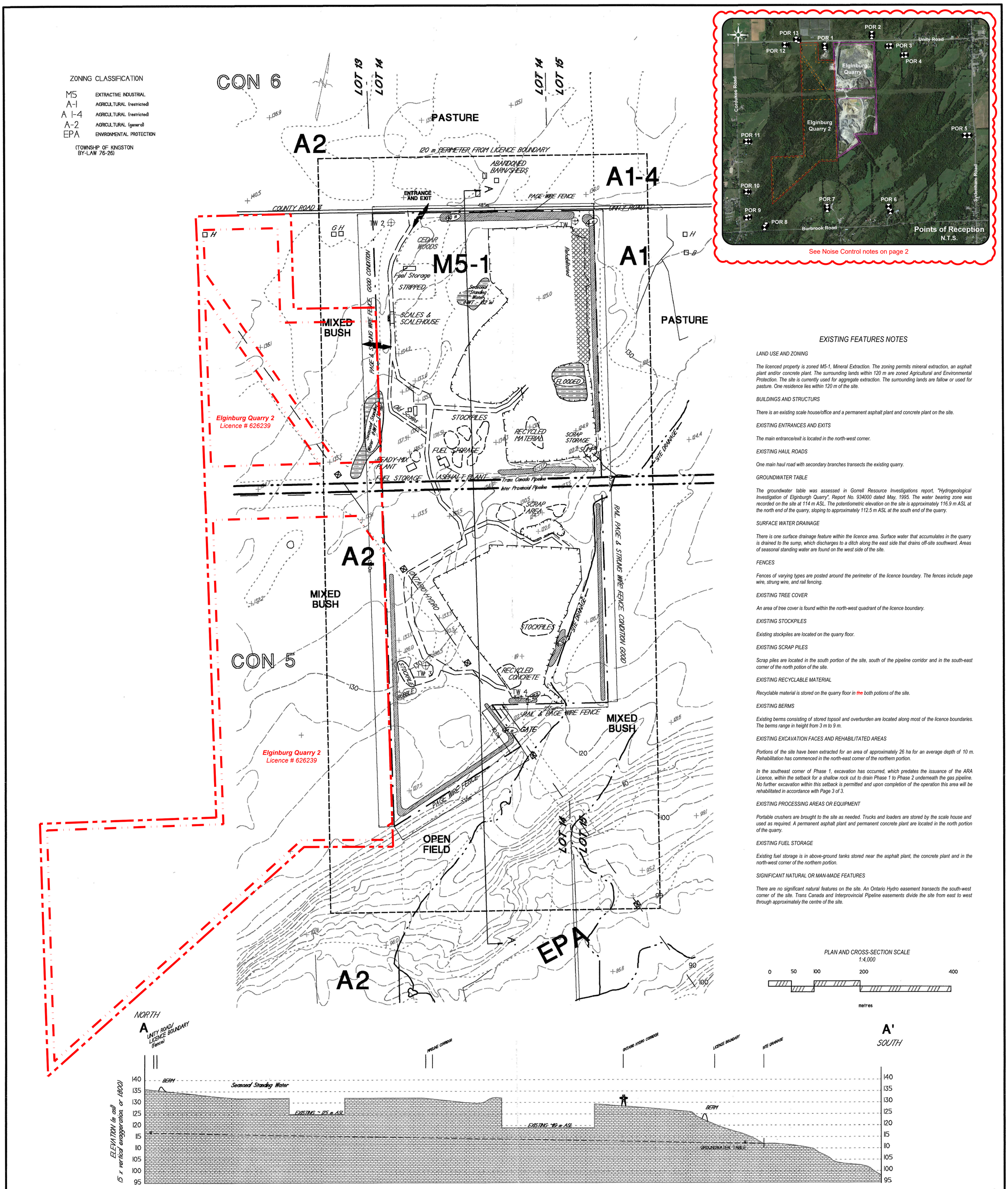
ZONING CLASSIFICATION

M5	EXTRACTIVE INDUSTRIAL
A-1	AGRICULTURAL (restricted)
A 1-4	AGRICULTURAL (restricted)
A-2	AGRICULTURAL (general)
EPA	ENVIRONMENTAL PROTECTION

(TOWNSHIP OF KINGSTON BY-LAW 76-26)



See Noise Control notes on page 2

EXISTING FEATURES NOTES

LAND USE AND ZONING

The licenced property is zoned M5-1, Mineral Extraction. The zoning permits mineral extraction, an asphalt plant and/or concrete plant. The surrounding lands within 120 m are zoned Agricultural and Environmental Protection. The site is currently used for aggregate extraction. The surrounding lands are fallow or used for pasture. One residence lies within 120 m of the site.

BUILDINGS AND STRUCTURS

There is an existing scale house/office and a permanent asphalt plant and concrete plant on the site.

EXISTING ENTRANCES AND EXITS

The main entrance/exit is located in the north-west corner.

EXISTING HAUL ROADS

One main haul road with secondary branches transects the existing quarry.

GROUNDWATER TABLE

The groundwater table was assessed in Gorrell Resource Investigations report, "Hydrogeological Investigation of Elginburgh Quarry", Report No. 934000 dated May, 1995. The water bearing zone was recorded on the site at 114 m ASL. The potentiometric elevation on the site is approximately 116.9 m ASL at the north end of the quarry, sloping to approximately 112.5 m ASL at the south end of the quarry.

SURFACE WATER DRAINAGE

There is one surface drainage feature within the licence area. Surface water that accumulates in the quarry is drained to the sump, which discharges to a ditch along the east side that drains off-site southward. Areas of seasonal standing water are found on the west side of the site.

FENCES

Fences of varying types are posted around the perimeter of the licence boundary. The fences include page wire, strung wire, and rail fencing.

EXISTING TREE COVER

An area of tree cover is found within the north-west quadrant of the licence boundary.

EXISTING STOCKPILES

Existing stockpiles are located on the quarry floor.

EXISTING SCRAP PILES

Scrap piles are located in the south portion of the site, south of the pipeline corridor and in the south-east corner of the north potion of the site.

EXISTING RECYCLABLE MATERIAL

Recyclable material is stored on the quarry floor in ~~the~~ both potions of the site.

EXISTING BERMS

Existing berms consisting of stored topsoil and overburden are located along most of the licence boundaries. The berms range in height from 3 m to 9 m.

EXISTING EXCAVATION FACES AND REHABILITATED AREAS

Portions of the site have been extracted for an area of approximately 26 ha for an average depth of 10 m. Rehabilitation has commenced in the north-east corner of the northern portion.

In the southeast corner of Phase 1, excavation has occurred, which predates the issuance of the ARA Licence, within the setback for a shallow rock cut to drain Phase 1 to Phase 2 underneath the gas pipeline. No further excavation within this setback is permitted and upon completion of the operation this area will be rehabilitated in accordance with Page 3 of 3.

EXISTING PROCESSING AREAS OR EQUIPMENT

Portable crushers are brought to the site as needed. Trucks and loaders are stored by the scale house and used as required. A permanent asphalt plant and permanent concrete plant are located in the north portion of the quarry.

