

VARIATION OF OPERATIONAL STANDARDS TABLE

THE FOLLOWING CONDITIONS ILLUSTRATED ON THIS PLAN VARY FROM THE REQUIREMENTS OF THE PROVINCIAL STANDARDS THAT APPLY TO LICENCED PITS AND QUARRIES IN ONTARIO.

VARIANCE	STANDARD
Fencing of the southerly and northerly licensed boundaries is not required until excavation operations commence (Note 18).	5.1
Existing scrap located within 15m setback of the northwesterly boundary will be removed to proposed designated scrap area within one (1) year of approval of the amended site plan (Note 21).	5.9

Note: Should the MNR determine that any conditions in or around the property require additional fencing or gating, the variance may be rescinded.

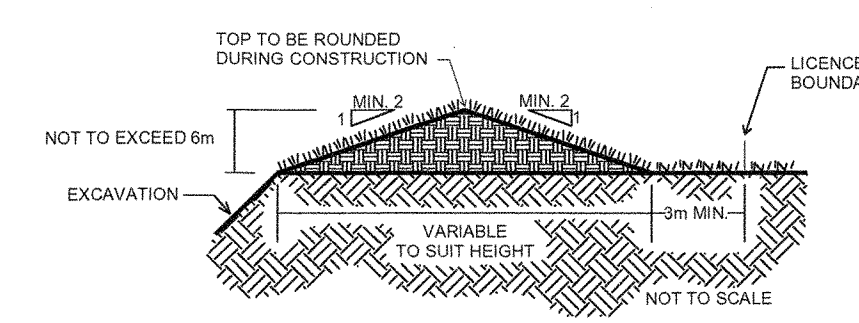
Legend

- Boundary of Area to be Licenced
- - - Regulatory Setback Limit
- - - Limit of Extraction
- - - Lot Line
- x - Existing Fence
- ~ Existing Tree Cover
- ↔ Entrance/Exit
- - - Internal Haul Road
- ← Direction of Extraction
- 361.3 Proposed Depth of Extraction
- ▨ Proposed Topsoil and Overburden Stockpiles
- ⊗ Setback

