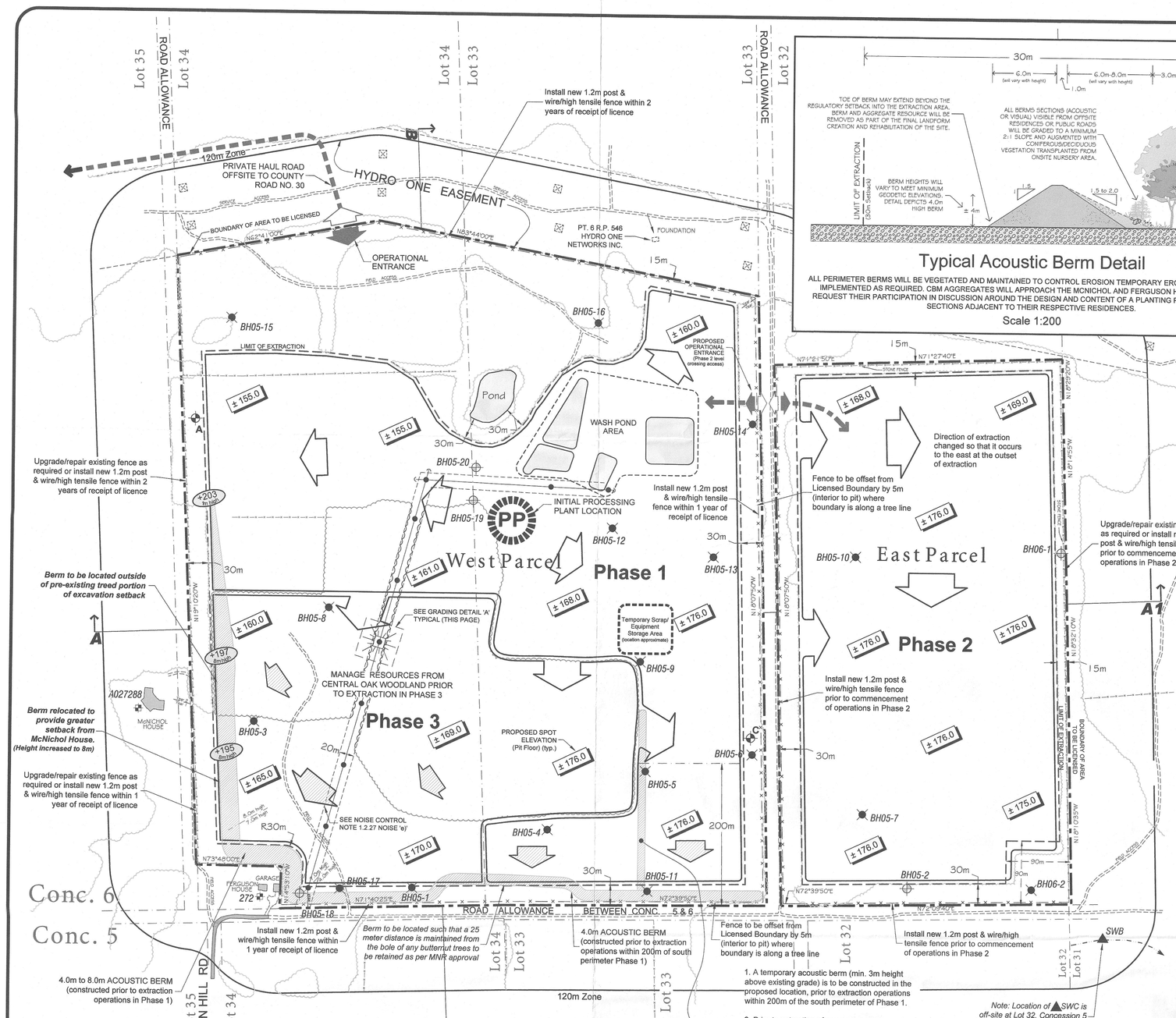
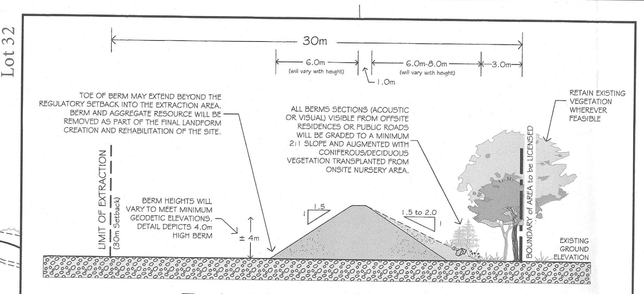
Operational Plan 2 of 4

