)
  - Wetlands
  - Invasive Species
- **Wildlife**
  - Breeding Bird Survey
  - Amphibian Call Survey
  - Bat Acoustic Survey
  - Snake Visual Encounter Survey
  - Species at Risk Survey
- **Significant Wildlife Habitat**
- **Species at Risk**
- **Fish Habitat**

Subject Lands Status Report - Key Findings

- Parsons conducted 3-season study on behalf of City.
- Draft available for Public and EEPAC comment.
- Aiming for end of 2019 to report to Planning and Environment Committee.

Natural Heritage Features

- Significant Woodland
- Wetlands
- Significant Wildlife Habitat
- Species at Risk
- Fish Habitat

Proposed London Plan Map 5 Updates

- Significant Woodland
- Wetlands

LEGEND

Significant Woodland
Amphibian Call Survey
Breeding Bird Survey
Species at Risk
Wetlands

Proposed London Plan Map 5 Update - Natural Heritage System Component

- Significant Woodland
- Wetlands

Map 5 – London Plan

Proposed London Plan Map 5 Updates

- Significant Woodland
- Wetlands

LEGEND

Significant Woodland
Amphibian Call Survey
Breeding Bird Survey
Species at Risk
Wetlands

Subject Lands Status Report – Proposed Updates to Map 5
Subject Lands Status Report

- Draft available on City’s Secondary Plan webpage for Public and EEPAC comment.
- Aiming for end of 2019 to report to Planning and Environment Committee.
The Corporation of the City of London

Invitation for Informal Quote to Undertake the Consultation and Preparation of the Environmental Management Guidelines (2007) Update for the City of London

1.0 Introduction – Goals and Objectives

Goal: The City of London (herein after referred to as the City) is seeking qualified consultants to design and complete an update to the current version of Environmental Management Guidelines (EMGs). The goal of the update is to clarify the existing guidelines and standards, propose new guidelines and standards where appropriate, and to align the guideline with the updated Provincial Policy Statement (2014) and with London’s new Official Plan, the London Plan (2016). Consideration should also be given to the draft 2019 Provincial Policy Statement, currently not in force.

"identify performance indicators for measuring the effectiveness of some or all of the policies. The Province shall monitor their implementation, including reviewing performance indicators concurrent with any review of this Provincial Policy Statement. Municipalities are encouraged to establish performance indicators to monitor the implementation of the policies in their official plans."

The London Plan states in policy 1423: “The City may prepare environmental management guidelines setting out in more detail the requirements of environmental studies for development and site alteration. Environmental studies are the means by which the City establishes the precise boundaries of natural features and areas and the significant ecological functions within them. They also assess the potential impacts of development and site alteration on the Natural Heritage System and on their adjacent lands, and are required prior to the approval of development to prevent negative impacts on the Natural Heritage System, and to demonstrate that there will be no negative impacts on the natural heritage features and areas or their ecological functions.”

Additionally, London Plan policy 1424 states “These guidelines shall be updated as required to reflect changes to provincial policy and technical documents and to reflect improvements in scientific knowledge regarding natural features and ecological functions.”

The EMGs provide direction regarding the standards, procedures and requirements for preparing environmental reports and studies that may be required to evaluate planning applications, municipal infrastructure projects, Conservation Master Plans, Secondary Plans, Area Plans, Subject Land Status Reports, Environmental Assessments or Environmental
Impact Studies.

Updating the EMGs will ensure that there is a consistent approach in the preparation of environmental studies that may be required to establish boundaries of natural heritage features, assess the potential impacts of development and site alteration on the Natural Heritage System, and identify protection, mitigation, and compensation measures that may be needed to protect Natural Heritage Features and functions.

**Objective** The objective of the study is to undertake a document review and update of the EMGs (2007) to identify relevant processes and reference documents, identify data gaps, and to improve the usability of the EMGs as a tool that sets out the requirements for the preparation of environmental studies that may be required to implement the London Plan and other approved provincial policies and legislation.

**2.0 Background - Current Environmental Management Guidelines**

Improving the usability and effectiveness of the City’s EMGs will ensure the City’s Natural Heritage System is identified, the impacts of development are assessed, and the identified natural heritage features and functions are protected over the long-term as required by the Provincial Policy Statement and the City’s Official Plan. The EMGs are tools to implement existing policy and do not replace or supersede these policies. Revision of these approved policies will not be considered as part of this update.

The current version of the EMGs was approved by Council in 2007 and is available on the City’s website in this link. The EMGs update process will consider the recommendations of the EIS Performance Monitoring Study that included engagement with the London Development Institute (LDI) and Environmental and Ecological Planning Advisory Committee (EEPAC). A link to the Planning and Environment Committee staff report (August 26, 2014), and study can be found here.

