



Muncaster
Environmental
Planning Inc.

April 14, 2022

Dr. Ranjit Perera
President, Humanics Universal Inc.
601 Brookridge Crescent
Orleans, Ontario
K4A 1Z6

Dear Dr. Perera:

**RE: Humanics Sanctuary and Sculpture Park
Scoped Environmental Impact Statement – Two Gazebos**

Great to catch up this week and many thanks for your assistance. On April 12th, 2022 I reviewed the proposed locations and adjacent lands of two gazebos in the north portion of the Humanics Sanctuary and Sculpture Park, south of Old Montreal Road. The municipal address is 3468 Old Montreal Road. The field survey was completed from 08:00 to 09:20 under good weather conditions, with sunny skies, a light air, and a temperature of 11°C.

Map 1 below is an excerpt from the Site Servicing and Grading Plan prepared by exp Services Inc. (revised December 3rd, 2021) which shows the proposed locations of the two gazebos. The north gazebos, closest to Old Montreal Road, is referred to as the ‘Islamic gazebo’, while the gazebo to the south is known as the ‘Charter of Rights and Freedom gazebo’. As shown on the Site Servicing and Grading Plan the proposed locations of the gazebos are within the Environmental Setback (brown dashed line). The Environmental Setback is defined as 15 metres from the Crest of Slope (black dashed line) associated with a ravine containing a tributary of Beckett’s Creek. The purpose of this scoped EIS is to assess potential impacts associated with placing the two gazebos within the outer portion of the 15 metre setback.

Islamic Gazebo

The north Islamic gazebo will be small, approximately 3.6 metres in diameter, and octagonal in shape. It will be built on a concrete slab, and made of wood and brick with a small copper dome. With the dome, the Islamic gazebo will be approximately 4.5 metres in height. The gazebo will be ‘walk-in and walk-out’ in nature, with interpretative panels. The gazebo has been situated to provide a clear site line in the direction facing towards Mecca. No servicing will be required for the operation of the gazebo.

Canadian Charter of Rights and Freedoms Gazebo

The south gazebo will be approximately eight metres to the south of the Islamic gazebo. This rectangular gazebo will also be small, approximately 3.6 x 4.3 metres. It will also be built on a concrete slab, and made of wood and brick. The Canadian Charter of Rights and Freedoms gazebo will be also 'walk-in and walk-out' in nature and have interpretative panels. No servicing will be required for the operation of this gazebo.

Existing Conditions

Significant woodlands and valleylands were identified by McIntosh Perry (2017) in association with the Beckett's Creek tributary ravine to the west of gazebo locations. No wetlands or channels were observed on or adjacent to the proposed gazebo locations. Sandy soils dominate the tablelands, with clay soils more common within the ravine.

The footprint of both gazebos will be at the outer edge of an upland mixed forest. This forest was described by McIntosh Perry (2017) as a dry-fresh hardwood – hemlock mixed forest. The concrete slab for the south gazebo is existing (Photo 2) and the location of the north gazebo currently contains a small stockpiling area of larger cobbles (Photo 1). No additional trees will be removed for the gazebo construction. Examples of the larger adjacent trees to be retained include sugar maples up to 25cm diameter at breast height (dbh), bur oaks and white spruce in the 35 – 40cm dbh range and a 50cm dbh white pine. Smaller yellow birch, red maple, and poplars are also present. There are dirt and wood chip pathways in the vicinity of the gazebo locations (Photo 3), along with the gravel driveway entrance south off Old Montreal Road to the east of the gazebo locations. The driveway, parking areas, and pathways are all made of permeable material.

No Species at Risk were identified by McIntosh Perry (2017) in the vicinity of the proposed gazebo locations. Four butternuts were identified by McIntosh Perry (2017) on the overall site, with all of the butternuts assessed as unhealthy (Category 1) by McIntosh Perry (2017). The closest of these Category 1 butternuts is more than 25 metres from the gazebo locations. No healthy butternuts were observed within 50 metres of the gazebo locations during the April 12th survey.

The gazebos will be located a minimum of 10 metres from the crest of slope. The crest of slope is well treed as are the portions of the valley leading to the tributary of Beckett's Creek. The tableland setback from the crest of slope is forested closer to the crest save for the permeable pathways, with intermittent tree cover in the outer portions of the setback.



