



October 18<sup>th</sup>, 2024

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. A drainage scupper will be installed at the ground surface elevation, allowing surface flow collected within the planter to discharge onto the hardscaped area directly adjacent to the city sidewalk. Additionally, subsurface flow from below the ground surface will be drained via a 200mm diameter perforated sub-drain placed adjacent to the planter wall footings, acting similar to a traditional foundation drain. Preliminary details regarding the planter wall drainage system can be found on drawing A302 of the architectural drawing package submitted by Open Plan Architects Inc.

The planter wall drain is intended to be connected to the foundation drain for the building, which will convey flows to the city sewer system via the storm sewer outlet proposed on Churchill Avenue North. The contractor must ensure positive conveyance of water towards the foundation drain, ensuring that stormwater is effectively directed away from the planter wall foundation.

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. Further details on the slope and alignment of the planter wall drainage system will be developed upon receipt of the structural design package, which is to be submitted as part of the Building Permit application.

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*

Sarthak Vora, E.I.T  
Civil E.I.T



Virginia Johnson, P. Eng.  
Civil Engineer