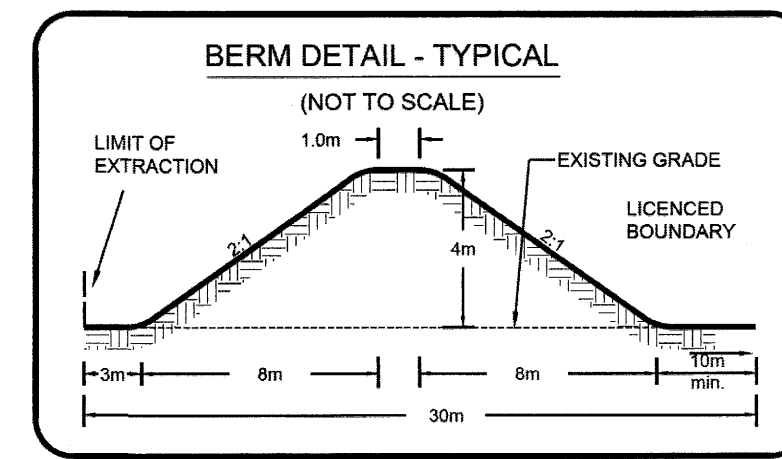
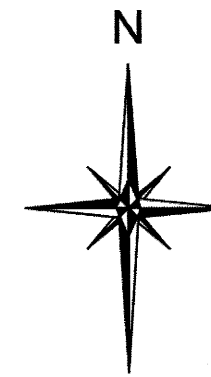


## DECLARATION OF PURPOSE

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

PART LOT 15, CONCESSIONS 7 & 8  
AND PART OF THE UNOPENED ROAD ALLOWANCE BETWEEN  
CONCESSIONS 7 & 8 AND LOTS 15 & 16  
GEOGRAPHIC TOWNSHIP OF UXBRIDGE  
TOWNSHIP OF UXBRIDGE  
REGIONAL MUNICIPALITY OF DURHAM

50 0 50 100 150 metres  
SCALE 1:2500



## L. Washing

- No washing operation will occur on site.

## M. Fuel Storage and Equipment Maintenance

- No storage of fuel will occur on site.
- Equipment will be fuelled by a mobile refuelling tank in accordance with the Liquid Fuel Handling Code.
- Mobile equipment will be serviced off site.
- Stationary equipment will be serviced on site.
- All petroleum waste products will be collected and disposed of by an MOE approved agent.
- A Spills Contingency Plan will be in place prior to the operation of any equipment on site.

## N. Auxiliary Uses of the Site

- Recycled asphalt, concrete and masonry materials may be imported and temporarily stored in the imported material storage area shown for blending with native aggregate.
- Limestone products, including clear stone, rip-rap, gabion stone, crusher run and screenings, may be imported and temporarily stored on site for the purpose of resale and/or blending with on site products.
- Imported materials will be stored in the area shown. Imported materials will not be stockpiled within 30 m of any water body or man-made pond, or 2 m of the surface of the established water table.
- Removal of imported materials is to be on-going.
- Once aggregate on site has been depleted, no further importation of materials will be permitted.
- All imported materials will be removed from the property prior to final rehabilitation of the site.

## O. Recommendations of Technical Reports

- Air Quality Assessment Report
  - A speed limit of 20 km/hr shall be strictly enforced on all internal haul roads.
- On dry days when operations are occurring, a water truck shall be deployed with a sufficient capacity to be able to cover the active area of the pit, which induces the scale house and site access area, at a frequency of three to four full tanks per day. The water supply must therefore be capable of providing up to 45,500 litres of water per day under worst-case conditions.
- In situations where winds are blowing from the proposed expansion area towards the nearest sensitive receptors, extraction in that area shall be suspended if the condition of the active face is dry and dusty, and the wind is directed toward the sensitive receptor at a speed sufficient to cause wind-spread visible erosion of the open face. The active face shall then be stabilized with water sprays or chemical binder as quickly as possible.
- Water spray cannons must be available to stabilize the exposed pit face or stockpiles when required.
- An implementation plan shall be put in place that addresses the chain of responsibility for dust control, staff training, inspection and maintenance of dust control equipment, visual inspection of dust sources, record keeping and complaint response.
- Acoustic Assessment Report
  - A noise impact analysis using a noise propagation model for the representative residential receptors has demonstrated that the expected worst-case noise emissions from the proposed pit comply with all requirements of the applicable NRC documents for the operation period from 6am to 7pm. As such, the operations of this pit do not require mitigation procedures, provided that the Phase 2 excavation operations do not encroach on the identified restricted area for operations during this time period.
- The minimum height of the proposed berm is to be 4 m.