*Photo 1 – Proposed location of the Islamic gazebo (north gazebo).
View looking north towards Old Montreal Road*



Photo 2 – Proposed location of the Canadian Charter of Rights and Freedoms gazebo (south gazebo). View looking west towards the crest of slope and Beckett's Creek tributary ravine



Photo 3 – Typical condition of setback between the proposed gazebo locations and the crest of slope (to left) with a permeable pathway. View looking north towards Old Montreal Road

Assessment

Although the two gazebo locations will be within the outer limit of the 15 metre setback associated with the crest of slope of the Beckett’s Creek tributary valley, the construction and operation of the two gazebos is not anticipated to result in a detectable impact on the natural environment including the features and functions of the Beckett’s Creek tributary ravine due to:

- the small size and relatively benign use of the gazebos, with no servicing or excavations required. The gazebo size will not generate a noticeable amount of roof runoff;
- the gazebos are located at the outer edge of the crest of slope setback and will not require tree removal for construction or operation; and,
- the setback has a gentle slope and is well treed with permeable pathways present. With the sandy soils, any minor runoff is anticipated to infiltrate before reaching the crest of slope. There will be a minimum of ten metres between the footprints of the gazebos and the crest of slope.

Conclusion

This scoped EIS assesses the proposed construction and operation of two gazebos located in the outer portion of the 15 metre crest of slope setback from the Beckett's Creek tributary ravine to the west. Significant natural heritage features in proximity to the proposed gazebos include the significant woodlands and valleylands associated with the ravine and the fish habitat within the tributary. No Species at Risk issues were identified for the gazebo locations.

The construction and operation of the two gazebos is not anticipated to result in a detectable impact on the natural environment including the features and functions of the Beckett's Creek tributary ravine due to:

- the small size and relatively benign use of the gazebos with no servicing or excavations required. The gazebo size will not generate a noticeable amount of roof runoff;
- the gazebos are located at the outer edge of the crest of slope setback and will not require tree removal for construction or operation; and,
- the setback has a gentle slope and is well treed with permeable pathways present. With the sandy soils, any minor runoff is anticipated to infiltrate before reaching the crest of slope. There will be a minimum of ten metres between the footprints of the gazebos and the crest of slope.

Based on this assessment it is concluded that an Environmental Setback of 10 metres from the crest of slope is sufficient for the footprints of the proposed gazebos.

Reference

McIntosh Perry Consulting Engineers Ltd. 2017. Environmental Impact Statement & Tree Conservation Report. Application for Site Plan Approval & Zoning By-law Amendment 3400 Old Montreal Road, City of Ottawa. Amended June 29th, 2017. 36 pp & append.

Please call if you have any questions or comments on this scoped assessment.