EXISTING FUEL STORAGE

Existing fuel storage is in above-ground tanks stored near the asphalt plant, the concrete plant and in the north-west corner of the northern portion.

SIGNIFICANT NATURAL OR MAN-MADE FEATURES

There are no significant natural features on the site. An Ontario Hydro easement transects the south-west corner of the site. Trans Canada and Interprovincial Pipeline easements divide the site from east to west through approximately the centre of the site.

PLAN AND CROSS-SECTION SCALE
1:4,000

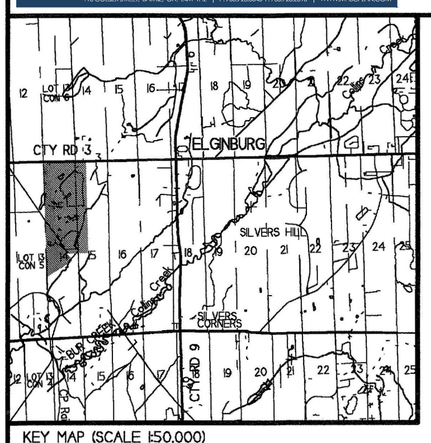
0 50 100 200 400
metres

Brian Zeman

Is authorized by the Ministry of Northern Development, Mines, Natural Resources and Forestry pursuant to Subsection 0.2(3)(e) of Ontario Regulation 244/97 to prepare and certify site plans.

Site Plan Amendment No. 2 & 3 Completed by:

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
113 COLLIER STREET, BARRIE, ON. L4M 1H2 | P: 705.728.0045 F: 705.728.2010 | WWW.MHBCPLAN.COM



KEY MAP (SCALE 1:50,000)

PAGE 1 OF 3

EXISTING FEATURES PLAN

ELGINBURG QUARRY

PART LOT 14, 15
CONCESSION V
CITY OF KINGSTON
(FORMERLY TOWNSHIP OF KINGSTON)

MNR LICENCE ID NO. 2901

CRUICKSHANK CONSTRUCTION LIMITED
55 RIGNEY STREET
KINGSTON, ON
K7K 6Z3

LEGEND

- LICENCE BOUNDARY
- LICENCE BOUNDARY (LICENCE # 626239)
- 120m SETBACK FROM LICENCE BOUNDARY
- LIMIT OF EXTRACTION (LICENCE # 626239)
- ENTRANCE/EXIT
- PIT/QUARRY FACE
- STOCKPILE
- WELL
- ROADWAY / HAUL ROAD
- BERM (with height - m)
- STRUCTURE: S-SILO, H-HOUSE, G-GARAGE, B-BARN, S-SHED, O-OFFICE
- CROSS-SECTION LOCATION
- SURFACE CONTOUR (m ASL)
- LAKE/POND AND WATER LEVEL (m asl)
- WATER COURSE, FLOW DIRECTION
- TREES/ BUSH

NOTES
1. LICENCE AREA 56.84 HECTARES.
2. AREA OF OPERATION ~~45.1~~ 46.7 HECTARES.
3. EXISTING DISTURBED AREA 26.0 HECTARES.
4. THERE IS A LIMIT OF 500,000 TONNES OF AGGREGATE THAT WILL BE REMOVED IN A CALENDAR YEAR.
5. THIS SITE PLAN IS PREPARED FOR SUBMISSION TO THE MINISTRY OF NATURAL RESOURCES AND FORESTRY IN CONJUNCTION WITH AN APPLICATION FOR A CLASS 'A' LICENCE UNDER THE AGGREGATE RESOURCES ACT.
6. LOT, CONCESSION AND BOUNDARY LINES ON THIS PLAN ARE APPROXIMATE.
7. THIS IS NOT A LEGAL SURVEY DRAWING IN ACCORDANCE WITH THE PROVINCE OF ONTARIO SURVEYORS ACT, 1987.
8. SITE FEATURES SHOWN AS PRESENT IN SEPTEMBER 2000.

REFERENCES
SOME EXISTING FEATURES DATA TAKEN FROM UNCOMPLETED BASE PREPARED BY McELHANNEY GEOSURVEYS REFERENCED 90195.

THIS PLAN HAS BEEN PREPARED UNDER MY SUPERVISION THIS IS NOT A CERTIFIED COPY UNLESS EMBOSSED WITH SEAL.

LICENSED PROFESSIONAL ENGINEER — J. B. GORRELL — NOV 25/02 — PROVINCE OF ONTARIO

SIGNATURE

DATE

NO.	AMENDMENT	DATE
1	Final depth to 103 m ASL	Nov 12/05
2	Added note addressing excavation in southeast corner of Phase 1	Feb 15/22
3	Integration of Elginburg Quarry 2 (Licence # 626239)	Oct 12/22

SITE PLAN APPROVED BY MINISTRY OF NATURAL RESOURCES

SIGNATURE DATE

BASE MAPPING INFORMATION:

BASE MAP PREPARED FROM DIGITAL BASE MAPPING PRODUCED FOR MNR FROM 1991 MNR PHOTOGRAPHY. PHOTO SCALE 1:10,000 LINE **, PHOTOS ** AND LINE **, PHOTOS **

