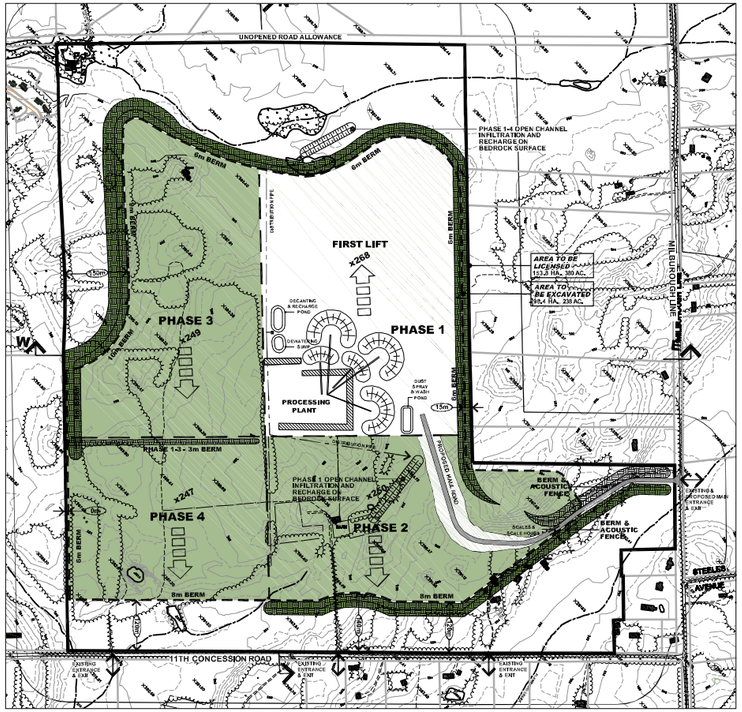
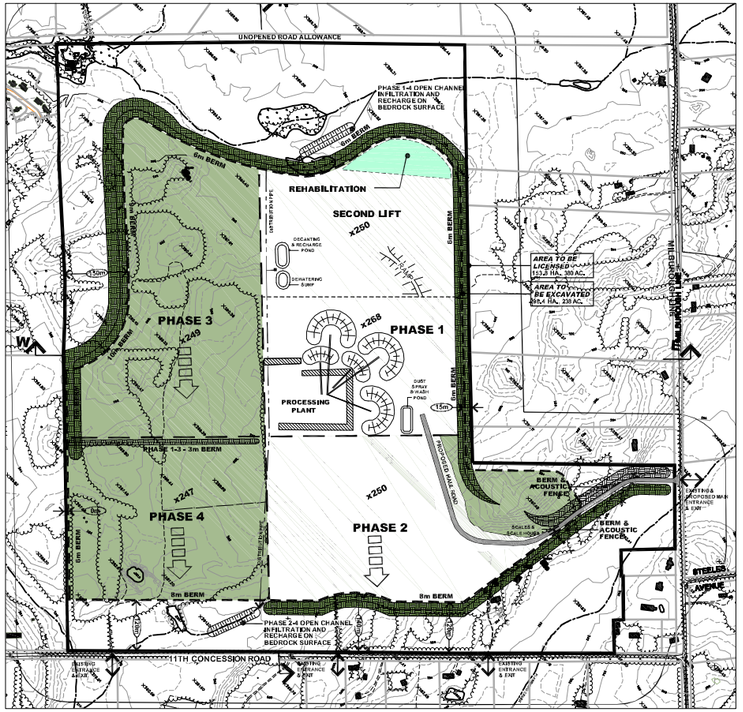