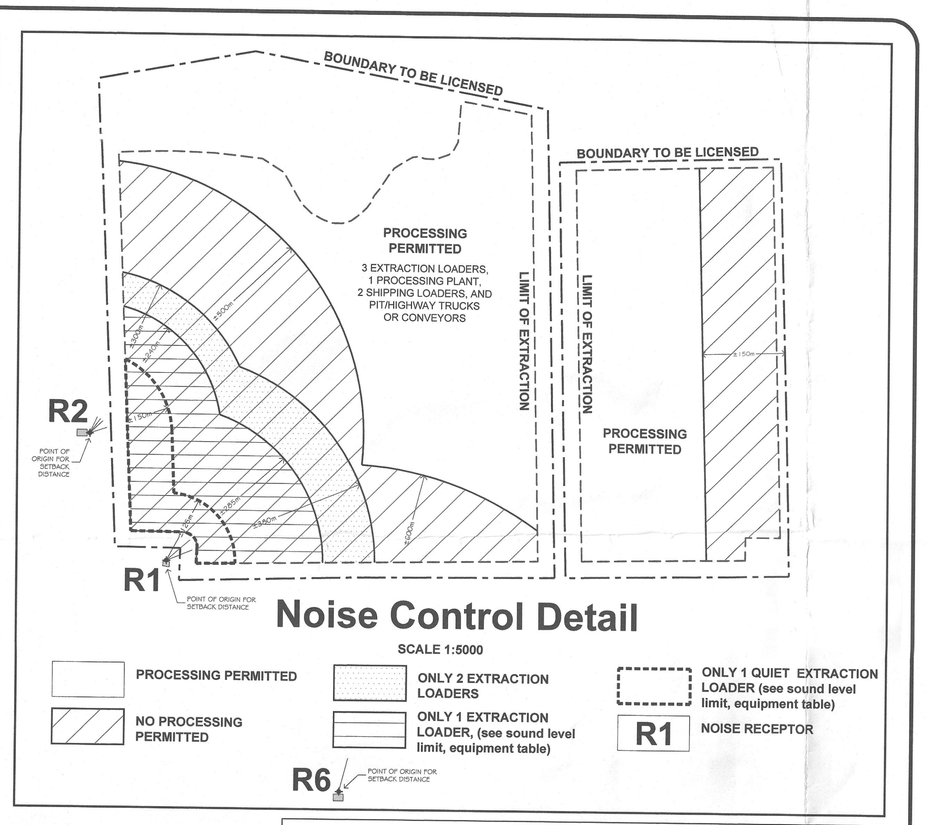




Typical Acoustic Berm Detail

ALL PERIMETER BERMS WILL BE VEGETATED AND MAINTAINED TO CONTROL EROSION TEMPORARY EROSION CONTROL WILL IMPLEMENTED AS REQUIRED. CBM AGGREGATES WILL APPROACH THE MCNICHOL AND FERGUSON HOME OWNERS TO REQUEST THEIR PARTICIPATION IN DISCUSSION AROUND THE DESIGN AND CONTENT OF A PLANTING PLAN FOR THE BERM SECTIONS ADJACENT TO THEIR RESPECTIVE RESIDENCES.

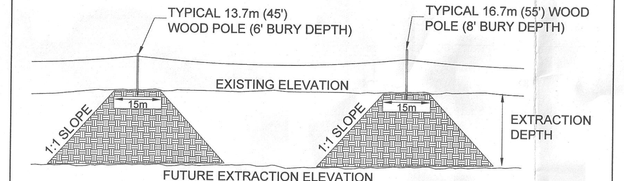
Scale 1:200



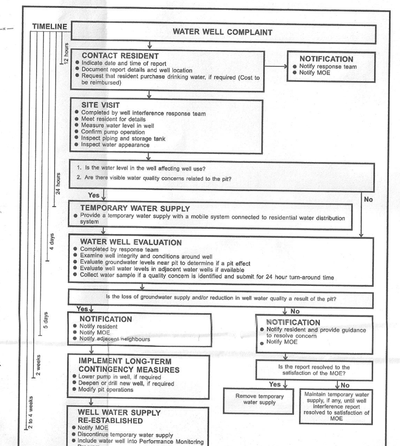
Noise Control Detail

SCALE 1:5000

- PROCESSING PERMITTED
- NO PROCESSING PERMITTED
- ONLY 2 EXTRACTION LOADERS
- ONLY 1 EXTRACTION LOADER, (see sound level limit, equipment table)
- ONLY 1 QUIET EXTRACTION LOADER (see sound level limit, equipment table)
- R1 NOISE RECEPTOR



