

LEGEND

- LICENSED / PROPERTY BOUNDARY
- LIMIT OF EXTRACTION
- LOT AND CONCESSION LINES
- PROPOSED SWALE
- EXISTING HYDRO WIRES
- FENCE LINE
- GRCA FLOODLINE
- SURFACE DRAINAGE
- EXISTING TREELINE
- CROSS SECTIONS
- EXISTING TREE
- PROPOSED ENTRANCE / EXIT

REHABILITATION NOTES

1. FINAL EXTRACTION ELEVATIONS: EXTRACTION WILL CEASE AND THE FINAL PIT FLOOR LEVEL FOR EACH PHASE WILL BE ESTABLISHED AT THE ELEVATIONS NOTED ON THE OPERATIONAL PLAN, UNLESS SUBSEQUENTLY ADJUSTED UPWARDLY AS A RESULT OF ONGOING GROUNDWATER MONITORING.
2. REHABILITATION OF PIT FLOOR: AS EACH EXTRACTION PHASE IS FULLY EXTRACTED, THE PIT FLOOR WILL BE WORKED USING A BULLDOZER EQUIPPED WITH A RIPPER TO ALLEVIATE COMPACTION OF THE PIT FLOOR AND TO IMPROVE SURFACE DRAINAGE. THE EQUIPMENT WILL WORK THE PIT FLOOR IN A CROSS-CROSS PATTERN TO ENSURE ALL AREAS ARE ADEQUATELY RIPPED TO A MINIMUM DEPTH OF 0.5 METRES.
3. SLOPING OF FINAL PIT FLOOR: THE PIT FLOOR WILL BE PRE-GRADED TO ENSURE THE POST-EXTRACTIVE SURFACE WATER FLOW WILL GENERALLY REPLICATE THE PRE-EXTRACTION DIRECTION.
4. PROGRESSIVE REHABILITATION: ONCE PHASE 1 IS FULLY EXTRACTED, AS NOTED IN REHABILITATION NOTE 1, EXTRACTION WILL COMMENCE IN PHASE 2. THIS WILL INVOLVE THE STRIPPING OF THE TOPSOIL AND SUBSOIL, AS NOTED IN GENERAL OPERATIONAL NOTE 10 AND IT WILL BE PLACED ONTO THE PHASE 1 PIT FLOOR SUBSEQUENT TO ITS PREPARATION AS NOTED IN REHABILITATION NOTES 2 AND 3. THE EXCEPTION WILL BE THE AREA OCCUPYING THE PROCESSING AREA LOCATED IN PHASE 1 WHICH WILL REMAIN ACTIVE UNTIL EXTRACTION OF PHASE 2 IS COMPLETE. ONCE EXTRACTION OF PHASE 2 IS COMPLETED, THE TOPSOIL AND SUBSOIL WITHIN THE PERIMETER BERMS SHALL BE REDISTRIBUTED AND USED TO REHABILITATED PHASE 2 AND THE PHASE 1 PROCESSING AREA.
5. FINAL SIDESLOPES: THE SIDESLOPES OF THE EXTRACTION AREA WILL BE BACKFILLED TO A FINAL SLOPE OF 3H:1V WHICH HAS A SUFFICIENTLY GENTLY SLOPE FOR AGRICULTURAL EQUIPMENT AND FUTURE CROPS. TO CREATE THESE SLOPES, OVERBURDEN OR OTHER ON-SITE INERT MATERIAL MAY BE UTILIZED.
6. TOPSOIL REPLACEMENT: THE DEPTH OF TOPSOIL AND SUBSOIL THAT IS TO BE RE-APPLIED IS TO BE GENERALLY EQUAL TO THE DEPTH REMOVED WHICH WILL BE A DEPTH OF TOPSOIL BEING +/- 15-20 CM AND A DEPTH OF SUBSOIL BEING +/- 40CM. THIS ACTIVITY WILL OCCUR BY USE OF EARTH SCRAPERS AND OTHER EARTH MOVING EQUIPMENT.
