

NUMBERING SCHEME USED FOR REHABILITATION NOTES REFERS TO AGGREGATE RESOURCES ACT PROVINCIAL STANDARDS FOR A CLASS "A" CATEGORY 1 LICENCE APPLICATION.

Sequence and Direction  
1.3.1 Rehabilitation will be progressive following the general direction of extraction and proceed as limits of extraction (area and depth) are reached (see "Progressive Rehabilitation Sequence", this page). Rehabilitation will follow the Sequence of Operations diagram located on Page 2 of 2. Sufficient working and travel areas will remain active.

Topsoil and Overburden  
1.3.2 Topsoil will be used in the progressive rehabilitation of the pit floor slope areas and where appropriate the pit floor areas (ie. shallow littoral area). Topsoil and subsoil will be stripped, stored, and re-applied separately. Areas of compacted soils will be ripped to alleviate compaction without mixing soil layers. Silt (topsoil and subsoil) will be replaced at variable depths (minimum 150mm-300mm) side slope areas. Overburden material will be used to establish side slopes to desired finished grades (i.e. 3:1 slope).

Progressive Rehabilitation  
1.3.3 & 1.4.3 The proposed rehabilitation includes an opportunity to enhance the biological diversity of the local landscape. Shallow shoreline planting zones will include, but are not limited to locally native non-invasive species such as red-osier dogwood, slender willow and herbaceous plants such as water plantain, lake sedge, swamp milkweed, soft stem bulrush and common cattail; and other native aquatic plants that are suited to the site conditions and present in the local area. The shallow shoreline areas will include nodal shrub plantings near the shore, woody debris and boulders to provide waterfowl and reptile basking, bird perching, and waterfowl nesting locations; and will incorporate a combination of fine sand and coarse stone pond bottom (see Shallow Shoreline Detail, this page). Nodal planting is also proposed within the north setback areas. Planting cells will include a variety of deciduous and coniferous species, including but not limited to white pine, basswood, hemlock, aspen and white birch with secondary focus on species such as choke cherry, alternate-leaved dogwood, highbush cranberry, nannyberry and service berry (see planting detail this page). All ground covers on side slopes shall be maintained and replaced should they fail to establish to control erosion. Trees and shrubs planted in the tree screen or as part of the nodal plantings shall be monitored for a two-year period following planting and shall be replaced in the subsequent if they fail to establish. (see nodal planting detail, this page).

Slope Creation & Rehabilitated Landform  
1.3.4 & 1.4.2 Final pit landform will be in accordance with the drawing as shown on this page. Rough grading to create a stable side slope shall be carried out progressively as extraction proceeds across the site to minimize the final grading work to be undertaken following the completion of resource extraction. Above the water table side slopes will be graded 3:1 and seeded with a grass/legume mixture consisting of locally native non-invasive species to ensure stability. Side slopes will be established using a combination of backfill and/or cut and fill methods using on-site overburden, aggregate material, etc. Above the water table side slopes will be irregular with an average top to bottom grade not steeper than 3:1. Below water extraction and shoreline formation by dragline around perimeter edge of pond directly abutting 3:1 rehabilitated side slopes will be excavated in a manner that will result in the retention of a 5m wide bench along the shoreline above water. This bench allows for equipment manoeuvring and helps ensure the above-water slope remains stable. Below water slopes will occur to the natural angle of repose except where site specific grading to establish shallow shoreline areas occurs. A shallow littoral area will be created in Phase 3 (see typical shoreline section). An undulating shoreline will be created around the edge of the pond. (see undulating shoreline detail, this page).

Progressive Rehabilitation  
1.3.5 Progressive rehabilitation shall follow the Sequence of Operations diagram/ notes on page 2 of 3 and Progressive Rehabilitation Sequence, this page.

Importation of Topsoil  
1.3.4 & 1.4.1 Topsoil and overburden materials shall only be imported from the adjacent existing Lafarge Pit (#5575) to optimize progressive rehabilitation (see also note 1.2.2 on Page 2).

Buildings & Structures  
1.4.4 No buildings or structures associated with aggregate operations will remain on site.

Groundwater Table  
1.4.5 The post extraction water level of the proposed Lake (~238 mASL) and the post extraction ground water table are shown on the rehabilitation drawing, this page, as per hydrogeological assessment.

Internal Haul Roads  
1.4.6 An access road to the shoreline edge may remain on the site.

Surface Water Drainage & Discharge  
1.4.7 Final surface drainage will follow the rehabilitated contours as shown and generally be directed towards the post-extraction pond.