OPERATIONAL NOTES

- It is proposed that extraction and rehabilitation of the pit will provide for a uniform and productive agricultural after use.
- The pit was proposed to be operated in two Phases as noted on the original site plan prepared by Black, Shoemaker, Robinson & Donaldson Limited, March 31, 1992. Phase 1 has been extracted and was generally located within the area that is now a residential subdivision and the proposed school site. Phase 1 has been prepared to a condition that will allow for the development of the school and is considered as rehabilitated. Excavation of the aggregate in the remaining phase will occur in the direction of the arrows as shown. Provision has been made to allow for the construction of a scale and scale house on site as noted on the plan.
- Limits of extraction are as illustrated on the site plan and shall be staked prior to extraction occurring. No topsoil, overburden or aggregate stockpiles shall be located within 30 metres of the licensed boundary or within 90 metres of the licensed boundary that abuts residential lands.
- As extraction proceeds, the pit faces will extend in a westerly direction. Due to the variable market demands for products and variability of the aggregate resource, extraction may occur simultaneously within a variety of extraction faces. All extraction operations will use loaders and excavators to feed a portable processing plant (crusher and screening equipment).
- Processing operations including the stockpiling of aggregate will be maintained on the pit floor below grade and remain as close to the operating pit face as possible.
- Equipment to be used on site varies dependent on the operations. Equipment used for stripping and rehabilitation operations includes but is not limited to excavators, loaders, bulldozers, motor scrapers and trucks. Processing operations generally use portable crushing, and screening plants with conveyors and stackers. Farm equipment may be used during the progressive and final rehabilitation of the site.
- The proposed depth of extraction shall be to the elevation of 361.0 - 361.3m ASL extending across the pit and shall not occur within 1.0 metre of the established watertable. Should the water table elevation occur at different levels than anticipated, the depth of extraction will be adjusted to ensure a minimum of 1.0 metre is maintained above the water table.
- All existing vegetation within the setback areas and the existing woodlot will be left undisturbed. There will be no trees planted within the site for screening purpose. If there are any trees required to be removed during site preparation operations, they will be utilized for firewood.
- All available topsoil and overburden will be stripped separately in advance of the extraction operations and stockpiled around the extraction area as noted on the site plan or used directly in the progressive rehabilitation of the pit. Initially, sufficient area may not be available to conduct progressive rehabilitation because of the necessity to keep an area of the pit floor open for processing and stockpiling of aggregate. No topsoil or overburden shall be removed from the site.
- Topsoil and overburden stockpiles will be seeded with an appropriate grass legume seed mixture to prevent erosion (see Typical Berm/Stockpile Detail). Topsoil and overburden stockpiles shall not exceed 6m in height.
- Perimeter slopes will be rehabilitated as the limits of extraction are reached. The maximum slope from the limit of extraction will be no steeper than 3:1. Slopes will be established by backfilling with overburden and then graded prior to the placement of the topsoil. Side slopes will be seeded with a grass/legume seed mixture compatible for the soil conditions to control erosion.
- Topsoil will be spread in a sufficient depth to grow and maintain a grass legume seed mixture suitable for the soil conditions.
- All vegetation planted during the pit operation will be maintained in a healthy growing condition. Should any planted vegetation die, it will be replaced within one growing season.
- Extraction will be conducted in compliance with the Ministry of Labour (MOL) requirements (maximum height of 1.5m above the maximum reach of equipment used for removal of aggregate). More than one lift may be required.
- Aggregate will be transported by rubber tire trucks from the active pit face or processed stockpiles using an internal haul road to be established on the pit floor. The internal haul road is temporary and the actual location may vary from the location as shown as operations expand.
- Aggregate will leave the site at the entrance/exit as shown and exit onto Wellington County Road 44.
- There will be no proposed water diversions or points of discharge to surface water as a result of this proposed pit. Post extraction surface drainage will be allowed to percolate through the rehabilitated pit floor and generally reflect the existing surface drainage as much as possible. There will be no washing of extracted material on site and no extraction of aggregate below the water table.
- Due to the continued agricultural use of the undisturbed lands within the pit and lack of extraction operations, it is not proposed to install fencing along the northerly and southerly boundaries of the pit at this time. Staking of the unfenced licensed boundaries with 1.2m marker posts for identification purposes will be completed. Fencing of these boundaries or the fencing of the entire extraction phase shall occur prior to any excavation occurring on site (see Variation of Operational Standards Table).
- There are no buildings or structures proposed to be erected on the site other than a scale and associated scale house.
- No permanent fuel storage facilities will be located on site. All fuelling activities will be in accordance with the Liquid Fuels Handling Code, Technical Standards and Safety Act, 2000, as amended.
- Any scrap resulting from the pit operations will be stored in the designated scrap area noted on the site plan and removed from the site on an ongoing basis. The existing scrap area located within the setback area along the northwesterly boundary will be removed or relocated to the proposed scrap area within one year of approval of this site plan. No temporary scrap will be located within 30 metres of any licensed boundary except where noted on the site plan and the Variation of Operational Standards Table.
- The estimated area to be extracted is 3.2 hectares.
- Dust will be mitigated on site. Water or another provincially approved dust suppressant will be applied to internal haul roads as often as required to mitigate dust.
- The maximum number of tonnes of aggregate to be removed from the site in any calendar year is 30,000 tonnes.