PHASE 1



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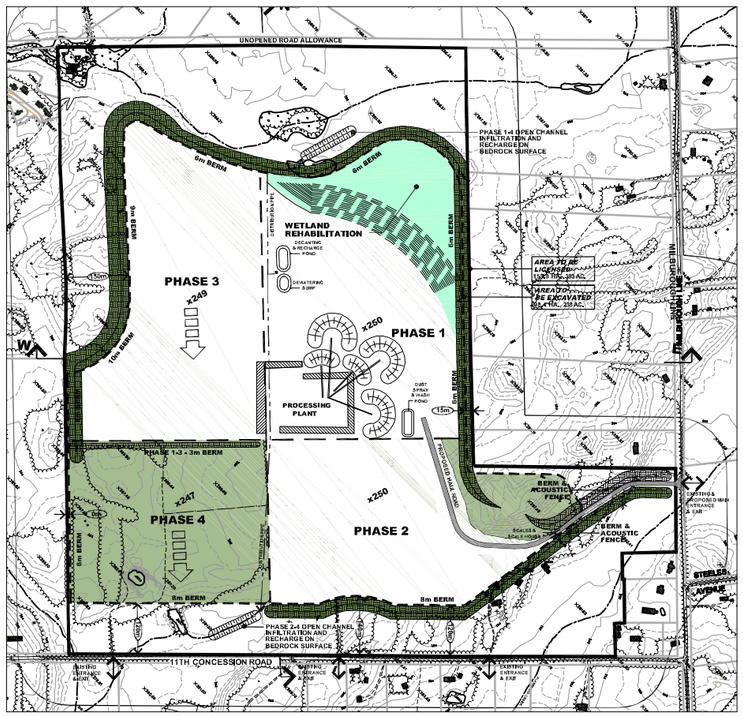
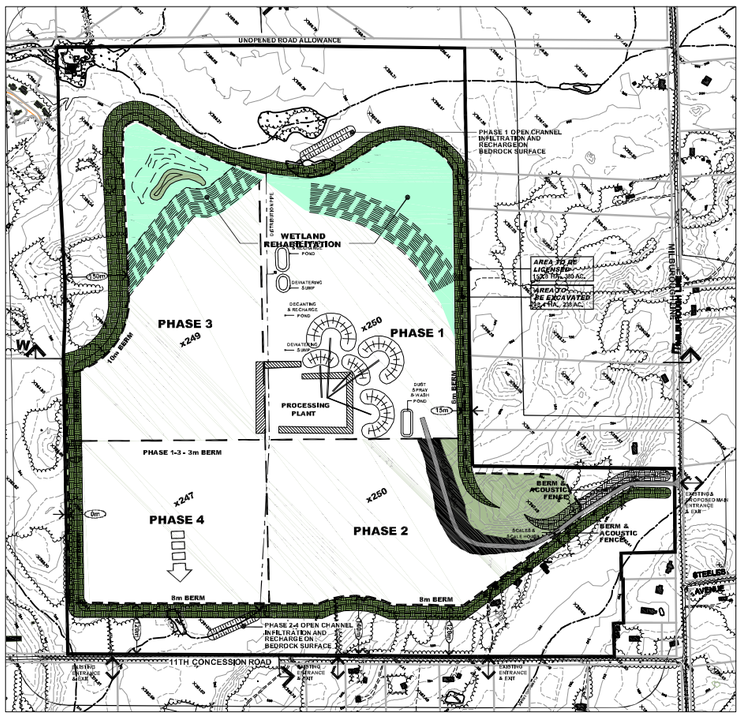


PHASE 3



PHASE 4

GENERAL NOTES

1. THE EXCAVATION SEQUENCE SHOWN ON DRAWING 3 IS ILLUSTRATED SCHEMATICALLY IN FOUR DIAGRAMS ON THIS DRAWING.
2. PROGRESSIVELY STRIPPED TOPSOIL AND SUBSOIL TO CONSTRUCT PERIMETER BERMS, AS SPECIFIED ON DRAWING 6 - SEQUENTIAL NOISE CONTROL PLAN. WHEN REQUIRED BERMS ARE COMPLETED, BACKFILL WILL BE PLACED IN COMPACTED LAYERS, ADJACENT TO THE EXCAVATED WALLS, TO CREATE WETLAND REHABILITATION AREAS IN THE NORTHWEST AND NORTHEAST, AS SHOWN.
3. PROTECTIVE SILT FENCE AND OTHER REQUIRED EROSION CONTROLS WILL BE INSTALLED AROUND THE PERIMETERS OF SUCCESSIVE EXCAVATION AREAS TO PROTECT ON AND OFF SITE SENSITIVE AREAS AND ADJACENT PROPERTIES.