## P. Variations from Provincial Standards

- Northerly boundary will not be fenced. As existing fencing is removed, the northerly boundary will be delineated with painted stakes. (5.10.1)
- There will be no setback where the licence boundary abuts the adjacent licenced pit. This will allow extraction to a common elevation, optimum resource recovery and comprehensive rehabilitation of the sites. (5.10.1)

## LEGEND

	LICENCED BOUNDARY
	LIMIT OF EXTRACTION
	LINE INDICATING ALL POINTS WITHIN 120m (MINIMUM) OF LICENCED BOUNDARY
	PROPERTY LINE
	POST & WIRE FENCE (UNLESS OTHERWISE NOTED)
	PUBLIC ROAD
	INTERNAL HAUL ROAD
	OVERHEAD HYDRO LINE
	EASEMENT
	SILT FENCE
	BUILDINGS AND STRUCTURES
	CONTOURS AND SPOT ELEVATIONS
	EXISTING PIT ENTRANCE/EXIT
	GATE
	WOODED AREAS
	MAXIMUM DEPTH OF EXCAVATION
	SECTION ARROWS
	CULVERT
	PROPOSED TOPSOIL AND/OR OVERBURDEN BERM (MINIMUM HEIGHT)
	DIRECTION/SEQUENCE OF PHASED EXTRACTION
	IMPORTED MATERIAL STORAGE AREA

## SCHEDULE OF REVISIONS (PRE APPLICATION)

NO.	DATE	DESCRIPTION	APPROVED

## SCHEDULE OF AMENDMENTS

NO.	DATE	DESCRIPTION	APPROVED



JAY CLARK, P.ENG

DATE

TRUDY P. PATERSON  
IS APPROVED BY THE  
MINISTRY OF NATURAL RESOURCES  
PURSUANT TO SECTION 8 (4) OF THE  
AGGREGATE RESOURCES ACT TO  
PREPARE AND CERTIFY SITE PLANS.



TRUDY P. PATERSON

DATE

VICDOM UTICA PIT  
TOWNSHIP OF UXBRIDGE

LICENSEE: Vicdom Sand and Gravel (Ontario) Limited  
3900 Lake Ridge Road, P.O. Box 1359  
Uxbridge, Ontario  
L9P 1N6

## OPERATIONAL PLAN

PROJECT NO. 12 - 2630		DRWG. NO. 2630 - 2 OF 3	
DATE: JANUARY 2014		SCALE: 1:2500	
DRAWN: CAP	CHECKED: 	APPROVED: 	



ENGINEERING PLANNING ENVIRONMENTAL CONSULTANTS

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BARRIE, ONTARIO L4M 5G1  
www.skeltonbrumwell.ca

TELEPHONE (705) 726-1141  
FAX (705) 726-0331  
TOLL FREE (877) 726-1141

## A. General

- Area to be Licenced 18.89 ha  
Area to be Extracted 15.10 ha
- The established groundwater table is at an elevation of 322 masl on the site based on Groundwater Table Elevation Proposed Utica Pit - Utica by Genivar Inc., dated May 31, 2013. Depth of extraction will not exceed 1.5 m above the established water table as shown on this Plan.
- Annual extraction will not exceed 500,000 tonnes.
- The east licence boundary provides for a 3.0m widening along part of Lake Ridge Road.

## B. Hours of Operation

- Operations are permitted only from 6 am to 7 pm Monday to Saturday inclusive except no operations are permitted on public holidays as defined by the Employment Standards Act.
- Extraction, screening and transportation are permitted for a maximum of 11 hours on any day.
- No extraction, screening or transportation operations are permitted in AREA 2 between 6 am and 7 am.
- No extraction or screening operations are permitted in AREA 1.

## C. Drainage and Siltation Control

- Drainage of undisturbed areas will continue as shown and described on the Existing Features Plan.
- Drainage of extracted areas will be contained on-site and will infiltrate into the pit floor.
- Silt fence will be installed in each phase as shown prior to construction of perimeter berms to prevent siltation of the setback and adjacent lands.
- The silt fence will be maintained until the berms are vegetated.