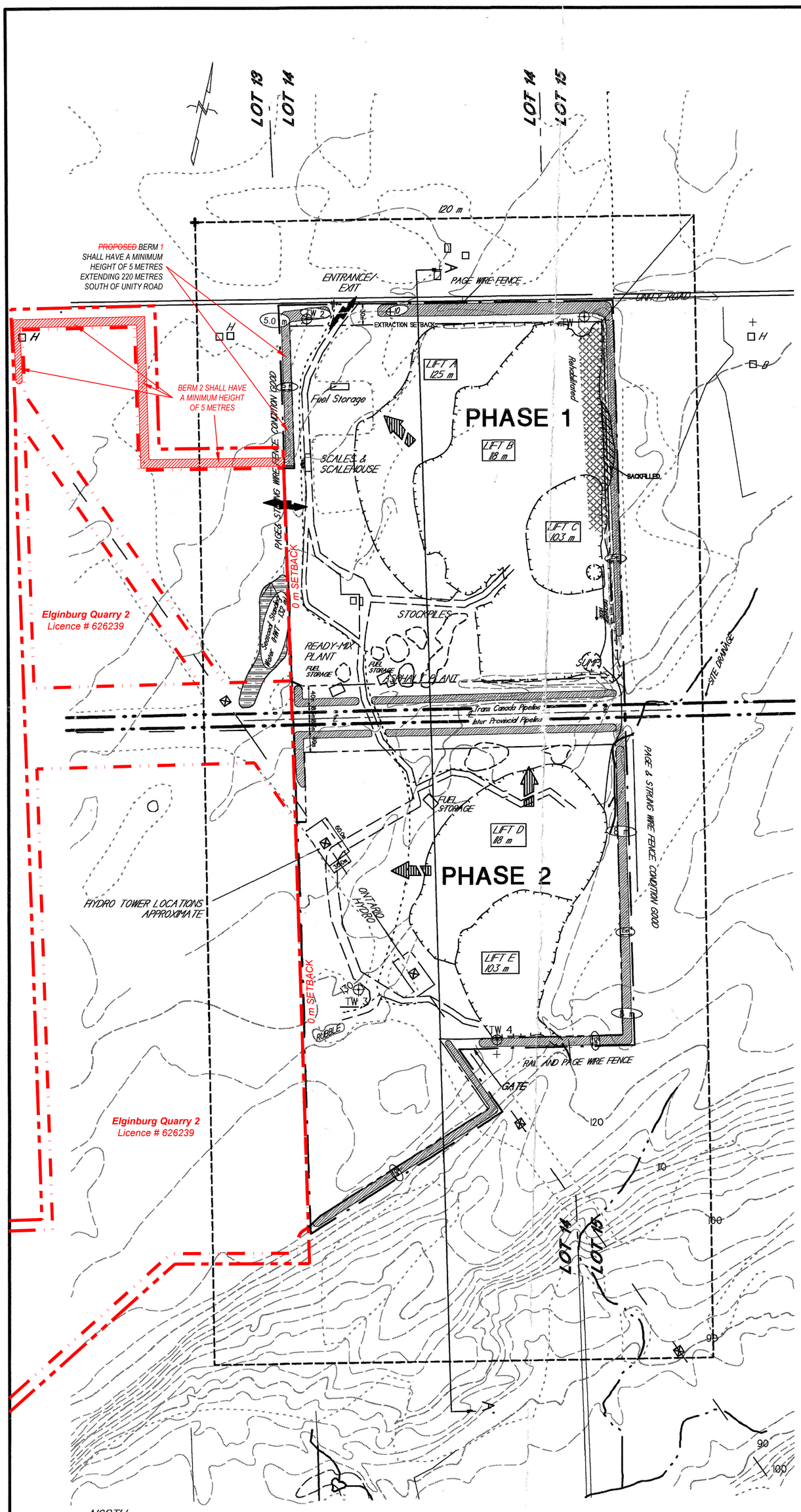
DTM CONTOUR INTERVAL 5 m, WITH INTERPRETED CONTOURS

PROJECT NO. : 974100	DRAWN BY: JG	DESIGNED BY: JG
DATE: AUGUST 27, 2002	CHECKED BY: GG	
SCALE: 1:4000	CAD. FILE NO. :	

911 County Road 18, R.R. #1
Oxford Mills, Ontario
K0G 1S0

GORRELL RESOURCE INVESTIGATIONS gri

As Approved By MNR (March 8/03)



OPERATIONS NOTES:

CONSULTANT REPORTS CONTRIBUTING TO THE OPERATION PLAN

Gorrell Resource Investigations, "Hydrogeological Investigation of Elginburg Quarry". Report No. 934000. May 1995.

SEQUENCE AND DIRECTION OF OPERATION

Quarry will continue to operate in 2 phases, which may operate simultaneously. Topsoil and overburden will be stripped seasonally, as required, to expose an area required for the season's production. Stripped material will be constructed into berms, used for progressive rehabilitation or stored in piles on site for future use. Haul roads will be located as required for operations.

Phase 1 is located north of the pipeline right-of-way. Extraction will progress from the existing excavation north and west in three lifts. The upper lift (Lift A) will extend down to approximate elevation 125 m ASL. The middle lift (Lift B) will extend down to approximate elevation 118 m ASL. The lower lift (Lift C) will extend down to the final elevation of 103 m ASL. The number of lifts and the height of lifts may vary due to rock quality and market demand.

Phase 2 is located south of the pipeline right-of-way. Extraction will progress from the existing excavation north and west in 2 lifts. The upper lift (Lift D) will extend down to an approximate elevation of 118 m ASL. The lower lift (Lift E) will extend down to the final elevation of 103 m ASL. The number of lifts and the height of lifts may vary due to rock quality and market demand.

~~The licencee is currently applying to deepen the quarry below elevation 118 m ASL. No extraction below this elevation shall occur until written approval is received.~~

The following extraction limits shall apply:

a) Upper lift to regulatory setbacks, except along the common licence boundary with adjacent licence # 626329, in which circumstance a 0 m setback shall be provided (see Variations from Operational Standards table on this page). Pipeline setbacks shall be in accordance with the National Energy Board order # E101-01-2006 (see first paragraph under Significant Man-made and Natural Features on this page for additional information). ~~may be reduced with written consent from the National Energy Board. A copy of any such consent will be provided to MNR and the extraction limit shall be adjusted accordingly without need to amend these plans.~~

b) Subsequent lifts shall be set back from overlying lifts a sufficient distance to provide benching, and a quantity of rock necessary for sloping. A minimum slope of 2H:1V shall be established above elevation ~~116~~ 124 m ASL in Phase 1 and above ~~112~~ 109 m ASL in Phase 2. Therebelow, faces may remain vertical.

The final extraction elevation is 103 m ASL.

HOURS OF OPERATION

The normal operating hours will be between 7:00am and 7:00pm on Monday to Saturday, except statutory holidays. Round-the-clock operations may be implemented if the market demands subject to the required noise controls. See Noise Control notes on this page.

All blasting will occur between the hours of 8:00am and 6:00pm, excluding Sunday and statutory holidays.

EQUIPMENT AND EQUIPMENT STORAGE

Various handling, excavation, haulage, drilling and blasting equipment will be used on site. Portable and/or stationary screening and crushing plants will be used, as required. Portable and/or stationary asphalt and/or concrete plants with associated buildings may be located on-site as the market demands. See Variations from Operational Standards on this page for additional information.

FUEL STORAGE

Fuel storage will occur in above-ground tanks. Fuel storage and handling will be in accordance with the Gas Handling Act.

On-Site Processing

Asphalt and ready-mix plant locations are permanently established under the existing operation. The plants may be moved to the bottom of the quarry or off-site so that the reserves beneath them may be extracted.

A portable crusher will be brought to the site as needed. The crusher will be established a sufficient distance from the working face for safety purposes, but will be placed as close as safely possible to the face for maximum sound absorption. See Variations from Operational Standards on this page for additional information.

WATER DIVERSION AND DRAINAGE

The site will be operated below the water table. The water table at the site is complex, being affected by the conditions of the weathered bedrock (GRL 1995 report). At the north end of the site (Phase 1) the unconfined water table is approximately 131 m ASL, while the bedrock water table lies at approximate elevation of 116.9 m ASL. In Phase 2, there is a direct hydraulic connection to the adjacent ravine and the final water table will lie at ~~112.5~~ 110 m ASL. In Phase 1, accumulated surface water from the snow-melt and precipitation and groundwater will be directed to the sump in the south-east corner. Accumulated water will be discharged to the surface by pump into Phase 2.

In Phase 2, accumulated surface water from snow-melt and precipitation and ground water drains directly from the quarry floor into a sump in the south-west corner and is pumped to an existing drainage channel on additional lands owned by the licensee located to the west of the site.

The operator shall ensure that the receiving ditches have sufficient capacity to contain the flow, and shall discharge the water in such a manner to prevent erosion or aggravate flooding of the down-stream land.

