

Concession 5 -

- 3. MGCS Ministry of Government and Consumer Services

- 12. CVC Credit Valley Conservation 13. MASL - Metres above sea level
- 14. PTTW Permit to Take Water
- 15. NTS Not to Scale



material from above





PROGRESSIVE REHABILITATION

Topsoil placement as needed with new plantings or seeding Mav include lake Pit face filled with existing

N.T.S.

Typical Wetland Detail N.T.S. - Maximum 4:1 slope Place organic material, topsoil, substrates & cover materials, and structures along shallow - wetland edge to promote riparian and shoreline aquatic vegetation, amphibian breeding, and cover for other aquatic organisms



ypical Backfilled Side Slope Detail - Quarry NTS Topsoil placement as needed with new plantings or seeding May include lake Quarry face backlilled v overburden, rock and fill

4. Setback areas / Slopes - Main, North and South Area 4.1. All slopes located above the final water level shall be seeded with an appropriate native, non-invasive seed mix to prevent erosion during operations.

- 4.2. Nodal plantings shall be expanded naturally through seed rain.
- 4.3. Along the setback to significant Woodland B, as shown on drawing 1 of 4, plant species representative of the existing woodland, such as sugar maple (Acer saccharum), American beech (Fagus grandifolia), paper birch (Betula papyrifera), American elm (Ulmus americana), white cedar (Thuja occidentalis), balsam fir (Abies balsamea), eastern hemlock (Tsuga canadensis), red maple (Acer rubrum), trembling aspen (Populus tremuloides), black cherry (Prunus serotina), alternate-leaved dogwood (Cornus alternifolia), gray dogwood (Cornus racemosa), red-osier dogwood (Cornus sericea), shall be planted.
- 4.4. Along the setback to significant Woodland D, as shown on drawing 1 of 4, plant species representative of the existing woodland, such as sugar maple (Acer saccharum), American beech (Fagus grandifolia), red oak (Quercus rubra), paper birch (Betula papyrifera), black walnut (Juglans nigra), American elm (Ulmus americana), alternate-leaved dogwood (Cornus alternifolia), shall be planted.
- 4.5. On north-facing slopes and setbacks which are expected to be cooler and moister, plant species such as white cedar (Thuja occidentalis), white spruce (Picea glauca), Norway spruce (Picea abies), red maple (Acer rubrum), paper birch (Betula papyrifera), American basswood (Tilia americana), shall be planted.
- 4.6. On the east/west-facing slopes and setbacks, plant species such as white pine (Pinus strobus), white cedar (Thuja occidentalis), white spruce (Picea glauca), European larch (Larix decidua), trembling aspen (Populus tremuloides), balsam poplar (Populus balsamifera), sugar maple (Acer saccharum), black cherry (Prunus serotina), red oak (Quercus rubra), bur oak (Quercus macrocarpa), shall be planted 4.7. Within the setback and slope areas shrubs shall also be planted to add diversity and increase wildlife/pollinator diversity, such as: serviceberry (Amelanchier spp.), nannyberry (Viburnum lentago), ninebark (Physocarpus opulifolius), dogwoods (Cornus spp.),
- highbush cranberry (Viburnum opulus), elderberry (Sambucus spp.), choke cherry (Prunus virginiana). 5. Shoreline Wetland - Main, North and South Areas 5.1. Organic material shall be placed in shallow water areas to promote the establishment of shoreline and aquatic vegetation and to create habitat for aquatic fauna and amphibians. Stumps and trees of non-commercial value shall be stockpiled during clearing operations and used as habitat structure. Boulders and rock rubble from the extraction operation shall also be used to increase habitat diversity along the shoreline area, where possible.
- 5.2. In the shoreline wetland areas, shallow emergent marsh vegetation shall be planted in the water with species that may consist of, but are not limited to: red-osier dogwood (Cornus stolonifera), slender willow (Salix petiolaris), and herbaceous plants such as water plantain (Alisma plantage-aquatic), lake sedge (Carex lacustris), swamp milkweed (Asclepias incarnate), softstem bulrush (Schoenoplectus tabernaemontani) and common cattail (Typha latifolia). Riparian Plantings - Main Area
- 6.1. Riparian plantings along Tributary #1, as shown on drawing 2 of 4, shall include a variety of native species including, but not limited to, white cedar (Thuja occidentalis), balsam poplar (Populus balsamifera), pussy willow (Salix discolor), slender willow (Salix petiolaris), red-osier dogwood (Cornus sericea), nannyberry (Viburnum lentago), elderberry (Sambucus canadensis), meadowsweet (Spiraea sp.), fowl bluegrass (Poa palustris), lake sedge (Carex laeviconica), fox sedge (Carex vulpinoidea), blue vervain (Verbena hastata), and spike rush species (Eleocharis spp.).
- 7. Turtle Habitat North Area 7.1. Turtle habitat shall be created in the North Area in the location shown on the plan view.
- 7.2. The turtle habitat pond shall include sediment on the pond bottom to provide a growing medium for plants, and provide habitat for turtles (e.g., overwintering). 7.3. Plant emergent macrophytes shall include species such as pickerelweed (Pontederia cordata), broad-leaved arrowhead (Sagittaria latifolia), water plantain species (Alisma spp.), cattail (Typha sp.), common arrowhead (Sagittaria latifolia), and greater water dock (Rumex hydrolapathum).
- 7.4. Plant submergent macrophytes shall include species such as eelgrass (Zostera marina), broad waterweed (Elodea canadensis), slender naiad (Najas flexilis), common hornwort (Ceratophyllum demersum).
- 7.5. Basking features such as logs or rocks shall be placed throughout the shallow shoreline areas.
- 7.6. Areas of suitable nesting substrate shall be constructed along or adjacent to the shoreline. 8. Meadow in North Area
- 8.1. Meadow habitat for eastern meadowlark and bobolink shall be created in the North Area outside of the extraction at the location shown on the plan view. 8.2. A minimum of 60-80% of the meadow shall be covered by at least three different grass species, such as: poverty oatgrass (Danthonia
- spicata), bottlebrush grass (Elymus hystrix), common panic grass (Panicum capillare), big bluestem (Andropogon gerardii), Canada wild rye (Elymus canadensis), switch grass (Panicum virgatum), wool-grass (Scirpus cyperinus), Virginia wild rye (Elymus virginicus).
- 8.3. At least one of the grass species shall be taller than 50 cm, which shall include at least one of the following: bottlebrush grass (1.3 m), big bluestem (>3.0 m), Canada wild rye (1.3 m), switch grass (1.6 m). 8.4. Remaining 20-40% shall be covered by forbs or legumes such as Canada anemone (Anemone canadensis), black-eyed susan
- (Rudbeckia hirta), common evening primrose (Oenothera biennis), common milkweed (Asclepias syriaca), yarrow (Achillea millefolium), New England aster (Symphyotrichum novae-angliae), and wild bergamot (Monarda fistulosa). 8.5. Meadow seed mixes shall be sown at a rate of 25kg/ha.