GRADING DETAIL 'A' (From Behan Construction Ltd., September 2017)



Operations Schematic

Notes cont'd:

Fencing

1.2.8 All proposed fencing will be as indicated on the "Operations Schematic" diagram. Fencing for the East Parcel will be installed prior to the commencement of operations in Phase 2. Fencing for the West Parcel (lots 33 & 34) will be completed in stages within 2 years of issuance of the licence as indicated on "Operations Schematic" diagram. At south and east licensed boundary segments of the West Parcel, fence is to be offset from licensed boundary by 5m (interior to pit) where boundary is along a tree line/hedgerow. The subject licensed boundary segments are to be demarcated at the time fence construction is undertaken.

Proposed Buildings and Structures

1.2.9 There are no proposed permanent buildings and/or structures. A portable processing plant will be initially located on site in the approximate location shown and will move throughout the life of operations subject to restrictions outlined on the "Noise Control Detail". Small temporary structures (e.g. trailers, quonset huts) may be located on-site subject to applicable approvals and will be removed at the end of the life of the pit. An on-site hydro line as shown on the "Operations Schematic" diagram will be constructed and used for processing operations at the pit. As extraction operations progress, the hydro line will be reconstructed at a lower elevation within the existing corridor. Once available, detailed design drawings for the replacement line will be provided to MNRF.

Topsoil and Overburden Stockpiles

1.2.10 Overburden and topsoil not required for immediate use in berm construction or progressive rehabilitation of this site may be temporarily stockpiled at grade or on the active pit floor.

Aggregate Stockpiles and Recyclable Material

1.2.11 Stockpiles of aggregate material will be located on the active pit floor adjacent to the portable plant. Importation of aggregate product for crushing/blending with onsite material will occur **in an amount not exceeding 50,000 tonnes per calendar year**. Imported aggregate material will be stockpiled adjacent to the portable plant. Recyclable materials will not be imported.

Temporary Scrap Storage

1.2.12 A scrap storage area will be located in the general vicinity shown, southeast of the initial portable plant location. Scrap will be removed/relocated on an ongoing basis.

Fuel Storage

1.2.13 No permanent fuel storage is proposed on site. A permanent tank will be located off site adjacent to the scale/scale house. A temporary portable tank(s) in compliance with the TSSA/Liquid Fuels Handling Code may be brought onsite to refuel equipment

Area to be Extracted

1.2.14 The area to be extracted is ±80.1 ha. (±198.0 ac).

Setbacks

1.2.15 Setbacks will be as shown and labelled on the "Operations Schematic" diagram.

Extraction Depth

1.2.16 The proposed maximum depth of extraction is indicated by the proposed spot elevations on the "Operations Schematic" Diagram this page. The maximum depth of extraction ranges from approximately 23m to 46m. The maximum depth of extraction will remain a minimum of 1.5m above the May 2008 identified ground water table.

Processing Equipment

1.2.17 An initial processing plant will be located on site in the approximate location shown and will move throughout the life of the operations subject to restrictions as shown on the Noise Control Detail, this page.

Berms

1.2.18 Locations, heights and details on phased installation and removal for all berms is provided on the "Operations Schematic" diagram. CBM Aggregates will approach the McNichol and Ferguson home owners to request their participation in discussion around the design and content of a planting plan for the berm sections adjacent to their respective residences and to coordinate with the homeowners on the construction of berm sections adjacent to their respective residences. See recommendations from Visual Impact Assessment at Note 1.2.27 (this page) for additional information.

1.2.19 All berms will be constructed in accordance with the "Typical Acoustic Berm Detail" and will be vegetated and maintained to control erosion. Temporary erosion control will be implemented as required. Additional berms may be constructed within the area to be extracted as required to provide for temporary storage or mitigation measures. Proposed berms are to be located outside of pre-existing treed portion of the excavation setback. Also, berms are to be located such that a 25 meter distance from the bole of any butternut trees to be retained as per MNR approval.

Equipment

1.2.20 Main equipment on site may include, but is not limited to: earth scrapers, bulldozers, excavators, extraction and shipping loaders, processing plant (crushing, screening, washing), pit trucks, highway trucks, conveyors and service vehicles for general operations and maintenance. No more than 2 pit trucks (or highway trucks) shall operate in the pit to haul material from the working face to the processing area. When a wash plant is installed during Phase 1, it will be situated in accordance with an Environmental Compliance Approval (ECA). Notice of any application for a Permit to Take Water (PTTW) associated with the licensed pit operation will be provided through direct correspondence to the Clerk/CAO for the Municipality of Brighton and to the owners of all water wells that are included in the monitoring agreement, and the Community Liaison Group. In addition, CBM shall host a public meeting to explain the details of the proposed Permit to Take Water.