7. REHABILITATION VEGETATION PLANTING: ONCE PHASE 1 IS PRE-GRADED AND THE SUBSOIL AND TOPSOIL IS RETURNED, THE LANDS WILL BE PLANTED WITH A LEGUME CROP. LIKEWISE, ONCE PHASE 2 IS PRE-GRADED AND THE SUBSOIL AND TOPSOIL IS RETURNED, (AS NOTED IN REHABILITATION NOTE 4) THE LANDS WILL BE PLANTED WITH A LEGUME CROP, AND ONCE MATURE, FLOUGHED INKRA. THIS CYCLE SHOULD OCCUR FOR SEVERAL YEARS TO IMPROVE THE SOIL NUTRIENTS OF THE TOPSOIL ESPECIALLY WHERE THE RE-APPLIED TOPSOIL HAS BEEN TEMPORARILY STOCKPILED MORE THAN TWO YEARS.
8. MAINTENANCE OF VEGETATION: DURING THE ONGOING EXTRACTION OF THE SITE AND DURING THE REHABILITATION PHASE, THE LICENSEE WILL CONTINUE TO MONITOR AND MAINTAIN THE VEGETATION ON THE PERIMETER BERMS AND AREAS REHABILITATED. IF ANY SIGNIFICANT PORTIONS OF THE SEEDING DOES NOT ESTABLISH ITSELF ON THE PIT FLOOR OR FINAL SIDESLOPES, IT WILL BE REPLACED IMMEDIATELY DURING THE PROPER PLANTING SEASON.
9. REPLACEMENT OF SOIL: IF ANY SIGNIFICANT EROSION OR GULLING OCCURS ON PORTIONS OF THE SIDESLOPES OR PIT FLOOR DURING AT ANY TIME DURING THE REHABILITATION OF THE SITE, THE LICENSEE WILL REPAIR THE AREA AND RE-SEED AS NECESSARY.
10. SURFACE WATER FLOWS: FINAL SURFACE WATER FLOWS WILL BE DIRECTED IN THE DIRECTION NOTED ON THE PLANS AND THE SURFACEWATER WILL PERCOLATE INTO THE UNDERLYING GRAVEL STRATUM TO IMPROVE GROUNDWATER RECHARGE.
11. POST-EXTRACTIVE FENCES: ALL EXISTING FENCING AND GATES ARE TO REMAIN AFTER THE AGRICULTURE HAS BEEN REMOVED.
12. FINAL LAND USE: THE FINAL LAND USE IS PROPOSED TO BE AGRICULTURE AND THE FINAL AREA TO BE REHABILITATED WILL BE 17.5 HECTARES.
13. FINAL CONTOURS: FINAL CONTOURS ARE INTERPOLATED FROM AVAILABLE GEOLOGIC INFORMATION AT THE TIME OF PREPARATION AND ACTUAL GRADES MAY VARY.

No.	DATE	BY	DESC
1	MMM DD YYYY	XXXX	DESC

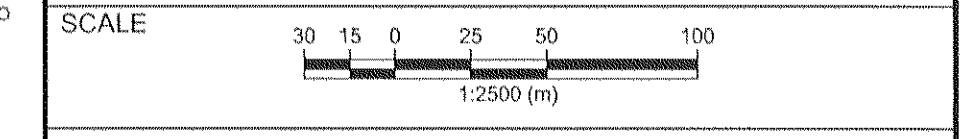
SITE PLAN AMENDMENTS

No.	DATE	BY	REVISIONS PRIOR TO APPROVAL

THESE SITE PLANS ARE CERTIFIED BY THE UNDERSIGNED BY THE AUTHORITY OF MINISTRIAL APPROVAL AS SPECIFIED IN THE AGGREGATE RESOURCES ACT SECTION 8 (4) FOR A CLASS A LICENSE CATEGORY 3 PIT.

DECEMBER 15, 2008

[Signature]
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PART OF LOT 3
 BROKEN FRONT CONCESSION - CROOKS TRACT
 TOWNSHIP OF WOOLWICH
 REGION OF WATERLOO

**JIGS HOLLOW PIT
 REHABILITATION PLAN**