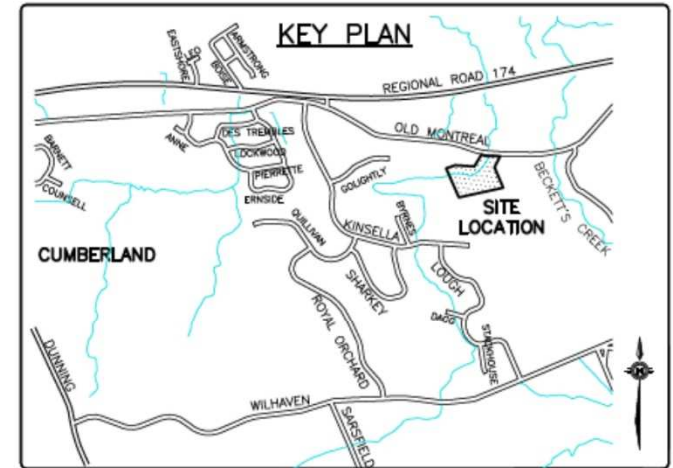
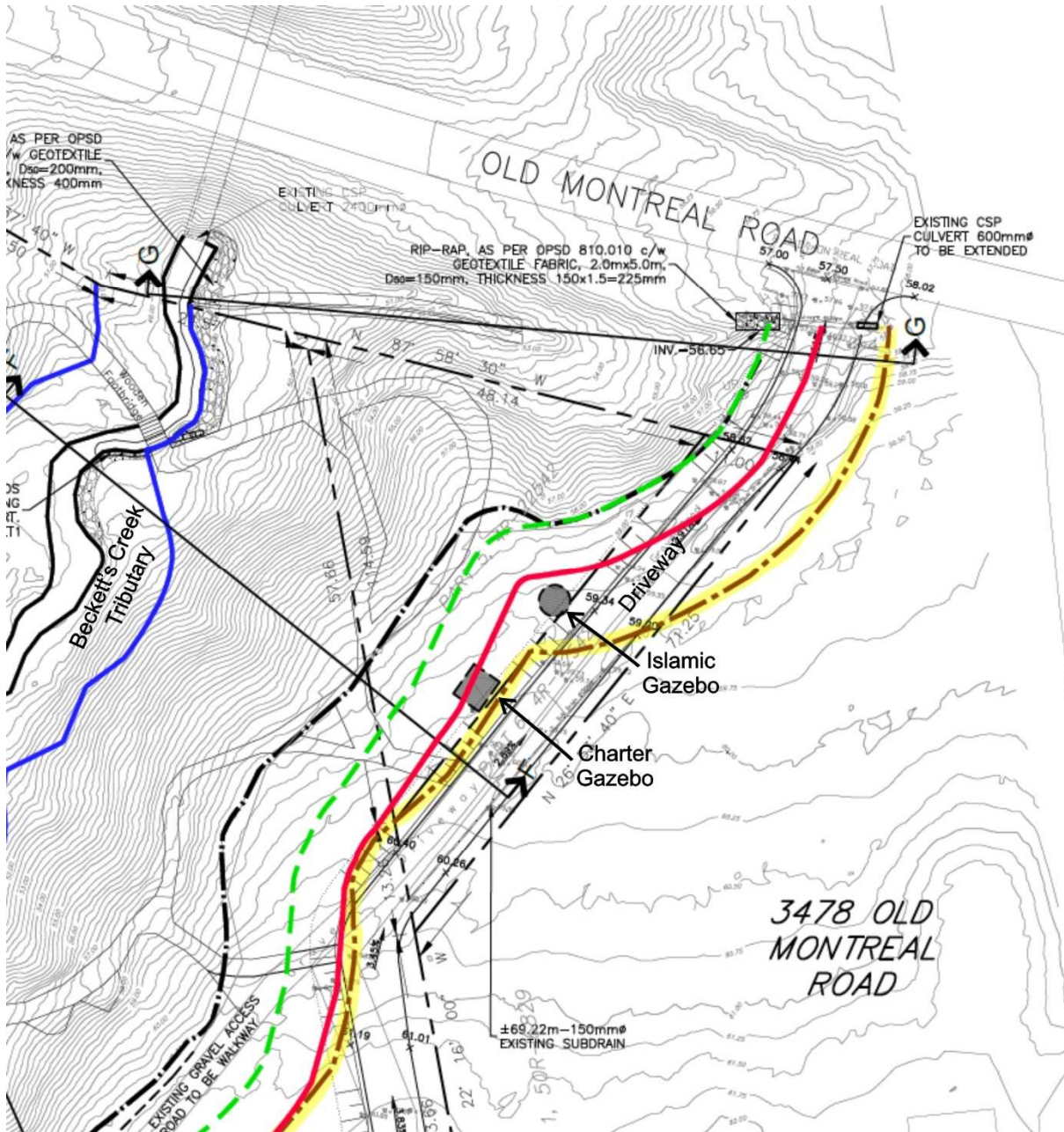
Yours Sincerely,
MUNCASTER ENVIRONMENTAL PLANNING INC.



Bernie Muncaster
Principal

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Map 1 – Portion of Grading Plan by exp Services Inc. (2021)
With Proposed Gazebo Locations



LEGEND

- PROPERTY LINE
- OH — EXISTING OVERHEAD HYDRO & POLE
- EXISTING HYDRO EASEMENT
- x- EXISTING CHAINLINK FENCE
- ||||| PROPOSED TERRACING TO MATCH EXISTING GRADE (SLOPE 3:1 MAX.)
- - - - - PROPOSED SWALE
- - PROPOSED INFILTRATION TRENCH
- == == == PROPOSED CULVERT
- ⊙ WELL 2 WELL LOCATION
- ⊕ TP4 TEST PIT LOCATION
- ⊕ BH2 BOREHOLE LOCATION
- FF= FINISHED FLOOR ELEVATION
- USF= UNDERSIDE OF FOOTING ELEVATION
- 89.50 EXISTING CONTOUR
- █ PROPOSED LIMIT OF DEVELOPMENT
- CREST OF SLOPE
- LIMIT OF HAZARDOUS LANDS
- - - - - STABLE SLOPE ALLOWANCE
- ENVIRONMENTAL SETBACK
- EROSION ALLOWANCE
- TOE OF SLOPE