**3.0 Scope of Work**

**3.1 Review Background Documents to Identify Data Gaps and Updated Policy Documents**

The consultant will assemble a background review, taking into consideration all relevant and up to date reference documents (and comments received on the current version of the EMGs) including but not limited to: Peer-Reviewed Scientific Studies, particularly SW.

- Ecological Buffer Guideline Review, Beacon Environmental for the Credit River Conservation Authority, Dec 2012

- Other Secondary Source literature – should be used to support a robust mitigation and restoration and monitoring (both compliance and effectiveness monitoring) strategy.

It may be appropriate for a separate guideline for monitoring be developed (and include before/post monitoring, the output of monitoring, etc). This is not ToR, EMG (later). MOVE TO SEC 3.3
of ToR
- Existing references used in the Current EMG (2007) document
- Examples of similar guidelines from other Ontario municipalities and Conservation Authorities

Additional references as may be provided by stakeholders throughout the process.

3.2 Consultation

Consultation with external resource groups (stakeholder and community groups) and First Nations will be completed throughout the update process.

As the EMGs are tools to implement existing City policies and do not replace or supersede these policies, the specifics of the EMGs that are included in such policies will not be part of this consultation process. For example, the CITY OF LONDON ESA EVALUATION CRITERIA APPLICATION GUIDELINES as they are part of the current Official Plan and the London Plan.

External Resources

External resource groups that will be included as part of the consultation for this project include:

- Environmental and Ecological Planning Advisory Committee
- Advisory Committee on the Environment
- Upper Thames River Conservation Authority
- Lower Thames Valley Conservation Authority
- Kettle Creek Conservation Authority
- The Urban League of London
- The London Development Institute
- London Home Builders Association
- Nature London

First Nations Consultation

First Nation communities will be invited to engage in all stages of the EMGs update; Pre-consultation, Phase 1 and Phase 2. Pre-consultation will guide the project engagement process and establish the desired on-going consultation with First Nations communities. Community engagement requirements will be included in the revised EMGs at the direction and desire of
the communities.

To foster consistent inclusion of communities related to environmental planning and approval initiatives the City of London proposes to develop engagement standards with the communities to include in the EMGs update. These standards could consist of consultation during the initial EIS project stages for development projects that have not involved prior consultation, as typically completed during the EA process. Inclusion throughout the study process and during post construction monitoring as appropriate will also be explored during the EMGs revision in collaboration with the communities.

The Provincial Policy Statement (2014) in policy 1.2.2; ‘Planning authorities are encouraged to coordinate planning matters with Aboriginal communities.”

First Nations that must be included as part of the consultation for this project include:

- Chippewas of the Thames First Nation
- Munsee-Delaware Nation
- Oneida Nation of the Thames

And other First Nations groups as applicable.

Pre-consultation: The City of London

Initial project initiation with external resources and First Nations will be undertaken by the City of London to establish a clear engagement process.

A presentation at EEPAC will be completed by City staff during this stage to introduce the project and consultation process. All external resources and First Nations will be invited to attend this project initiation presentation and engage in the process from the outset.

The City of London will circulate the ToR to the external resource groups and First Nations for comment. Comments from this initial consultation stage will be considered in the revision of the ToR prior to retaining a consultant and will guide the consultation process throughout.

The paragraph below should be moved to Phase 1 (changing the timeline) because between now and the initial meeting is when comments on the 2007 documents will be received, not cutting off all stakeholders including EEPAC and First Nations at September 19th.
Comments on the existing EMGs document and how this policy tool can be improved or revised will be invited and gathered during this initial stage. Given the potential for a high volume of responses, an excel spreadsheet matrix will be circulated to organize comments. Responses will be completed in subsequent project phases. These initial comments will be considered in the revision of the Terms of Reference and circulated to the retained consultant during Phase 1 of the project.

**Phase 1: Project Initiation, Background Review and Draft Preparation**

Phase 1 will begin with a project kickoff meeting between the consultant and the City of London. The consultant will be responsible for circulating meeting minutes.

The City of London will circulate the comments gathered during the Pre-consultation Phase to the retained consultant as part of the background review. Comments will be addressed within the spreadsheet and circulated to the external resource groups and First Nations. Consolidated comments will be circulated to all engaged external resource groups and First Nations.

The consultant will be responsible for up to two meetings per external resource group or First Nation band during Phase 1 of the consultation process. The consultant will be responsible for meeting minutes and for ensuring stakeholders are reminded of deadlines for submissions.

In Section 3.1. Include conclusions and recommendations of past subwatershed studies by the City of London.