Tree Screens

1.2.21 No additional tree screen planting (at boundary of site) beyond that which is indicated on the "Typical Acoustic Berm Detail" is proposed for this site.

Hours of Operation

1.2.22 Shipping, extraction and processing hours at the pit will be restricted to the daytime hours of 07:00 to19:00 hours, Monday to Friday only, and 07:00 to 12:00 hours (noon) on Saturday. The pit will not operate on Sunday or statutory holidays (Employment Standards Act). Construction (site preparation) and rehabilitation activities shall be restricted to the daytime hours of 07:00 to 19:00 hours. Monday to Friday only. No construction or rehabilitation will occur on weekends or statutory holidays (Employment Standards Act).

Tree and Stump Disposal

1.2.23 Timber resources will be salvaged for use as saw logs, fence posts and fuel wood where appropriate. Stumps and brush cleared during site preparation will be burned (subject to necessary local approvals), used for habitat enhancement or mulched for use in the progressive rehabilitation of the site. Pre-existing woody vegetation, including hedgerows, tree lines and forested areas, will not be cleared between April 15 to July 31 of any calendar year. Activities related to agricultural farm crops may continue as part of the farming operation.

Cross Sections

1.2.24 Location of cross sections are as shown. Cross sections are provided on page 4 of 4.

Variations to Operational Standards

1.2.25 The following Operational Standards (Section 5.0 of ARA Provincial Standards) will be varied by this site plan.

5.1 fencing of site will be delayed and will be offset from the two licensed boundary segments, as detailed on the "Operations Schematic" diagram and note 1.2.8 this page.

5.22 In addition to the proposed identification sign located at the scale house along the private haul road linking this site to County Rd. 30, signs will also be located at the at grade crossing between Phase 2 and Phase 3 when established and at the former field access (West Parcel, south boundary) located at the terminus of Ferguson Hill Rd.

Tonnage Limit

1.2.26 The total tonnage to be excavated annually from this site is 650,000 tonnes. The amount of material to be shipped from the site will not exceed 650,000 tonnes, including any material that is imported onto the site (maximum of 50,000 tonnes) for crushing/blending with onsite material as per Note 1.2.11.

Community Liaison Group

The Licensee covenants and agrees to use its best efforts and at its cost to organize a Community Liaison Group which will be comprised of representatives from the Municipality, the County, residents living in the vicinity of the Pit, and the Licensee. The costs, for which the Licensee shall be responsible, shall include and be limited to the costs of organizing and hosting the initial meeting and annual meetings thereafter including the costs of hall rental, advertising, and light refreshments. Prior to commencing operations of the Pit, the Licensee shall, at its expense, advertise and host an initial meeting of the Community Liaison Group. The Licensee shall provide the Community Liaison Group with a complaint procedure and emergency contact information. The Licensee shall use its best efforts to advertise, organize and host a meeting of the Community Liaison Group at least once annually.

1.2.27 Technical Recommendations

Noise: MHBC Memorandum (May 10, 2013)

Prior to any excavation related operations on-site (including site preparation), CBM will investigate the availability of suitable alternative warning devices to traditional 'beeper' type back-up warning devices which, if they are found to meet Ministry of Labour (MOL) regulatory requirements and CBM / equipment manufacturer's standards, will be used on CBM owned equipment operating on-site. If no devices are found, CBM will periodically investigate the availability of alternate warning technologies that meet MOL requirements and CBM /equipment manufacturer's standards. CBM to provide written notice to the Municipality of the findings of their investigation(s) regarding the use of alternative warning devices.

CBM will undertake a noise monitoring program at the Codrington pit site. Details of the monitoring are provided in the document entitled "Codrington Pit, Environmental Noise Monitoring Program & Complaint Procedure" prepared by Aercoustics Engineering Limited and Dated: February 24, 2013.

With respect to complaints from members of the public regarding noise, CBM will implement the following procedure:

1. Complaints shall be directed to CBM Aggregates at telephone number: 613-475-2420
2. CBM Aggregates will complete a Noise Complaint Form as per the Environmental Noise Monitoring Program & Complaint Procedure (Aercoustics Engineering Limited and Dated: February 24, 2013)
3. A CBM Aggregates representative will contact the complainant to advise of CBM's investigation of the complaint and discuss any further actions that CBM or the complainant may take with respect to the complaint .

