



August 17, 2022

Cheryl McWilliams MCIP, RPP
Planner 3
Rural Planning
Planning, Real Estate and Economic Development Department
City of Ottawa
110 Laurier Ave W
Ottawa K1P 1J1

Re: **OTT-00229886-A0** **Humanics Sanctuary**
3400-3468 Old Montreal Road
Summary of Phase 1A Civil Works
City File Number D07-12-21-0222

The proposed Humanics Park development is located within lots 3400-3486 Old Montreal Road. This letter provides a summary of the civil design as it relates to the first development phase, referred to as Phase 1A.

Phase 1A will consist of work within the eastern half of the site, as detailed on the Proposed Site and Landscape Plan, SP-1, rev.18 dated August 17, 2022. Proposed works include constructing the heavy-duty granular access between the north and south property limits and washroom facility. The washroom facility will be serviced by a septic system designed by Green Valley Environmental. Toe erosion protection is proposed along the watercourse, west of the site access from Old Montreal Road. The Limit of Development Line remains unchanged from the 2017 approved drawings. Refer to the Site Servicing and Grading Plan - Phase 1A, SGP-1A, rev 10 dated August 17, 2022, and Erosion and Sediment Control Plan - Phase 1A, ESC-1A, rev. 8, dated August 17, 2022 for further details. Other works include installing underground hydro electrical utilities including a pad mount transformer.

The previously approved Site Servicing and Stormwater Management Report dated July 2017 provides a brief description of the existing site conditions. It also includes the servicing and stormwater management scheme for the ultimate site development. However, with the development being broken into multiple phases, this letter provides an overview of the servicing and stormwater management scheme for the first phase of development.

Stormwater Management

In terms of stormwater management for Phase 1A, the criteria used for design is to maintain the pre-development release rates for all storm events up to and including 100-year storm. The extent of development included in phase 1A does not change the land cover of the site from the existing conditions. The grading up to the limit of phase 1A development is also proposed to closely follow pre-development condition where the stormwater discharges to the watercourse to the north of the development within the property boundaries by means of sheet drainage and a culvert near the entrance from the Old Montreal Road. There will be various temporary and permanent erosion and sediment control measures implemented during the phase 1A construction such as installation of rip-rap and armour stone within

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Summary of Phase-1A Civil Works
Proposed Humanics Sanctuary and Sculpture Park
3400/3486 Old Montreal Road, Part of Lot 7, Concession 1, Old Survey, Ottawa ON
OTT-00229886-A0
August 12, 2022

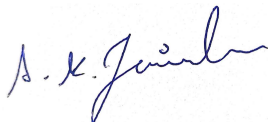
the watercourse, silt fence around the construction area, straw bale check dam, etc. Details can be found on the previously noted drawings and the Details and Notes – Phase 1A Drawing, DET-1A, rev 8 dated August 17, 2022.

Sanitary Servicing

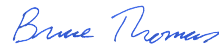
An on-site septic system designed by the Green Valley Environmental will be installed during phase 1A to service the washrooms and future pavilion building. The total anticipated sanitary flow from the proposed washrooms and future pavilion building is 4,320 L/day (120 person * 36L/day/person). The previously approved sanitary flows in the Site Servicing and Stormwater Management Report dated July 2017 was 4,100 L/day, which closely aligns with the new proposed flows.

Please refer to the Civil design drawings for additional information and specific requirements. We trust that the information contained in this letter will be satisfactory for your purposes. Should you have any question or require any additional information, please do not hesitate to contact this office.

Sincerely,
exp Services Inc.



Aaditya Jariwala, M.Eng.
Engineering Designer
Infrastructure Services



Bruce Thomas, P.Eng.
Senior Project Manager
Infrastructure Services

c.c. Dr. Ranjit Perera – Humanics Universal Inc.