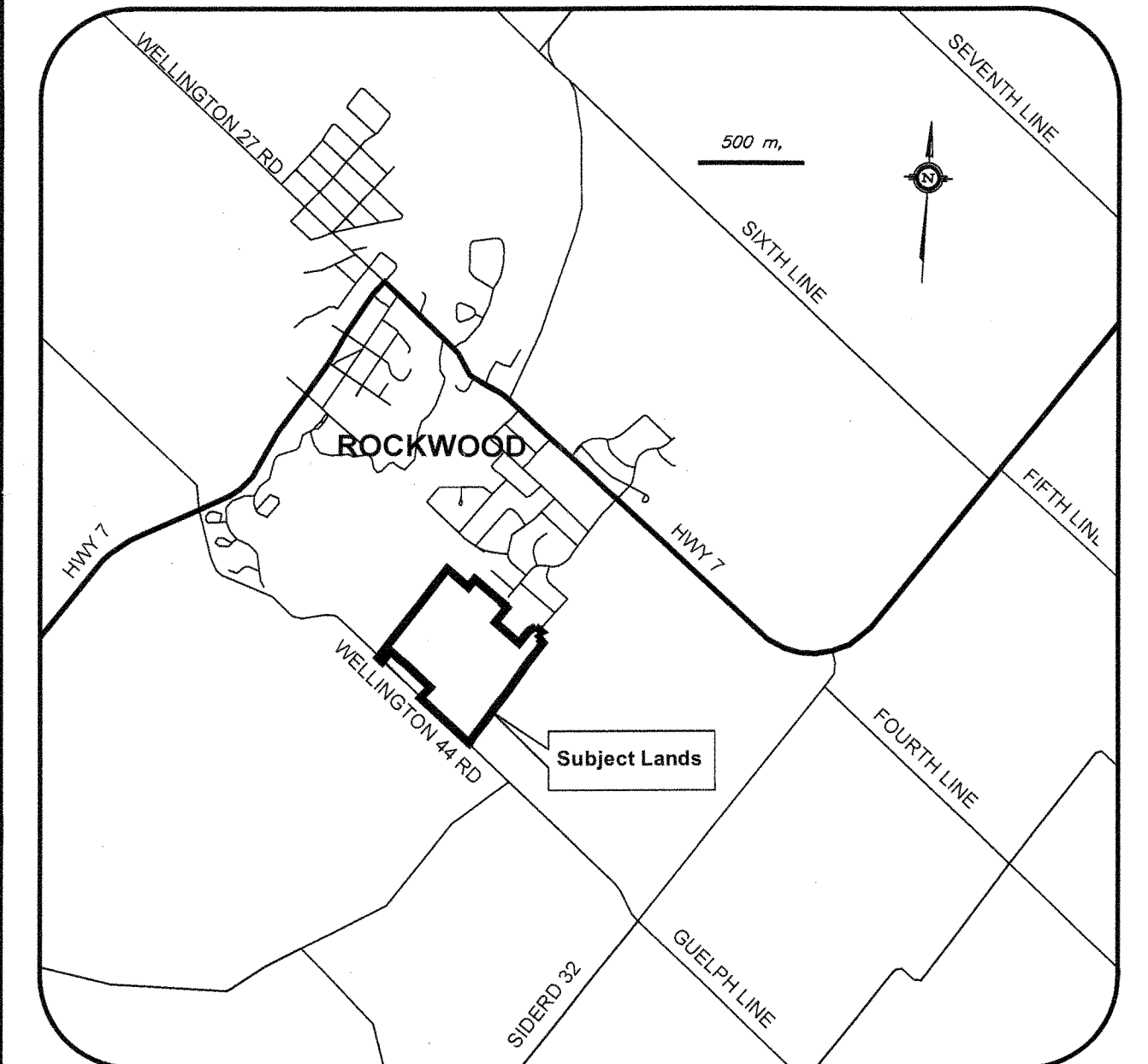
TYPICAL BERM / STOCKPILE DETAIL



BERNARDI PRECAST PIT

PART SW 1/2 LOT 3, CONCESSION 4
TOWNSHIP OF GUELPH-ERAMOSA
(FORMER TOWNSHIP OF ERAMOSA)
COUNTY OF WELLINGTON

Page 2 of 4 OPERATIONAL PLAN



THIS PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS A LICENCE, CATEGORY 3.

THESE SITE PLANS HAVE BEEN PREPARED UNDER THE DIRECTION OF AND CERTIFIED BY A PERSON APPROVED BY THE MINISTER OF NATURAL RESOURCES (AS PER SECTION 8(4) OF THE AGGREGATE RESOURCES ACT).

SIGNATURE: *[Signature]* DATE: SEP 16 2013

1253252 ONTARIO LIMITED
412 Elizabeth Street
Guelph, Ontario N1E 2Y1

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REVISED: Sep 06, 2013 APPROVED: R.J.G CHECKED: R.J.G

No.	DATE	DESCRIPTION	APP'D
AMENDMENTS			



ROBERT GIBSON CONSULTING SERVICES INC.
15 IDLEWOOD DRIVE KITCHENER, ONTARIO N2A 1H9
PHONE (519) 894-0273 FAX (519) 894-9526