1. A temporary acoustic berm (min. 3m height above existing grade) is to be constructed in the proposed location, prior to extraction operations within 200m of the south perimeter of Phase 1.
2. Prior to extraction of any portion of Phase 1 west of the temporary north/south acoustic berm, or entering into Phase 3, the remainder of the southern setback berm will be constructed.
3. The temporary north/south berm will remain in place until the remainder of the southern setback berm has been constructed.

Noise: APPENDIX B - Recommended Noise Control Measures (Source: Aercoustics Engineering Limited, April, 5 2012)

1. Except where further restrictions apply as outlined below, the extraction and processing equipment operating in the pit shall not exceed 3 extraction loaders, one crushing/screening/washing plant, 2 shipping loaders, and the 2 pit trucks (or highway trucks) or conveyors required to haul the material from the working face to the processing area. The reference sound levels of the equipment shall not exceed those listed in the table below.

Equipment	Sound Level Limit (dBA) One hour Leq @ 30 meters
Loader (each)	74
Loader (quiet)	69
Crushing/Screening/Wash Plant	87
Pit Truck (each)	74

2. Extraction, processing and shipping operations in the pit shall be restricted to the daytime hours (07:00-19:00).
3. The property line berming requirements are specified on the noise control figure. The berms along the west and south property lines (Phases 1 & 3) shielding receptors R1 and R2 shall be constructed prior to commencement of extraction and processing operations at the site. The remainder of the berming along the south perimeter of Phases 1 & 3 shall be constructed prior to extraction operations within 200 metres of the south perimeter of the site.
4. The 1st and subsequent lifts shall be of a minimum depth of +/- 8 metres where the depth of the resource makes this possible.
5. The direction of extraction is specified on the figure for those areas where shielding of the extraction equipment by the working face is a noise control requirement. In the areas where the direction of extraction is specified, the loader(s) shall remain within +/- 20 metres of the working face while loading the haul trucks. Where there is not sufficient deposit to meet the minimum 8 m high face requirement, the lifts shall be extracted in close succession such that the total (combined) face height is at least 8 metres.
6. Only one or two extraction loaders shall operate in the southwest areas of the site as specified on the figure. The single extraction loader is further restricted to a "quiet" loader in proximity to residences R1 and R2. The material extracted from the area where the quiet loader is required shall be transported to the processing plant using highway trucks rather than pit trucks. When extracting within one of the specified areas where there is a restriction on the number of extraction loaders, there shall be no concurrent extraction elsewhere in Phases 1 or 3. Two shipping loaders are permitted to operate at the stockpiles located in the area of the processing equipment.
7. Operation of the processing equipment (plant) is permitted only in the areas indicated on the figure. The plant must be shielded with a local barrier from specified residences in the surrounding area. The local plant barrier requirements with respect to each receptor, in terms of the minimum barrier height (relative to the equipment ground elevation) and the maximum distance from the acoustic center of the processing equipment to the top of the barrier, are defined in the following table for both the daytime and nighttime cases. Local barrier requirements vs. setback from the receptor are indicated. The local plant barrier should consist of the working face augmented by a berm as required. The barrier shall be continuous through the arc required to shield the specified residences. Alternative noise control measures may also be employed to effectively mitigate the noise from the processing equipment. If the noise emissions of the processing equipment are reduced through source controls or equipment selection, the local barrier around the processing area could be reduced in height or located a greater distance from the equipment. The local plant barrier is only required for residences R1 and R2 when the plant is operating in Phases 1 & 3. The plant need not be shielded with a local barrier from the remainder of the residences if the plant is setback greater than 1000 metres from the residence.
8. During site rehabilitation, the acoustical berm segments located interior to the perimeter setbacks shall be removed at the outset, prior to removal of the remaining perimeter acoustical berming. The resource underlying the "interior" berm segments shall be extracted using one quiet loader only, and hauled to the processing area using highway trucks. There shall be no concurrent processing or shipping west of the Lot 31/32 road allowance.
9. The sound emissions of all construction equipment involved in site preparation and rehabilitation activities shall comply with the sound level limits specified in MOE publication NPC-115 "Construction Equipment". Site preparation and rehabilitation operations shall be restricted to weekdays 07:00-19:00.
10. Any proposed changes to the aspects of the extraction and processing operations dealt with above as relating to noise control shall be reviewed by a qualified acoustical consultant for compliance with the relevant noise criteria.

