

# Myler Ecological Consulting

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16 June 2026

Township of Wainfleet  
Planning Department  
31940 Highway #3  
Wainfleet, ON L0S 1V0

Att'n: Lindsay Earl, Manager of Community and Development Services

**RE: Mayr Farms – 33652 Sider Rd, RR1 Wainfleet – Buffer Restoration Plan**

Pre-Consultation on 14 May 2026 identified the option to prepare and implement a Buffer Restoration Plan adjacent to the municipal drain in lieu of preparing an Environmental Impact Study. Myler Ecological Consulting (Myler) was retained by KLS Engineering (KLS) on behalf of Mayr Farms to prepare the Buffer Restoration Plan.

A site visit was conducted with Niagara Region Environmental Planner Lori Karlewicz, attended by representatives of KLS, Mayr Farms and Myler, on 08 June 2026 to observe and confirm the extent of municipal drain riparian area to be restored. The sloped bank of the drain was observed to host natural vegetation, but the tableland area between the gravel yard/lane and the drain was observed to host manicured turfgrass.

Restoration was identified for the turfgrass portion of the north bank of the municipal drain extending from the southwest corner of the existing building east of the grain silos approximately 61 metres westward to the existing farm culvert crossing of the municipal drain and occupying the turfgrass area of approximately 5 metres width (see Figure 1, below).



**Figure 1:** Location and extent of the Buffer Restoration Plan area on the north bank of the municipal drain.

The turfgrass will be replaced by native species meadow to contribute buffer, pollinator/wildlife habitat and linkage habitat along that segment of drain.

Site preparation is recommended for the autumn to coincide with optimal application of native seed. The use of herbicide is not recommended in consideration of the proximity of open water. The existing turfgrass should be turned over and lightly cultivated to a depth of about 2.5 cm to prepare a loose, well drained seedbed.

Autumn sowing of Ontario Seed Company (OSC) Rural Ontario Roadside Native Seed Mixture 8145 is recommended, to be sown at the OSC recommended rate of 25 kg/hectare (i.e., evenly sown 1kg package of seed mixture will more than achieve that rate) along with a nurse crop of Oats sown at the OSC recommended rate of 22-25 kg/hectare (i.e., one kg of Oats sown evenly will more than achieve that rate). The Rural Ontario Roadside Native Seed Mixture is drought tolerant and contains a diverse mixture of native prairie grasses and wildflowers with high wildlife value.

OSC recommends being prepared to mow the area twice during the first growing season if control of aggressive invasive weed growth is required. Mowing should be conducted prior to the weed species setting seed, with the mower set high (i.e., 20cm) to knock flowers off the weeds while minimizing harm to the young native plants. OSC recommends that a single mowing in the early part of the second growing season may also be required. OSC further recommends that pockets of aggressive weeds can instead/also be removed by hand, which may be a practical option for the small Buffer Restoration Area.

Once established, the Buffer Restoration Area is planned to be maintained as a grass and wildflower meadow with maintenance limited to a single late winter mowing once every year or two to prevent establishment of shrubs and trees.

Monitoring of the establishment of the Buffer Restoration area is proposed to include annual observations and photographs of the restored area during the mid/late summer during each of the two years following sowing and provision of a brief technical memo to the Township during each of those years to advise of the success of the Buffer Restoration Plan.

Please let me know if you have any questions.

**Sincerely,**

**Barry Myler  
Biologist**