DEWATERING OPERATIONS

The licensee shall operate in compliance with the conditions per MECP's Permit to Take Water and Environmental Compliance Approval.

TREE & STUMPS

Trees cut down for extraction purposes will be used for firewood or fence posts. Remaining wood and stumps will be piled with overburden.

STRIPPING AND STORING OF TOPSOIL AND OVERBURDEN

Due to the limited depth and disturbance from grubbing, no separate stripping of topsoil has occurred nor is proposed. Overburden has been placed in berms along the licence boundary and the pipeline right-of-way. These berms are in the setbacks, have a minimum height as indicated on the drawing and in most cases, are within 3 m of the licence boundary. Future stripped material may be stockpiled on the quarry floor, flanked along the inside of existing berms or ~~placed directly for sloping~~ utilized for progressive rehabilitation on this licence or adjacent licence # 626239. Vegetation cover of stockpiled overburden shall be established on slopes exposed to public view and where necessary to prevent erosion off-site. See Variations from Operational Standards on this page for additional information regarding stripping, stockpiling and placement of topsoil and overburden.

STOCKPILES

Stockpiles will be constructed on the quarry floor and in the asphalt and concrete plant areas. Typically, stockpiles will rise no higher than 10 m above the original ground elevation. Stockpiles may be located within 30 m of the common licence boundary (see Variations from Operational Standards).

RECYCLED MATERIALS

Recyclable materials will be imported to the site and stockpiled on the quarry floor a minimum distance of 30 m from the sumps or any other drainage feature. See Variations from Operational Standards on this page for additional information.

SCRAP AREAS

Scrap will be removed on an ongoing basis. A minimum distance of 30 m will be maintained between the scrap materials and the sump, any on or off-site surface waters or the licence boundary (except where the licence boundary abuts adjacent licence # 626239 in which case it may be located within 30 metres - see Variations from Operational Standards).

BUILDINGS AND STRUCTURES

Present buildings, which consist of scale house, ready-mix plant and asphalt plant and the scale will be used on site during operations. Buildings may be added to, relocated or removed and new buildings may be added with prior approval of the MNRF. At final rehabilitation, the scale will be dismantled and removed from the site. Buildings may be left on site if they are compatible with the rehabilitation plan.

SIGNIFICANT MAN-MADE AND NATURAL FEATURES

The site is transected from east to west by two gas pipelines, Trans-Canada Pipeline to the north and Inter-Provincial Pipeline to the south. An extraction setback of 40 m (to minimum 20 m setback - sent to MNRF October 30, 2006 and acknowledged by MNRF December 6, 2006) will be maintained north and south of the right-of-ways of the corridor.

An Ontario Hydro transmission line transects the site in the southwest quadrant. Two transmission towers lie within the extraction area of the quarry. An extraction setback will be maintained around the affected towers and access will be maintained; all other rock within the hydro corridor will be removed.

FENCES

The licence boundary ~~is~~ shall be fenced except along the common licence boundary with adjacent licence # 626239 to the west which ~~shall be delineated with marker posts every 30 m with the exception of the low wet area along the west boundary~~ (Site Plan Exemption # 1). The existing 1.2 m high rail fences, page wire fences and strung wire fences are in good condition. Fences will be repaired as necessary to maintain integrity. The ~~entire~~ fenced portion of boundary is posted with warning signs.

GATE

There is one existing locking gate at the entrance. A farm gate is found at the south end of the site to permit access to hydro corridor by authorized personnel. Gates shall not be required where haul roads cross the common licence boundary with licence # 626239 (see Variations from Operational Standards on this page).

TREE SCREENS

There are no existing or proposed tree screens.

ENVIRONMENTAL PROTECTION MEASURES

Dust Control

Dust will be mitigated on site.

Noise Control

~~Noise will be mitigated at source with appropriate noise attenuation devices.~~

1. *Noise notes which reference the "Expansion" are referring to Elginburg Quarry 2 (Licence # 626239).*
2. *Prior to commencing asphalt plant operations during the evening and nighttime period, Berm 2 shall be constructed in the location shown on the plan view to shield line of sight (LOS) from the asphalt plant to POR 1 and POR 13 (see Points of Reception on Page 1 of 3 for location of receptors).*
3. *Noise barriers or berms shall be solid, having no gaps, and have a surface density of no less than 20 kg/m2. Examples of suitable barriers or berms are as follow:*
   - *3.1. Lift face or existing terrain;*
   - *3.2. Earth, gravel or aggregate berms or stockpiles;*
   - *3.3. Concrete or brick walls;*
   - *3.4. Commercial noise barriers;*
   - *3.5. Shipping containers;*
   - *3.6. A portable barrier such as a truck trailer equipped with movable flaps to block the space between the ground and the bottom of the trailer.*
4. *Noise barriers shielding portable equipment may be progressively established to provide shielding from location of operation to the identified noise sensitive point of reception (POR).*
5. *The operation of a Standard Hydraulic Rock Drill (drill), may take place only during the daytime period (07:00 - 19:00), and shall comply with the following:*
   - *5.1. The drill is not to operate concurrently with the crusher, wash plant or asphalt plant.*
   - *5.2. When operating on the surface in Phase 1: A 4 m high portable barrier located at a maximum of 5 m from the drill is to be provided shielding noise impacts to POR 2, 3 and 4.*
   - *5.3. When operating on the surface in Phase 2: The drill may operate anywhere in the extraction area above or below grade. No shielding with portable barriers is required.*
6. *The operation of a Low Noise Rock Drill (Low noise drill), such as the Atlas Copco SmartRig ROC D9C or similar, may take place only during the daytime period (07:00 - 19:00), and shall comply with the following:*
   - *6.1. The drill may operate anywhere in the extraction area above or below grade. No shielding with portable barriers is required.*
   - *6.2. When operating on the surface in Phase 1: The low noise rock drill is not to operate concurrently with the crusher, wash plant or asphalt plant.*
   - *6.3. When operating on the surface in Phase 2: The low noise rock drill may operate concurrently with the crusher, wash plant or asphalt plant.*
7. *The operation of the Portable Crushing and Screening Plant (crusher) and Wash Plant (wash plant), may take place only during the daytime period (07:00 - 19:00) and shall comply with the following:*
   - *7.1. The crusher and wash plant shall be located on the quarry floor at a maximum elevation of 125 mASL, and, shall comply with the following:*
     - *7.1.1. When operating one lift down, at a maximum elevation of 125 mASL, the crusher, wash plant or asphalt plant shall not operate concurrently.*
     - *7.1.2. When operating two or more lifts down, at an elevation of 118 mASL or lower at the existing quarry or an elevation 115 mASL in the Expansion Area, the crusher, wash plant and asphalt plant may operate concurrently.*
   - *7.2. When operating in Phase 1:*
     - *7.2.1. The crusher and wash plant shall be located at a maximum distance of 40 m to the west of the lift face shielding receptor POR 4. The height of the lift face shall be a minimum of 10 m.*
     - *7.2.2. 6 m high stockpile located at a maximum of 30 m from the plant shall be provided to shield POR 1.*
   - *7.3. When operating in Phase 2:*
     - *7.3.1. A 4 m high noise barrier located at a maximum of 50 m from the plant shall be provided to shield POR 4.*
8. *The operation of loaders or excavators associated with the Extraction and Aggregate Processing Operation may take place on a 24-hour basis, anywhere in the extraction area, and shall comply with the following:*
   - *8.1. When operating during the daytime period (07:00 - 19:00): A maximum of three (3) loaders or excavators may in in operation carrying out extraction, stockpiling and loading operations.*
   - *8.2. When operating during the evening and nighttime period (19:00 - 07:00): A maximum of one (1) loader or excavator may operate to carry out stockpiling and loading operations.*
   - *8.3. Loaders or excavators associated with the Extraction and Aggregate Processing Operations shall not operate concurrently with the Asphalt Plant during the evening and nighttime period (19:00 - 07:00).*
9. *The loading and shipping of product associated with the Extraction and Aggregate Processing Operation using Highway Trucks may take place on a 24-hour basis (24 hour) and shall comply with the following:*
   - *9.1. When operating on-site, Highway Trucks shall not exceed 20 kph and shall not use compression braking (Jake Brakes).*
   - *9.2. When operating during the daytime period (07:00 - 19:00): A maximum of ten (10) trucks may enter and exit the site per hour.*
   - *9.3. When operating during the evening and nighttime period (19:00 - 07:00) or concurrently with the Asphalt Plant, a maximum of five (5) trucks may enter and exit the site per hour.*
   - *9.4. Highway Trucks associated with the Extraction and Aggregate Processing Operations shall not operate concurrently with the Asphalt Plant during the evening and nighttime period (19:00 - 07:00).*