FINAL REHABILITATION

- A. General 1. All equipment shall be removed from the site. The building/structures located at 1420 Charleston Sideroad (utilized as an office and quality control lab during operations) may remain on-site.
- 2. No internal haul roads shall remain. 3. The anticipated final end use will be naturalized open spaces with the creation of lakes, vegetated shorelines, islands, vertical faces, wetlands, upland forested areas, riparian plantings adjacent to the existing watercourse, nodal shrub and tree planting on upland areas, grassland meadows and specialized habitat features for bats and turtles.
- 4. The long term average lake levels are:
- Main 400.0 masl North - 399.0 masl South - 393.5 masl

	TOWN OF CALEDON PLANNING RECEIVED
	September 6th, 2023
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Legal Description Part of Lots 15-18, Concession 4 WSCR and Part of Lot 16, Concession 3 WSCR (former geographic Township of Caledon) Township of Caledon Region of Peel

Legend			
· - · ·	Licence Boundary	\nearrow	Additional Land Owned by Licensee
. — .	Limit of Extraction		120m Offset From Licence Boundary
401 400 399	Contours with Elevation Metres above sea level (MASL)	GAS	Pipeline Enbridge Gas Inc.
	Watercourse Permanent (Direction of flow indicated by arrows)	MD	Main Discharge
	Watercourse Intermittent (Direction of flow indicated by arrows)	SD	Secondary Discharge (Discharge not to exceed surface water flow based on existing conditions)
	Water Feature	× - +	Fence 1.2 m post & wire fence unless otherwise noted
	Wooded Area	KUTCH	Extraction Face (Below Water)
	Wetland MNRF Evaluated - Other		Public Road
	Wetland MNRF - Unevaluated		Driveway
	Gradual Grade / Island	KHHHHHHHHH	Railway
¥ ¥ ¥	Grassland	X	Gate
	Woodland		Building/Structure
the state state	Wetland	¢ 3013	Proposed Floor Elevation Metres above sea level (MASL)
	Lake	20:1	Proposed Final Grade (Horizontal : Vertical)
	Meadow		Cross Sections
\bigcirc	Rock Pile & Bat Box Locations (Approximate)		

Legend - Cross Sections				
Licence Boundary				
Limit of Extraction				
Existing Grade - Removed / Altered				
Existing Grade - Undisturbed				
Maximum Predicted Water Table				
Quarry Floor				
Backfilled				
Lake				

Site P	lan Amendmen	ts									
No.	Date			Descriptic	on				Ву		
Site P	lan Revisions (l	Pre-Licencing)									
1	August 2023	Revised dra	awing to incorporat	e updated te	chnical re	port recon	nmeno	lations	C.P.		
No.	Date			Descriptio	on				Ву		
PLANNIN URBANDESIC & LANDSCA ARCHITECTU											
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l N p c	s authorized by the Northern Developm latural Resources ursuant to Subsect of Ontario Regulation prepare and certify	Is authorized by the Ministry of Northern Development, Mines, Natural Resources and Forestry pursuant to Subsection 0.2(3)(f) of Ontario Regulation 244/97 to prepare and certify site plans.					A.				
Applicant CBM Aggregates a Division of St. Marys Cement Inc. (Canada) 55 Industrial Street Toronto, Ontario M4G 3W9											
Project Caledon Pit & Quarry 18722 Main Street, Caledon, Ontario											
MNRF	Licence Refere	ence No.	А	Applicant's Signature							
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Plan Scale: 1:5000 (Arch E) Date August 2023					2023						
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File Name Rehabilitation Plan											
Drawi	Drawing No. 4 of 4										
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