August 08th, 2025

City of Ottawa
Development Review Central Branch
110 Laurier Ave W
Ottawa, ON, K1P 1J1

Attention: Shawn Wessel

Subject: **Site Plan Control Application – 424 Churchill Ave, Ottawa, ON**
Concrete Landscape Planter- Drainage Design

LRL File Ref: 220224

The following memo details the intended drainage design for the stormwater collected within the landscaped planters exterior to the building.

The planter walls along the east face of the building will be equipped with an independent drainage system that directs stormwater into the building's internal plumbing network. Flows from Planter Drains 2, 3, and 4 will converge at Planter Drain 1 via a 150mm diameter non-perforated sub-drain, and from there, will be conveyed into the internal plumbing system located at the P1 level. This system will ultimately discharge to the proposed 150mm diameter storm service within the Churchill Avenue right-of-way.

Planter drains located along the north face of the building will discharge directly into the adjacent landscaped area through scuppers installed at the base of the planters, facilitating ground infiltration.

No stormwater runoff from the planter areas will discharge directly onto the City sidewalk. All flow will either be conveyed through the dedicated drainage system at the base of the planter walls or be directed toward adjacent landscaped areas. The contractor must ensure positive conveyance of water towards the outlet, ensuring that stormwater is effectively directed away from the planter wall foundation.

Preliminary details for the planter wall drainage system are available on Drawing A311 of the architectural package submitted by Open Plan Architects Inc. Further specifications, including

slope and alignment, will be refined in coordination with the structural design package to be submitted as part of the Building Permit application.

As confirmed in the Planter Design Confirmation Letter provided by D+M Structural Limited, the reinforced cast-in-place concrete planter walls will be designed to bear directly on the bedrock surface. The footings of the retaining walls will be located at varying elevations depending on the depth of the bedrock.

We trust this provides the necessary confirmation. Should you have any further questions or require additional information, please do not hesitate to contact us.

Yours truly,
LRL Associates Ltd.

Sarthak Vora

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