Ready-Mix Concrete (RMC) Plant Operations

10. *The operation of the Ready-Mix Concrete (RMC) Plant may take place on a 24-hour basis and shall comply with the following:*
    - *10.1. A maximum of one (1) loader associated with the RMC Plant operation may be in operation carrying out stockpiling and loading raw material into hoppers to feed the plant.*
    - *10.2. The RMC Plant and associated operations shall not operate concurrently with the Asphalt Plant during the evening and nighttime period (19:00 - 07:00).*
11. *The delivery, loading and shipping of product associated with the RMC Plant Operations using trucks may take place on a 24-hour basis and shall comply with the following:*
    - *11.1. When operating on-site, trucks shall not exceed 20 kph and shall not use compression braking (Jake Brakes).*
    - *11.2. When operating during the daytime period (07:00 to 19:00):*
      - *11.2.1. A maximum of eight (8) concrete trucks can enter and exit the site per hour.*
      - *11.2.2. A maximum of two (2) powder trucks, delivering cement and slag, can enter and exit the site per hour.*
      - *11.2.3. A maximum of two (2) highway trucks, delivering aggregate to stockpiles, can enter and exit the site per hour.*
    - *11.3. When operating concurrently with the Asphalt Plant:*
      - *11.3.1. A maximum of four (4) concrete trucks can enter and exit the site per hour.*
      - *11.3.2. A maximum of one (1) powder truck, delivering cement and slag, can enter and exit the site per hour.*
      - *11.3.3. A maximum of one (1) highway truck, delivering aggregate to stockpiles, can enter and exit the site per hour.*
    - *11.4. When operating during the evening and nighttime period (19:00 - 07:00):*
      - *11.4.1. A maximum of eight (8) concrete trucks can enter and exit the site per hour.*
      - *11.4.2. Cement and slag powder delivery by powder trucks shall not occur.*
      - *11.4.3. Aggregate delivery by Highway Truck shall not occur.*

Asphalt Plant Operations

12. *The operation of the Asphalt Plant and associated equipment may take place on a 24- hour basis and shall comply with the following:*
    - *12.1. A maximum of one (1) loader may operate to carry out stockpiling and loading raw material into hoppers to feed the plant.*
    - *12.2. A 4 m high barrier or stockpile shall be maintained shielding line of sight from the RAP screen to POR 4.*
    - *12.3. A silencer providing minimum 20 dBA attenuation shall be installed on the Air Exhaust. The maximum outdoor sound power of the Air Exhaust after installation of the silencer shall not exceed 100 dBA. Replacement with a new quieter unit is acceptable providing the maximum outdoor sound power, as noted above, is not exceeded.*
    - *12.4. When operating during the evening and nighttime period (19:00 - 07:00):*
      - *12.4.1. Berm 2 on Licence # 626329 shall be provided shielding line of sight from the asphalt plant to POR 1 and 13 (see Points of Reception on Page 1 of 3 for location of receptors).*
      - *12.4.2. The barrier referenced in note 12.2 shall be increased in height to 6 m.*
      - *12.4.3. A 7.8 m high barrier or stockpile shall be provided shielding line of sight from the asphalt plant to POR 4 (see Points of Reception on Page 1 of 3 for location of receptors).*
      - *12.4.4. The Asphalt Plant and associated operations shall not operate concurrently with the RMC Plant during the evening and nighttime period (19:00 - 07:00).*
      - *12.4.5. The Asphalt Plant and associated operations shall not operate concurrently with the extraction and aggregate processing operations during the evening and nighttime period (19:00 - 07:00).*
13. *The delivery and shipping of product associated with the Asphalt Plant using trucks may take place on a 24-hour basis and shall comply with the following:*
    - *13.1. When operating on-site, trucks shall not exceed 20 kph and shall not use compression braking (Jake Brakes).*
    - *13.2. When operating during the daytime period (07:00 to 19:00):*
      - *13.2.1. A maximum of sixteen (16) highway trucks associated with asphalt production may enter and exit the site per hour.*
    - *13.3. When operating concurrently with the RMC Plant:*
      - *13.3.1. A maximum of nine (9) highway trucks associated with asphalt production may enter and exit the site per hour.*
    - *13.4. When operating during the evening and nighttime period (19:00 - 07:00):*
      - *13.4.1. A maximum of eight (8) highway trucks associated with shipping asphalt product may enter and exit the site per hour.*
      - *13.4.2. Highway trucks used for delivery of aggregate to stockpiles and other raw material to the asphalt plant shall not be in operation.*

Site Preparation and Remediation

14. *Portable construction equipment used for site preparation (e.g. land clearing and construction of berms) and rehabilitation shall comply with MECP Publication NPC- 115, Construction Equipment, August 1978. (This publication gives noise standards to be met by construction equipment in Ontario.) Site preparation and rehabilitation activities shall take place only during daytime hours (07:00 - 19:00).*

New Processes

15. *If a new process is introduced to the site, then this process shall be assessed by a qualified acoustical consultant prior to commissioning. Noise mitigation measures shall be reviewed, and altered if necessary, to ensure that MECP sound level limits are met at all points of reception.*

DEWATERING OPERATIONS

~~The licencee shall operate in compliance with the conditions per MOE Permit to Take Water # 91-P-4025.~~ The licensee shall operate in accordance with the conditions per MECP's Permit to Take Water (PTTW) and Environmental Compliance Approval (ECA). ~~Approved November 12, 2005.~~

As per Regional Directors letter, dated October 11, 2016

Adding an entrance/exit along the west boundary of the licenced property to permit access to the parking lot on the adjacent property owned by Cruickshank Construction Ltd. No gate will be required at this location as there is no external access from the parking lot.