LOWNDES HOLDINGS

15-6400 MILLCREEK DRIVE, MISSISSAUGA, ONTARIO

PROPOSED DOLOSTONE QUARRY

PART OF LOT 1, LOTS 2 AND 3
CONCESSION 11
GEOGRAPHIC TOWNSHIP OF
EAST FLAMBOROUGH
CITY OF HAMILTON

4 of 6

STAGING AND PROGRESSIVE REHABILITATION

PHASE 1

1.1 ALL OF THE OVERBURDEN FROM PHASE 1 IS REQUIRED FOR PERIMETER BERMS AND FOR THE INTERIM BERM BETWEEN PHASES 3 AND 4. THIS PHASE INCLUDES EXCAVATION OF THE HAUL ROAD AND SINKING CUT, TO ENABLE INSTALLATION OF THE PORTABLE PROCESSING PLANT AT THE FIRST LIFT ELEVATION OF APPROXIMATELY 268 M.

1.2 DRAINAGE AND DEWATERING FACILITIES, INCLUDING THE SUMP, DECANTING POND AND STORAGE POND FOR DUST SPRAY AND AGGREGATE WASHING, WILL BE CONSTRUCTED.

1.3 AS PHASE 1 PROCEEDS, THE DISTRIBUTION SYSTEM WILL BE EXTENDED TO THE INFILTRATION AND RECHARGE AREAS SHOWN ON DRAWING 3.

1.4 THE NORTHERLY HALF OF PHASE 1 WILL BE EXCAVATED TO THE SECOND LIFT ELEVATION, AS PHASE 2 IS BEING STRIPPED AND PREPARED. THE DEWATERING SUMP, DECANTING AND RECHARGE PONDS WILL BE RELOCATED TO THE BOTTOM OF THE SECOND LIFT IN PHASE 1.

PHASE 2

2.1 TOPSOIL AND OVERBURDEN WILL BE USED TO EXTEND THE CONCESSION 12 BERM WESTERLY AND TO BEGIN PROGRESSIVE REHABILITATION IN THE NORTHEAST SECTOR OF PHASE 1.

2.2 WHEN PHASE 2 HAS BEEN EXCAVATED, TO THE FIRST LIFT LEVEL, THE PROCESSING PLANT AND STOCKPILE AREAS MAY BE RELOCATED TO THE SECOND LIFT LEVEL. THIS WILL REQUIRE A SITE PLAN AMENDMENT.

PHASE 3

3.1 NO BERM EXTENSIONS ARE REQUIRED FOR PHASE 3. ALL OF THE TOPSOIL AND SUBSOIL STRIPPED FROM THIS PHASE WILL BE UTILIZED FOR THE WETLAND REHABILITATION BACKFILL IN PHASE 1.

3.2 PHASE 3 WILL BE EXCAVATED TO THE FIRST LIFT LEVEL, FOLLOWED BY THE SECOND LIFT LEVEL, PROBABLY AS TWO BENCHES.

PHASE 4

4.1 OVERBURDEN AND TOPSOIL FROM THIS PHASE ARE REQUIRED TO CONSTRUCT THE WESTERLY PERIMETER BERM AND COMPLETION OF THE CONCESSION 12 BERM. ADDITIONAL FILL MATERIALS WILL THEN BE USED TO BACKFILL THE WETLAND REHABILITATION AREA IN PHASE 3.

4.2 THE HAUL ROAD AND BERMS WILL REMAIN UNTIL PHASE 4 IS COMPLETED. FINAL REHABILITATION WILL BE COORDINATED WITH SITE DECOMMISSIONING.

SITE PLAN VARIATIONS

THE FOLLOWING CONDITIONS ILLUSTRATED ON THIS DRAWING VARY FROM THE OPERATIONAL STANDARDS, 1997.

SECTION	CONDITION

FILE: \Lownham\Base plan.dwg
DRAWN: T.M.L. (On Autocad)
CHECKED: R.J.L.
PLOTTED: 16 SEPTEMBER 2004

AMENDMENT NO. ( )

R. J. LONG — REGISTERED PROFESSIONAL PLANNER — PROVINCE OF ONTARIO

R.J. LONG — REGISTERED PROFESSIONAL PLANNER — R.P.P.

No.	DATE	DESCRIPTION	APP'D

AMENDMENTS

NORTH

0 25 50 100 250m 500
1:7,000
1 :14,000 @ 11x17"

LONG ENVIRONMENTAL CONSULTANTS INC.
Environmental Engineers and Planners
Orangeville, Ontario