Based on the review of the background materials identified in Section 3.1 and in consultation with the City of London’s Ecologist Planners, the consultant will complete the first revision of the EMGs, considering the initial comments provided by external resource groups and First Nations on suggested EMGs revisions.

A presentation at EEPAC will be completed by the consultant during this stage (mid April 2020) to present the initial draft of the revised EMGs. All external resource groups and First Nations will be invited to attend this presentation and engage in the process. The revised EMGs document will be circulated to all external resource groups and First Nations in coordination with this presentation for review and comment.

**Phase 2: Draft Review, Comment Resolution**

The consultant will be responsible for up to two meetings per external resource group and First
Nation band during Phase 2 of the consultation process. These meetings will work to review and resolve comments provided by the external resource groups and First Nations and explain comment responses. The retained consultant will be responsible for circulating meeting minutes to the City of London and the involved external resource groups and First Nations for the meetings. The consultant will accept one round of comments from all external resource groups and First Nations within the EMGs comment spreadsheet in response to the draft EMGs.

A second draft shall be prepared for external resource and First Nations review. All external resource groups and First Nations shall be invited to discuss areas of disagreement and attempt to resolve differences in a consultative manner.

Based on comment resolution completed within the EMGs comment spreadsheet and during the external resource groups and First Nations meetings, the consultant will revise the EMGs draft. The City of London and consultant will attempt to resolve any outstanding comments and finalize the EMGs document for presentation at EEPAC and Planning and Environment Committee (PEC). The consultant will be responsible for presenting to EEPAC and PEC.

All external resource group and First Nation feedback will be considered throughout the process, however, all comments may not be incorporated in the final draft recommended to Council.

Comments on existing 2007 EMG → draft 1 → comments on draft 1 → final draft → review & presentation to EEPAC. This timeline should be made clear in a sequential chart.

3.3 Revise the Environmental Management Guidelines

Section specific updates will be completed to align with the aforementioned background documents and policies. This update will confirm and update the existing EMGs sections, assessing if those sections are necessary and if any additional sections or deletions are warranted. The consultant should update only those sections of the Guidelines that need to be updated. However, a recommendation may be that some or all of the Guidelines not be revised. The consultant shall recommend how to update references in those Guidelines that require no changes, without opening said Guideline(s) to appeal to the LPAT. During the update for the 2020 EMGs, the current 2007 EMGs remain in full force and effect.

reflecting pre- and post- construction period.

4.0 Summary of Deliverables

The process to update the EMGs for the City of London will include:

1. Development of updated draft EMGs and a “final” EMGs in consultation with the Ecologist Planners, external resource groups and First Nations based on municipal, provincial and federal policies. Use of secondary sources where appropriate to develop robust policies and procedures that foster the identification, protection, restoration and enhancement of the Natural Heritage System in the City of London.

2. Recommend a review and revision cycle for the updated Guidelines

3. Responses to written comments

4. Minutes of all meetings

5. Attend, present (prepare slideshow) and answer questions on the updated EMGs at an EEPAC meeting

6. Attend, present (prepare slideshow) and answer questions on the updated EMGs to London City Council at a future Planning and Environment Committee Meeting.

5.0 Timeline

Pre-consultation (August 1 – November 1, 2019):

**August 1, 2019** – Circulate Terms of Reference, EMGs initial comment matrix and EEPAC presentation invitation to external resource groups and First Nations

**August 15, 2019** – City of London project initiation presentation at EEPAC

**September 19, 2019** – External resource groups and First Nations response deadline for ToR and comments on the 2007 version of the EMGs

**September 27, 2019** – City of London to revise the ToR for bid circulation

**October 4, 2019** – ToR circulated and invitation to bid sent out

**October 18, 2019** – Deadline for Bid Submission

**November 1, 2019** – Project Award to Successful Bidder

Phase 1 – Background Review and Draft Development (November 15, 2019 – May 21, 2020):

**November 15, 2019** – Kick-off Meeting between successful bidder and the City of London

**November 22, 2019** – Begin engaging external resource groups and First Nations (via email with up to two meetings per group)

**December 20, 2019** –
Background review and address initial EMGs comments. Circulate consolidated comments to engaged external resource groups and First Nations **April 16, 2020** – EEPAC presentation and circulation of the updated Draft EMGs for comment **May 21, 2020** – Deadline to receive comments on the Draft EMGs from external resource groups and First Nations

**Phase 2 – Draft Revision and Planning and Environment Committee Presentation (June 1 – July 27, 2020):**

**June 1, 2020** – Begin external resource group consultation on the Draft EMGs (minimum two sessions per group) **July 10, 2020** – Final Version of Revised EMGs circulated **July 27, 2020** – Consultant Presentation of Final EMGs at Planning and Environment Committee