Effective December 14, 2016

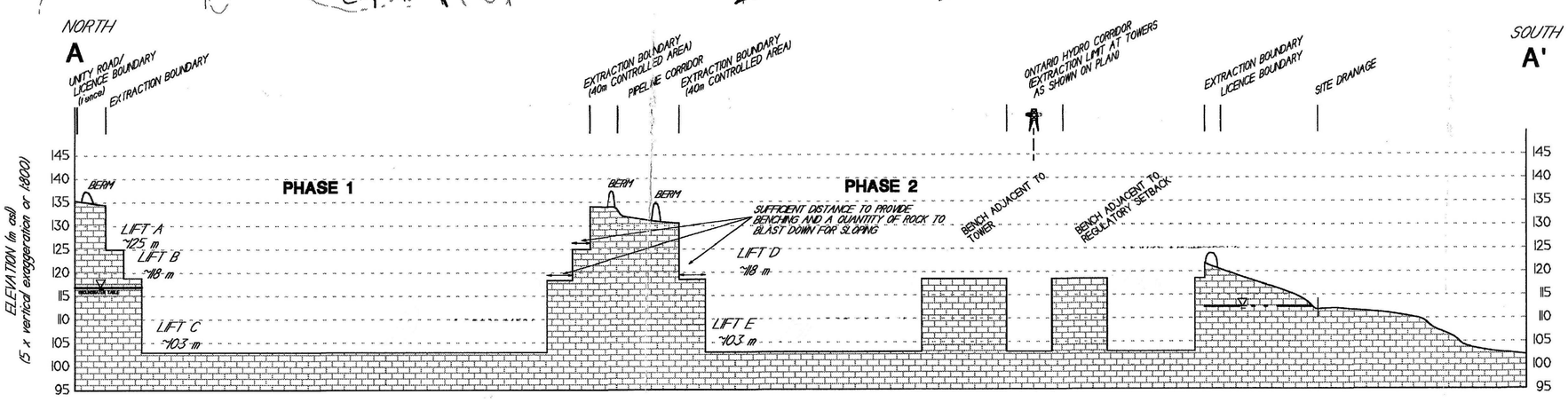
As per Regional Directors letter, dated October 11, 2016

The use of excavation setbacks for internal roads:
"Internal roads may be created to provide improved safety to quarry staff and may occur, if necessary, within the 15 metre excavation setback. However, no extraction or haulage of aggregate material is permitted in the setback areas. Construction of roads may not interfere with any berms or tree screens required by this site plan.

Effective December 14, 2016

PLAN AND CROSS-SECTION SCALE
1:4,000

0 50 100 200 400
metres



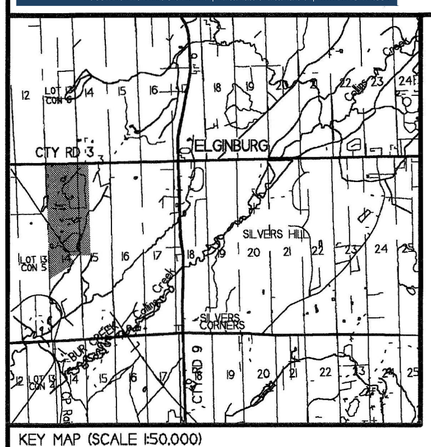
Brian Zeman

Is authorized by the Ministry of Northern Development, Mines, Natural Resources and Forestry pursuant to Subsection 0.2(3)(e) of Ontario Regulation 244/97 to prepare and certify site plans.

Site Plan Amendment No. 5 & 6 Completed by:

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
113 COLLIER STREET, BARRIE, ON. L4M 1H2 | P: 705.728.0045 F: 705.728.2010 | WWW.MHBCPLAN.COM

~~SITE PLAN~~ VARIATIONS FROM OPERATIONAL STANDARDS	
~~5.1~~ 0.13 (3) (a) - Fencing	~~Fencing along the west boundary in area of standing water.~~ Fencing shall not be required along the common licence boundary with adjacent licence # 626239 and shall be delineated with marker posts every 30 m.
~~5.6~~ 0.13 (1) 6 - Stripping	No separation of topsoil
~~5.7~~ 0.13 (1) 7 - Vegetation	Vegetation of slopes in areas of public view or to prevent off-site erosion.
~~5.13~~ 0.13 (1) 13 i & ii and ~~5.15~~ 0.13 (1) 16 - Berms Within Setbacks	Adjacent property bush covered and/or inactive land
0.13 (1) 13 i - Material and Processing	Aggregate, recycled aggregate/asphalt/concrete, topsoil and overburden as well as processing equipment may be located within 30 m of the common boundary with licence # 626239. The adjacent licence is owned by the same licensee.
0.13 (1) 1 and 0.13 (1) 2 - Gates	Gates shall not be required where haul roads cross the common licence boundary with licence # 626239. This will eliminate constraints to the movement of equipment between licences owned by the same licensee.
0.13 (1) 10 i - Setback	A 0 m setback shall be provided where the licence boundary abuts adjacent licence # 626239. This will enable material to be extracted along the common boundary and for rehabilitation to transition between licences.
0.13 (1) 17 and 0.13 (1) 18 - Topsoil and Overburden	Topsoil, overburden and/or aggregate may be transferred between this licence and adjacent licence # 626239. This will allow stripped material from site preparation to be used for berm construction and/or progressive rehabilitation in other parts of this licence and the adjacent licence.
0.13 (1) 25 - Scrap	Scrap may be stored within 30 m of the common licence boundary with licence # 626239.



KEY MAP (SCALE 1:50,000)

ELGINBURG QUARRY

PART LOT 14, 15
CONCESSION V
CITY OF KINGSTON
(FORMERLY TOWNSHIP OF KINGSTON)

MNR LICENCE ID NO. 2901

CRUICKSHANK CONSTRUCTION LIMITED
55 RIGNEY STREET
KINGSTON, ON
K7K 6Z3

LEGEND

- LICENCE BOUNDARY
- SETBACK
- ENTRANCE/EXIT
- PIT/QUARRY FACE
- STOCKPILE
- WELL
- ROADWAY / HAUL ROAD
- BERM (with height - m)
- STRUCTURE: S-SILO, H-HOUSE, G-GARAGE, B-BARN, S-SHED, O-OFFICE
- CROSS-SECTION LOCATION
- SURFACE CONTOUR (m ASL)
- LAKE/POND AND WATER LEVEL (m asl)
- WATER COURSE, FLOW DIRECTION
- TREES/ BUSH
- PROPOSED FLOOR ELEVATION
- DIRECTION OF MINING
- LICENCE BOUNDARY (LICENCE # 626239)
- LIMIT OF EXTRACTION (LICENCE # 626239)