## D. Fencing

- Post and wire fencing, minimum height 1.2 m, will be installed along the licenced boundary within 6 months of licencing except where the licence boundary abuts the existing licenced pit to the north.
- As existing fencing along the north boundary is removed, the boundary will be delineated with painted stakes.
- The entrance/exit of the adjacent licenced pit will be used for the expanded operation. The gate at the entrance/exit will be kept closed during hours of non-operation.
- The gate at the entrance from Lake Ridge Road will be closed except when and if maintenance to the berm/setback is necessary.
- Fencing will be maintained and/or replaced as necessary until the licence is surrendered.

## E. Overhead Hydro Line

- The overhead hydro line along the north boundary of the licence will be relocated prior to extraction in Phase 1.

## F. Site Preparation

- Trees, brush and stumps will be removed from site, disposed of by burying or burning with applicable permits, or stockpiled for use in rehabilitation within the disturbed area of the site.
- Within the limit of extraction all trees will be removed within 5 m of the excavation face.
- Topsoil and overburden from Phase 1 will be stripped and used separately for construction of berms along Goodwood Road and Lakeridge Road.
- Topsoil and overburden from Phase 2 will be used for progressive rehabilitation of Phase 1.
- Berms and stockpiles will be seeded and maintained to control erosion.
- No topsoil will be removed from the site.
- The southerly boundaries of AREA 1 and AREA 2 will be delineated with painted stakes.
- Existing buildings will be removed from the site.

## G. Dust Control

- Dust will be mitigated on site.
- Water or other provincially approved dust suppressant will be applied to internal haul roads and processing areas as often as required to mitigate dust.
- Screening equipment will be equipped with dust suppressing or collecting devices where the equipment creates dust and is being operated within 300 metres of a sensitive receptor.
- A speed limit of 20 km/hr shall be strictly enforced on all internal haul roads
- On dry days when operations are occurring, a water truck shall be deployed with a sufficient capacity to be able to cover the active area of the pit, which includes the scale house and site access area, at a frequency of three to four full tanks per day. The water supply must therefore be capable of providing up to 45,500 litres of water per day under worst-case conditions.
- In situations where winds are blowing from the proposed expansion area towards the nearest sensitive receptors, extraction in that area shall be suspended if the condition of the active face is dry and dusty, and the wind is directed toward the sensitive receptor at a speed sufficient to cause wind-spread visible erosion of the open face. The active face shall then be stabilized with water sprays or chemical binder as quickly as possible
- Water spray cannons must be available to stabilize the exposed pit face or stockpiles when required.
- An implementation plan shall be put in place that addresses the chain of responsibility for dust control, staff training, inspection and maintenance of dust control equipment, visual inspection of dust sources, record keeping and complaint response.

## H. Noise

- No extraction or screening operations are permitted AREA 1.
- No extraction or screening operations are permitted in AREA 2 between 6 am and 7 am.

## I. Extraction Sequence

- Extraction will commence at the north boundary and proceed south through Phase 1 then west through Phase 2.
- The perimeter berms will be constructed prior to extraction in Phase 1.
- As the horizontal limit of extraction and/or maximum depth of extraction are reached in any part of each phase, progressive rehabilitation will commence as shown on the progressive and final rehabilitation plan.

## J. Extraction Details

- The maximum height of each lift will be 8 m.
- The highest elevation within the limit of extraction is 350 masl. Extracted to a pit floor elevation of 26.5 m. Based on a maximum lift height of 8 m the maximum number of lifts will be 4.
- Aggregate stockpiles will be generally located in close proximity to the working face.
- As the limit of extraction is reached, the operator will utilize one of the lift extraction options as outlined in detail "A" on the Progressive and Final Rehabilitation plan.
- All excavation faces will be stabilized to prevent erosion into the setback area.
- Where the quality of material does not meet the operator's market requirements, the horizontal extent or depth of extraction may be reduced.
- The location of internal haul roads will vary as the operation progresses.
- No scrap will be stored on site, except for stumps and brush (see Note F.1.).

## K. Equipment

- Equipment to be utilized on the site will include, but not be limited to:  
Mobile (self propelled) - scrapers, excavators, loaders, dozers and trucks.  
Stationary - screening plant, stacker, conveyors, power plant, feed bin, tool trailer.
- All stationary equipment will be portable and move throughout the site in proximity to the extraction face.
- If required, an Environmental Compliance Approval will be obtained for processing equipment to be used on site.