Receptor	Processing Plant Local Shielding Requirements
R1	10 m high @ 30 m (8 m high @ 50 m if SB >500 m)
R2	10 m high @ 30 m (8 m high @ 50 m if SB >600 m)
R4-R7	9 m high @ 50 m (8 m high @ 50 m if SB >650 m)

Natural Environment: "Level 1 and Level 2 Natural Environment Technical Report - Codrington Property" (source: AECOM Ltd., February 2009)

a) Implementation under the supervision of a qualified ecologist of the specialized Preservation/Reforestation/Regeneration plan as explained in this report in section 8.5.1 and 8.5.3 and as listed in Appendix E;

b) Tree protection fencing to be placed at a distance of 12 m from trunks of butternut trees in the south setback by a qualified ecologist prior to berm construction (as discussed in section 8.1). No disturbance will be permitted within the tree protection zone;

c) Edges of candidate Significant Woodland which are not to be excavated (i.e., along the buffers) shall be planted with conifers (e.g., native spruce species) which will help to minimize dust and noise disturbance into the woodlands;

d) Topsoil and overburden shall be stripped and stored separately where sufficient soil horizons exist. Topsoil and overburden may be stored in berms; used during progressive rehabilitation; and/or stored in temporary berms/stockpiles at the perimeter of the area to be extracted until needed for rehabilitation;

e) Surface drainage from any disturbed areas shall be directed into the pit excavation. Silt fencing, straw bales, ditches etc, shall be used as required to prevent sedimentation from leaving the site, until vegetation is established; and

f) All berms shall be graded to a maximum of 1.5:1 slopes. Berms. overburden stockpiles, and all areas progressively rehabilitated shall be vegetated with a perennial native grass mixture planted in the fall or spring season and shall be maintained and reseeded until self sustaining cover is established.

Hydrogeology: The original technical reports prepared and submitted with the application were:

"Hydrogeological Study, St. Marys Cement Inc. (Canada), Codrington Property" (Source: Jagger Hims Limited, March 2009); and, "Addendum to "Hydrogeological Study, St. Marys Cement Inc. (Canada), Codrington Property", March 2009 (Source: Jagger Hims Limited, May 15, 2009)."

As a result of the peer review undertaken of the above described report/addendum, their recommendations have been superseded by Genivar (formerly Jagger Hims) report dated July 27, 2012 in response to BGC Engineering Comments dated July 20, 2012. The following text is a compilation of relevant findings/recommendations from the Jagger Hims and Genivar reports. The text has been verified by Genivar by memo to MHBC dated November 2, 2012, and on June 27, 2013.

a) Development of the pit as an above the water table operation will not have a negative effect on local groundwater or surface water resources. However, it is recommended that the following monitoring program be implemented to enhance the baseline database, to provide input to contingency measures, if required, and to confirm acceptable water resource conditions during pit operations.

b) Considering the proposed extraction area, monitoring wells BH05-19 and BH05-20 should be decommissioned prior to extraction in their area in accordance with the regulatory requirements. The monitoring program should include the following.

1. Groundwater Level Monitoring; per Tables 1and 2, page 4 of 4.
2. Groundwater Quality Monitoring; per Tables 1, 2, and 3, page 4 of 4.
3. Surface Water Flow Rate Monitoring; per Table 1, page 4 of 4
4. Surface Water Quality Monitoring; per Tables 1 and 3, page 4 of 4
5. Annual Reporting. The report shall be prepared by March 31 of each year to summarize the monitoring results of the preceding year, and to document complaints and responses. The Annual Report shall be available upon request to regulatory authorities and the Municipality.
6. Water Well Complaint Response Program; per chart at page 2 of 4.

Archaeology: "Stage I and Stage II Archaeological Assessment of the Proposed Hilton Pit" (Source: C.R. Murphy Archaeology, November 2008)

a) Two historic archaeological sites were discovered during the Stage II investigation. Both sites are also partially within mandatory setbacks, and avoidance of the sites is the preferred mitigation strategy of the CBM management personnel. Five metre buffer zones have also been added beyond the site limits to further insure permanent protection of these sites.

b) In the event that these sites are to be adversely affected by gravel extraction or any other activity that may cause damage to cultural resources, Stage III archaeological test excavations are required, and possible Stage IV archaeological salvage excavation will also be required.

c) Significant pre-contact or historic archaeological sites were not found at any other location within the currently proposed extraction zone. Therefore, there are no immediate archaeological concerns associated with the remainder of this project.

d) In the event that deeply buried archaeological material is found during extraction, the office of the Archaeology and Heritage Planning Unit, Ministry of Culture, (MCUL) [(519)675-7742] will be notified immediately.

e) In the event that human remains are encountered during extraction, the proponent should immediately contact both the Ministry of Culture, (MCUL), and the Registrar or the Deputy Registrar of the Cemeteries Regulation Unit of the Ontario Ministry of Government Services (MGS) (416) 326-8404 as well as the appropriate municipal police, the local Medical Officer of Health and Archaeologix Inc.