NOTES
1. LICENCE AREA 56.84 HECTARES.
2. AREA OF OPERATION ~~45.1~~ 46.7 HECTARES.
3. EXISTING DISTURBED AREA 26.0 HECTARES.
4. THERE IS A LIMIT OF 500,000 TONNES OF AGGREGATE THAT WILL BE REMOVED IN A CALENDAR YEAR.
5. THIS SITE PLAN IS PREPARED FOR SUBMISSION TO THE MINISTRY OF NATURAL RESOURCES AND FORESTRY IN CONJUNCTION WITH AN APPLICATION FOR A CLASS 'A' LICENCE UNDER THE AGGREGATE RESOURCES ACT.
6. LOT, CONCESSION AND BOUNDARY LINES ON THIS PLAN ARE APPROXIMATE.
7. THIS IS NOT A LEGAL SURVEY DRAWING IN ACCORDANCE WITH THE PROVINCE OF ONTARIO SURVEYORS ACT, 1987.
8. SITE FEATURES SHOWN AS PRESENT IN SEPTEMBER 2000.

THIS PLAN HAS BEEN PREPARED UNDER MY SUPERVISION THIS IS NOT A CERTIFIED COPY UNLESS EMBOSSED WITH SEAL

LICENSED PROFESSIONAL ENGINEER J. B. GORRELL Nov 15/22 PROVINCE OF ONTARIO

SIGNATURE

DATE

BASE MAPPING INFORMATION:

BASE MAP PREPARED FROM DIGITAL BASE MAPPING PRODUCED FOR MNR FROM 1991 MNR PHOTOGRAPHY. PHOTO SCALE 1:10,000 LINE **, PHOTOS ** AND LINE **, PHOTOS **

DTM CONTOUR INTERVAL 5 m, WITH INTERPRETED CONTOURS

NO.	AMENDMENT	DATE
1	Final depth to 103 m ASL	Nov 12/05
2	Letter from MNRF regarding reduced setback per National Energy Board Order # E101-01-2006	Dec 6/06
3	Added Entrance / Exit	Dec 14/16
4	Excavation Setbacks - Internal Roads	Dec 14/16
5	Revised note regarding water management and increase minimum berm height along northwest boundary	Feb 15/22
6	Integration of Elginburg Quarry 2 (Licence # 626239)	Oct 12/22

SITE PLAN APPROVED BY MINISTRY OF NATURAL RESOURCES

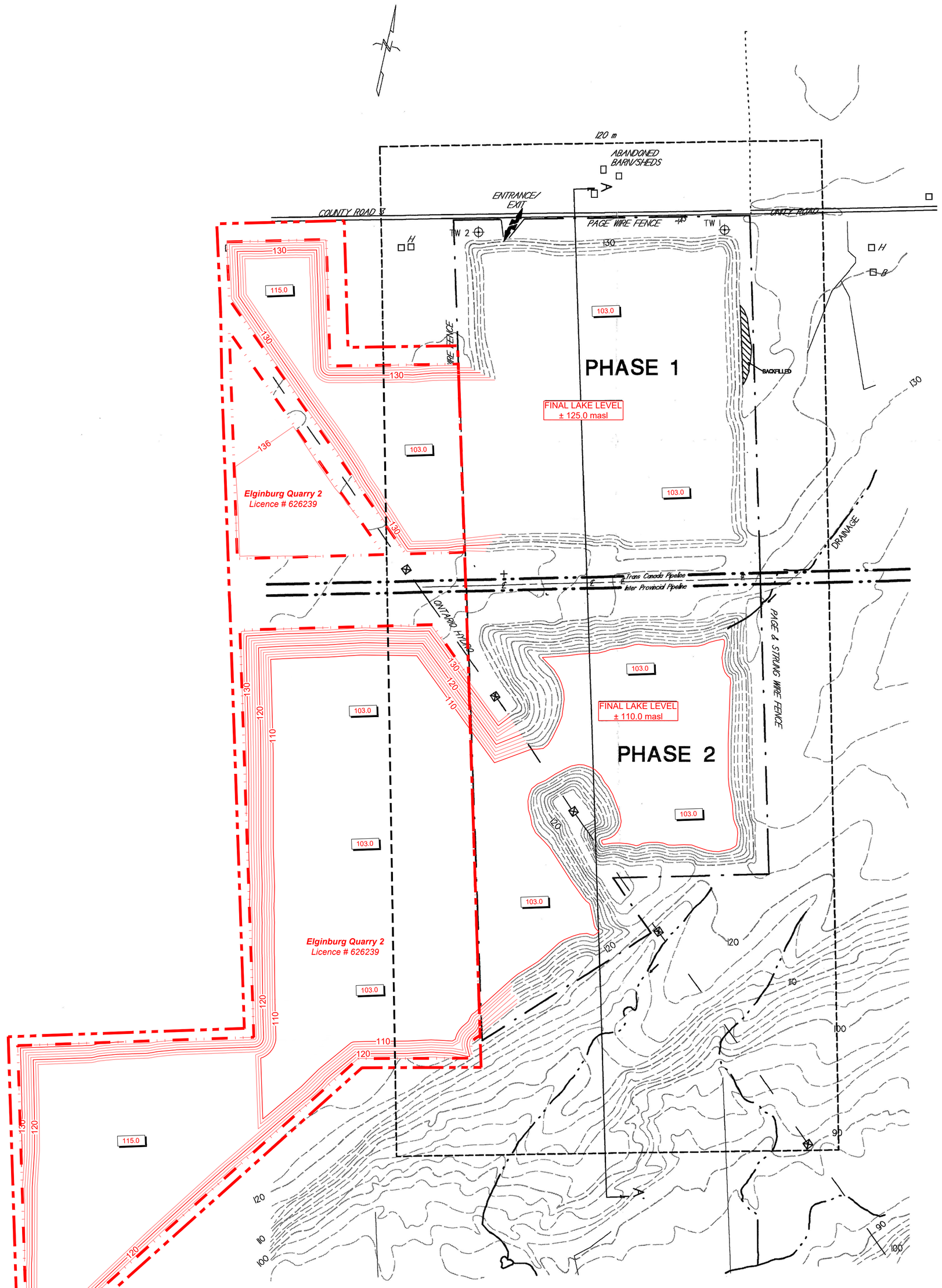
SIGNATURE DATE

PROJECT NO. : 974100	DRAWN BY: JG	DESIGNED BY: JG
DATE: AUGUST 27, 2002	CHECKED BY: GG	
SCALE: 1:4000	CAD. FILE NO. :	

911 County Road 18, R.R. #1
Oxford Mills, Ontario
K0G 1S0
GORRELL RESOURCE INVESTIGATIONS

PAGE 2 OF 3

OPERATIONS PLAN



PROGRESSIVE REHABILITATION

The sloping of a quarry face at any one location shall commence once extraction has reached the extraction limit, subject to mining operation space requirements.

