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No.: 6301-Campeau-YME-L4-R1

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Reference: East and south side of the proposed development at 6301 Campeau Dr. in the City of Ottawa, ON.

Subject: shoring along the westerly and southerly most blasting line of drilling for the referenced development shown in figure 1 in page 1.

The difference in elevation along the subject lines of drilling is understood to cut an elevation difference of up to ± 6 m at its highest point. Near vertical cuts on bedrock at this site are expected to be stable according to the subsurface investigation.

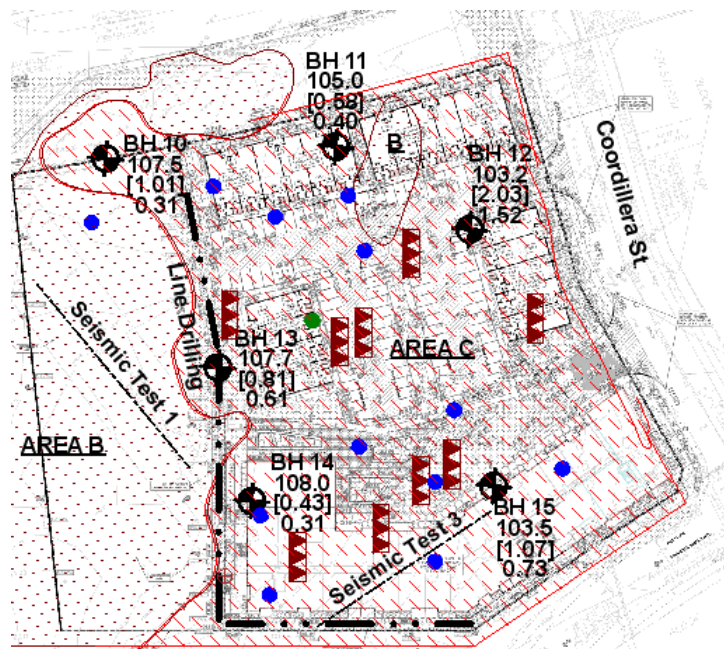


Figure 1: 6301 Campeau Dr. Westerly most line drilling and testholes

Blasting operations are expected to advance the rock cut westward towards



the line of drilling shown in fig. 1 via subsequent lines of drill holes enabled for blasting. Note that the line as shown in the figure is at an offset of approximately 1.5 m from the dashed line in the figure understood to represent the limit of the foundation walls of underground parking. The final line will depend on the space required for footings and workers. Note also that the east end of the southerly most line of drilling is determined by the 101.0 m elevation as depicted by the level contour at that elevation. The underside of foundation is at the 100.4 elevation suggesting the cut further to the east is ± 0.6 m and/or a sound rock bearing surface.

It can be seen in fig. 1 that the subject westerly most line of drilling is near area B, wherein the rock outcrop is largely exposed and vegetation is scarce. The nearest testholes and the outcrops shown in the figure suggest soil overburden of 0 to 1 m along both lines.

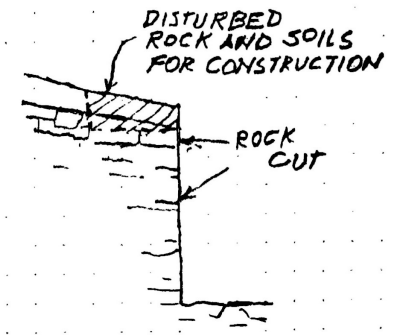


Figure 2: Geometry of Rock Cut

The geometry of the cut can be expected to be the geometry shown in fig. 2 in page 2 as per the best surface and subsurface information available and our interpretation of site conditions. Some degree of disturbance noted in the figure is expected to accommodate drilling equipment and construction operations.

Shoring is not required. Any soil cut along the disturbed soils portion depicted in fig. 2 is to meet the provisions in the Occupational Health and Safety Act for temporary open cut. Cutting a 1 (vertical):3 (horizontal) slope on soils westward from the disturbed portion could be considered among alternatives to restore the final stable grades through soils if present at some locations along with other considerations from landscape design and safety.

Do not hesitate to contact us if you have any questions.

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