Ministry of Tourism, Culture and Sport (Culture Division) letter dated June 26, 2012 (*relevant excerpts only*):

a) CBM [the proponent] is committed to avoiding both the Cumming Site (BaGk-14) and the Storm Site (BaGk-15). An ARA site plan has been produced showing the location of the archaeological sites within the set-back limits.

b) Visible markers in the form of T-bars have been installed around the limits of the buffer around each site.

c) Each site is located outside of the extraction limit and CBM will not be permitted under their licence to extract in this area. In addition to the T-bars, additional set-back limit markers will mark the limits of the extraction area and will be installed prior to extraction activities at the Codrington Pit.

d) CBM is committed to informing all work crews of the location of the archaeological sites and will instruct staff to avoid these areas.

e) Should CBM intend to expand the extraction limit of the Codrington Pit in the future they are aware that subsequent archaeological assessments must be undertaken at the Cumming Site (BaGk-14) and Storms Site (BaGk-15) prior to any ground disturbing activities.

Visual Impact Assessment (MHBC Planning, Feb. 17, 2012)

For any earth berms constructed adjacent to the McNichol and Ferguson properties, it is recommended that St. Marys/CBM consider landscape design options to mitigate the visual impact of the berm itself. Options to consider would include techniques such as specialized berm design (eg. variations in height, slope and orientation while maintaining noise control specifications), and a trees/shrub planting plan. It is further recommended that St. Marys approach the subject homeowners to request their participation in discussion around the design and content of the planting plan.

Additional MHBC note:

As an added requirement to address the proximity of the McNichol and Ferguson residences to the proposed berm construction, CBM will contact the homeowners to coordinate with them on the construction of berm sections adjacent to their respective residences.

Legend

- Boundary of Area to be Licensed
- Field Entrance
- Surface Drainage Feature — ARROW INDICATES DIRECTION OF FLOW IF ANY
- Building/Structure — LOCATION AND USE FOR BUILDINGS ON SITE AND WHERE TRUCK ARE SHOWN ON THIS PLAN
- Proposed Spot Elevation — PROPOSED PIT FLOOR, MINIMUM 1.5m ABOVE IDENTIFIED WATER TABLE
- Direction of Excavation — GENERALIZED
- Hydrogeological & Surface Water Monitoring /Borehole — MONITORING WELLS EXISTING (BH05-2) & PROPOSED (A); BOREHOLE; PRIVATE WELL; SURFACE WATER STATION
- Proposed Berms — ACOUSTIC AS SHOWN. ACOUSTIC BERM HEIGHTS AND ELEVATIONS AS INDICATED ON PLAN.
- Berm Elevation & Height — MINIMUM GEODETIC ELEVATION (m. a.s.l.) AND APPROXIMATE NOMINAL BERM HEIGHT
- Limit of Extraction — ALL SETBACKS ARE DRAWN TO SCALE AND SHOW LABELLED DISTANCES.
- Hydro Easement & Transmission Tower
- Existing Vegetation
- Existing Fence — 1.2m POST & WIRE FARM FENCE UNLESS OTHERWISE NOTED
- Proposed Fence — 1.2m POST & PAGE WIRE OR HIGH TENSILE
- Operational Entrance — MAINTAINED BY A GATE WHICH WILL BE CLOSED WHEN PIT IS NOT IN OPERATION
- Existing Water Feature — AS INDICATED
- Travelled Laneway — AS INDICATED ROAD ALLOWANCES BETWEEN LOTS 32 & 33 AND CONC. 5 & 6 CONTAIN UNPAVED TRAVELLED PORTIONS PROVIDING ACCESS TO TRANSMISSION CORRIDOR.
- On-Site Hydro Line and Corridor
- Cross Sections — SEE PAGE 4 OF 4 FOR EXISTING AND REHABILITATED CROSS SECTIONS

Notes:

NUMBERING SCHEME USED FOR OPERATIONAL NOTES REFERS TO AGGREGATE RESOURCES ACT PROVINCIAL STANDARDS FOR A CLASS "A" LICENCE CATEGORY 3 APPLICATION.

