

LCA Environmental Consultants

December 15, 2022

Bryan Boles CPA, CA, MBA, Director of Corporate Services/Treasurer
City of Port Colborne – Vale Health & Wellness Centre
550 Elizabeth Street
Port Colborne ON L3K 2C3

Dear Mr. Boles

**Re: Violation Notice 1-1VTUJB; Response to MECP Correspondence - Addendum
Nickel Beach, Port Colborne**

Further to the LCA report dated December 13, 2022, this report serves as an addendum to said report to address the additional questions from MECP received on December 14, 2022. The location of the berm and rope fencing are depicted in Figure One.

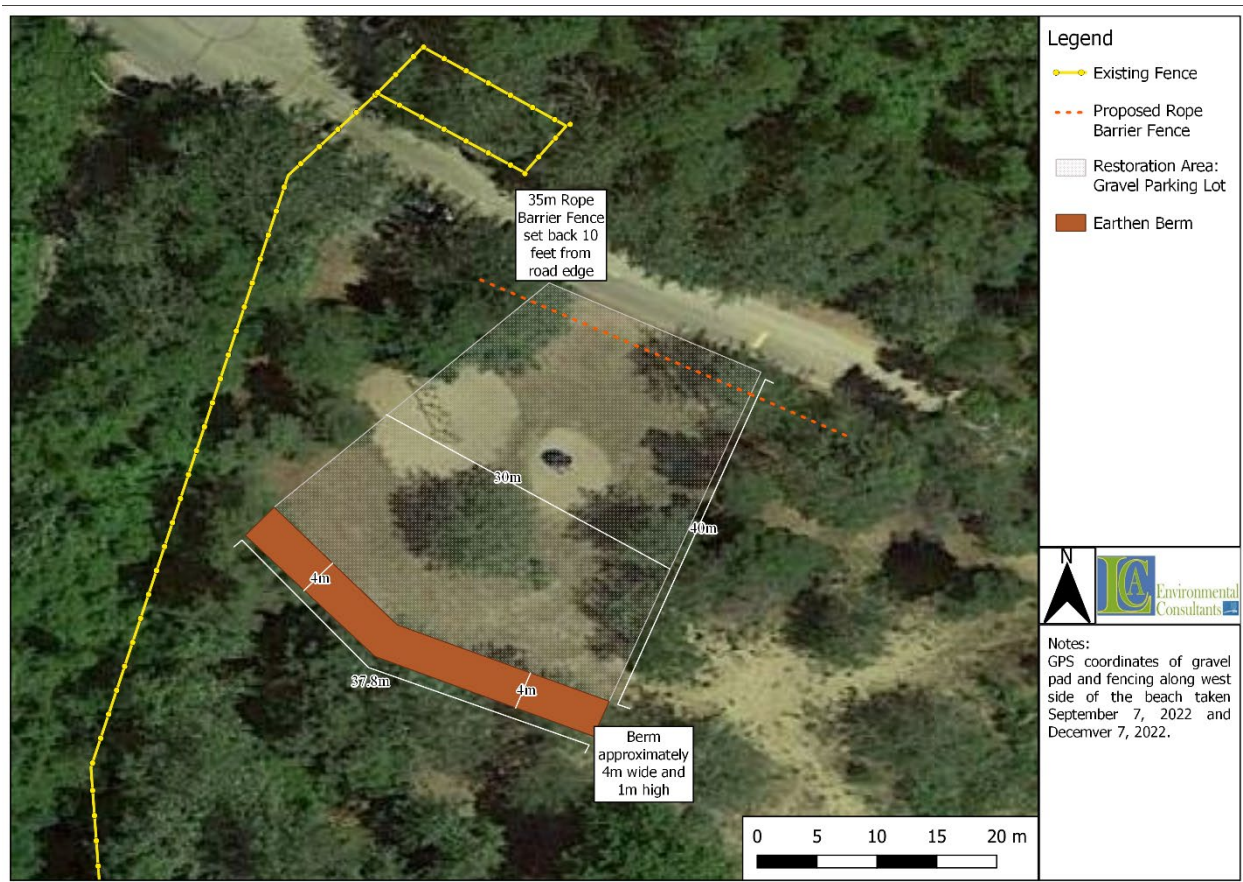


Figure One: Location details for the gravel area, berm and rope fencing.

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The berm along the western limit of the gravel area is composed of the native topsoil that was removed prior to laying down the gravel. The topsoil was simply pushed to the base of the existing pine trees at the western limit as indicated in Figure One and Photograph 1. Additional photographs of the berm and surrounding landscape are presented in Appendix A of this report.

The existing fence and fill pile documented in the December 13, 2022 LCA report are visible in the background of this photograph. The existing fence is located approximately 3 metres beyond the earthen berm.



Photograph 1: Earthen topsoil berm at western limit of gravel (view west from gravel pad).

The additional information and details are as follows:

1) Dimensions and pictures of the berm

The berm along the western limit of the gravel area measures 4.0 metres in width at the base and an average of 1.0 metre in height. The volume of material is estimated at approximately 76 cubic metres. Photographs of the berm and general area are included in Appendix A.

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2) *An updated map showing where the rope fencing will be installed*

As indicated in Figure One (above), the rope barrier fence will extend from the base of the large tree demarking the edge of the northern paved area and extend approximately 10 metres past the southern limit of the gravel area into the area previously used to accommodate the portable washrooms in 2022. The rope barrier will be located approximately 10 off the visible paved road limit to ensure that the posts can be augured into the ground and allow for safe walking area at the road's edge. Please note that all gravel will be removed so it is expected that the edge between the road surface and rope barrier will likely vegetate over time.



Photograph 2: Proposed location and length of rope barrier fence (see limits on Figure One) for context.

Note: The trailer seen in this photo on the gravel area will be removed and stored off site

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3) *Details on how/when the rope fencing will be installed*

The style of fence proposed is depicted in the image below and can be installed following the restoration of the gravel area (removal of gravel and spreading of topsoil) in the early spring provided the ground beneath is not frozen. If the ground is frozen then the fence installation should be completed before the end of April once the ground has thawed. The posts will be augured into the ground for stability. As the length of proposed roping is not very long (35 metres or 115 feet), it is estimated that approximately 14 posts will be required at an 8 foot spread.



© Can Stock Photo - csp13786256

Figure Two: representative style of rope barrier fence.

4) *Confirmation of where the gravel will be stockpiled. A map may be useful depending on where it is being stockpiled.*

The City has requested that the gravel be stockpiled on the Vale parking lot area. If Vale does not wish to temporarily store the gravel in that location. The City will store the gravel in the City's storage yard offsite.

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5) *Confirmation that no vegetation removal is required*

There is no tree removal or vegetation required to restore the gravel area and the rope fencing will be positioned such that there is no requirement for vegetation removal.

We trust that the additional information provided in this report addresses the most recent questions regarding the proposed restoration plan. Should you have any questions regarding the information provided in this report, please contact our office through email or by phone at 905-687-4400.

Sincerely,



Lisa Price, M.Sc.
Director

APPENDIX A
Site Photographic Records



Photograph 3: Entrance road, view south from paved area.



Photograph 4: Topsoil berm at western limit (view north from southwest corner).



Photograph 5: View of berm from midpoint of gravel area facing southwest.



Photograph 6: View of berm from atop berm on northwest corner.



Photograph 7: View of berm from southeast corner of gravel area.



Photograph 8: Southern limit of gravel area to be maintained at existing grade.