To maintain access, weigh facilities and plant locations, it is anticipated that Phase 2 will be depleted prior to Phase 1. Other than possibly retaining a berm along the south limit of the pipeline ROW., the Phase 2 area shall be fully rehabilitated (excluding lake filling) within 12 months of depletion.

FINAL REHABILITATION

Rehabilitation shall consist of sloping of the final quarry faces to a gradient no steeper than 2H:1V above elevation ~~116~~ 124 m ASL in Phase 1 and ~~112~~ 109 m ASL in Phase 2. The sloping will be accomplished with overburden, clean inert off-site material or blasted rock. These slopes shall be covered with sufficient earth to sustain vegetative growth, and seeded with a grass and legume mixture. Some shallow (<1.5 m) rock ledges may form part of the final slope.

The rehabilitation view shown reflects quarry extraction down to 103 m ASL. With the excavations retaining water exceeding 10 m in depth, no rehabilitation of the quarry floor is required.

~~If approval for deepening below elevation 118 m ASL is not granted, the excavations will still accumulate precipitation and runoff to depths varying seasonally. In this case, the quarry floor shall be covered with a minimum 150 mm depth of overburden. Once surface water conditions on the floor have been established, planting and seeding will be undertaken, satisfactory to the Ministry of Natural Resources, to create a wetland environment.~~

The berm along the north boundary shall be maintained to a minimum of 3 m height throughout the extraction period for screening purposes and may remain in place upon final rehabilitation.

Final rehabilitation (excluding lake filling) shall be completed within 12 months of depletion of the site.

BUILDINGS AND STRUCTURES

Buildings may be left on site if they are compatible with the rehabilitation plan.

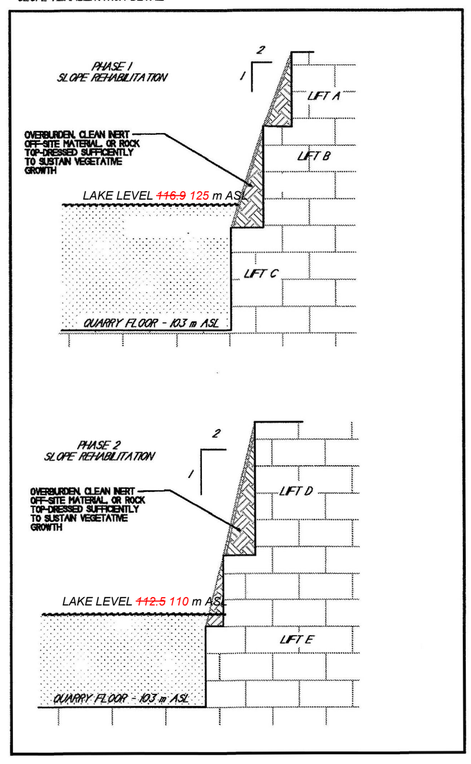
INTERNAL HAUL ROADS

An access road will remain along the west boundary from the entrance/exit to the pipeline and Hydro ROWs.

FINAL SURFACE WATER DRAINAGE

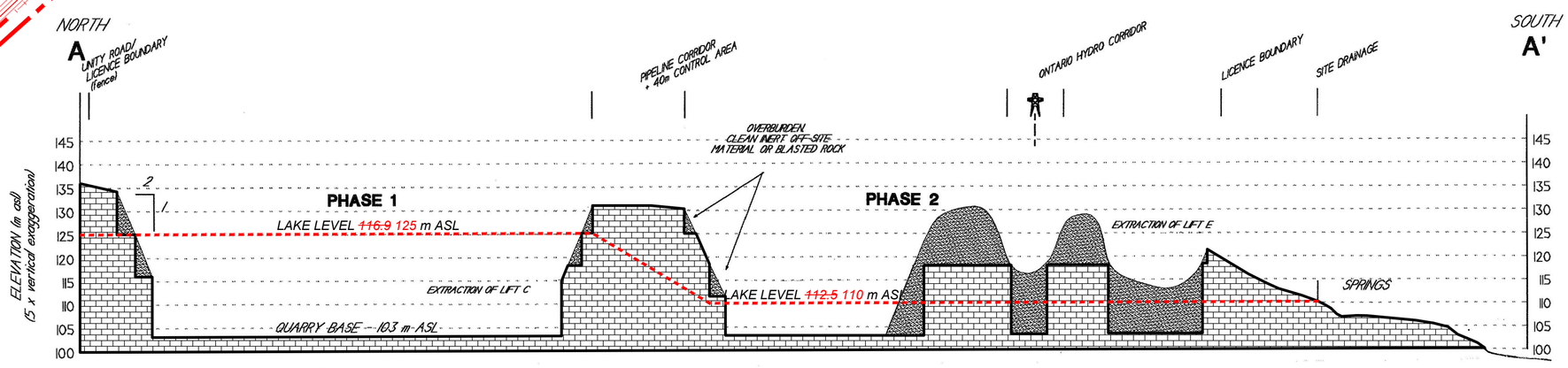
Dewatering will be discontinued and the extracted area allowed to fill with water. No surface water outlets are proposed.

SLOPE REHABILITATION DETAIL



PLAN AND CROSS-SECTION SCALE 1:4,000

0 50 100 200 400 metres



Brian Zeman

Is authorized by the Ministry of Northern Development, Mines, Natural Resources and Forestry pursuant to Subsection 0.2(3)(e) of Ontario Regulation 244/97 to prepare and certify site plans.

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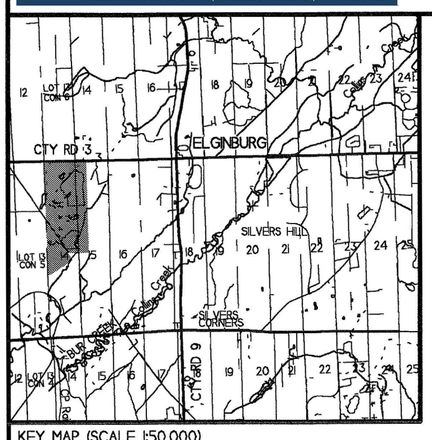

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LEGEND

- LICENCE BOUNDARY
- LICENCE BOUNDARY (LICENCE # 626239)
- ENTRANCE/EXIT
- LIMIT OF EXTRACTION (LICENCE # 626239)
- WELL
- 103.0 QUARRY FLOOR
- FINAL LAKE LEVEL ~112.5 m ASL — FINAL LAKE WATER LEVEL (m ASL)
- S H G B S O — STRUCTURE: S-SILO, H-HOUSE, G-GARAGE, B-BARN, S-SHED, O-OFFICE
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LICENSED PROFESSIONAL ENGINEER — J. B. GORRELL — NO. 25701 — PROVINCE OF ONTARIO

SIGNATURE

DATE

NO.	AMENDMENT	DATE
1	Final depth to 103 m ASL	Nov 12/05
2	Updated Existing Features Plan and Operational Plan	Feb 15/22
3	Integration of Elginburg Quarry 2 (Licence # 626239)	Oct 12/22

SITE PLAN APPROVED BY MINISTRY OF NATURAL RESOURCES

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PROGRESSIVE AND FINAL REHABILITATION PLAN