Sequence and Direction

1.2.1 The Operations Schematic (this page) is based on the best information available at the time of preparation. Extraction will commence in the central portion of Phase 1 and proceed outwards towards phase and/or extraction limits. Given the depth, quality and variability of the deposit (± 50m maximum), extraction within each phase(s) may occur concurrently on multiple lifts subject to the operational restrictions shown on the "Noise Control Detail" (this page). Phases do not represent any specific or equal time period. Overlap or concurrent operations between Phases 1, 2 and 3 will be required due to resource variability and to allow a smooth/consistent transition from one area to another. The direction of extraction will generally be as indicated on the schematic.

Topsoil and Overburden Stripping and Stockpiling

1.2.2 Within the limit of extraction, the site will be stripped of topsoil and subsoil in stages. Topsoil and subsoil removed from areas to be extracted will be used for berm construction, stored and/or used directly in rehabilitation of this site. Where there is a distinguishable layer, the topsoil will be stripped, handled and replaced as a separate layer. Topsoil from Phases 1 and 3 (wooded areas) will be transferred directly to reforestation areas whenever feasible to minimize storage and accelerate reforestation. See notes 1.3.2, 1.3.3 & 1.4.3 on page 3 of 4 for additional information. Topsoil and overburden from forested areas will be stored separately from other topsoil and overburden sources (e.g. field). Topsoil and overburden stripped from forested areas will be replaced in areas identified for reforestation /replanting. Pre-existing woody vegetation, including hedgerows, tree lines in forested areas, will not be cleared between April 15 to July 31 of any calendar year. Activities related to agricultural farm crops may continue as part of the farming operation.

Lifts

1.2.3 Above water extraction will occur in up to 6 lifts . The number and height of lifts will be adjusted as necessary to account for the material variability and onsite equipment and will be in accordance with noise recommendations (note 1.2.27, noise 'd' & 'e') and Ministry of Labour, requirements. Where extraction occurs in 3 or more lifts an operational bench during active extraction and a swale/bench incorporated into the final rehabilitated 3:1 slope will be constructed in accordance with the "Typical Side Slope Swale Detail" page 3 of 4

Main Internal Haul Roads and Entrance/Exit

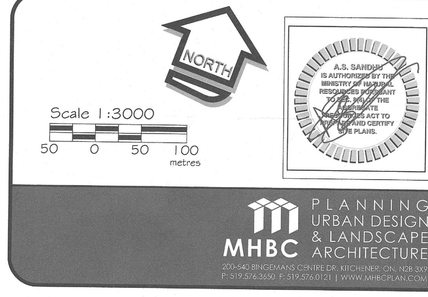
1.2.4/1.2.5 All trucks will enter and exit the site near the northwest corner of the West Parcel, and at the described locations alongside the road allowance between the East and West Parcels. The main internal haul routes will be located between the extraction/processing/stockpile areas and the entrance/exit. Locations may vary depending on face locations and extent of rehabilitation/backfilling. Truck access onto the public traveled roadway will occur at the Archer Pit haul road at County Road #30.

Ground Water Table

1.2.6 The base of excavation will be 1.5 m above the May 2008 groundwater table, (source: "Hydrogeological Study, St. Marys Cement Inc. (Canada), Codrington Property",Jagger Hims Limited, March 2009) which had an elevation of ± 175 m above sea level (asl) within the central portion of Lots 33 and 32 , falling off to below ± 150 m asl in the northwest, ± 155 m asl in the northeast, ± 165 m asl in the southeast, and ± 160m asl in the southwest.

Water Diversions

1.2.7 No water diversion or offsite discharge is proposed for this site.



DRAFT REVISIONS
January 30, 2014 - Licence Issuance

AMENDMENTS APPROVED LICENSED SITE PLAN

DATE	DESCRIPTION
March 13 2014	Relocate Operational Entrance on north Licensed Boundary to the east
August 27 2014	5m fencing offset along south and east licensed boundary of West Parcel
May 11 2016	Temporary north/south berm.
September 18 2017	Installation of hydro lines/poles on site.
May 9 2019	Add location of wash pond area.

PROJECT NAME:

Codrington Pit

Job No.	Y321D CBM Codrington		
Dwn. By	G.H. / D.G.	Chkd. By	A.S.
File No.	K:\Y321D_CBM_Hilton\A\Operplan_2of4.dwg		

Part Lots 32 -34
Concession 6
Municipality of Brighton
(geographic township of Brighton)
County of Northumberland

ST MARYS CBM

St.Marys Cement Inc. (Canada)
55 Industrial St. Toronto, Ontario
M4G 3W9 Telephone (416) 423-1300