

Existing Features

1 of 4

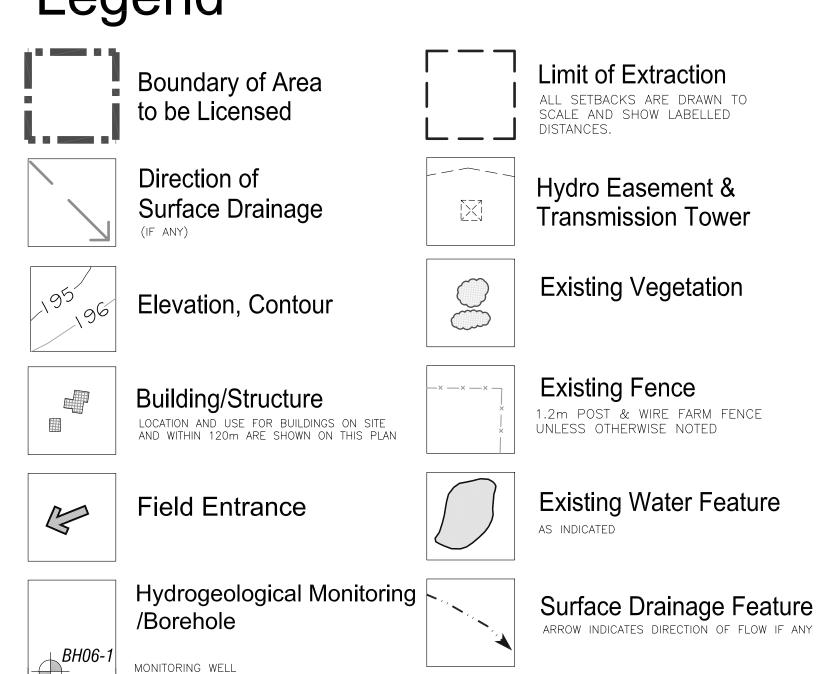
Travelled Laneway AS INDICATED

ROAD ALLOWANCES BETWEEN LOTS 32 & 33 AND CONC. 5 & 6 CONTAIN UNPAVED TRAVELLED PORTIONS PROVIDING ACCESS TO

RANSMISSION CORRIDOR.

Archaeological Site

Legend



Notes:

BH05-1 BOREHOLE

- I. THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENCE (CATEGORY 3).
- TOPOGRAPHIC INFORMATION OBTAINED FROM FIRST BASE SOLUTIONS "UMAP" MAPPING SERVICE. ADDITIONAL HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED ONSITE BY 43 DEGREES NORTH, SURVEY & MAPPING SOLUTIONS IN MARCH 2007, RECTIFYING JAGGER HIMS MONITORING WELLS; BH05-2, BH05-18, BH05-19, BH05-20 & BH06-1 WITH EXISTING ELEVATIONS. CONTOUR INTERVAL IS 1.0 METRE. ALL ELEVATIONS ARE GEODETIC.
- 3. PROPERTY BOUNDARY DESCRIPTION WAS TAKEN FROM PLAN OF SURVEY, 39R 1 1088 DATED JANUARY 04, 2006 PREPARED BY KERRY BOEHME O. I.S.
- 4. SUBJECT SITE IS ZONED "RURAL" (RU & RU-1). ZONING INFORMATION OBTAINED FROM SCHEDULE 'A' OF THE MUNICIPALITY OF BRIGHTON ZONING BY-LAW NO. 140-2002 (DEC. 16, 2002).
- 5. LAND USE INFORMATION COMPILED FROM (i) 2002 DIGITAL ORTHO AERIAL PHOTOGRAPHY, AND (ii) FIELD SURVEYS DATED AUG. -NOV. 2005.
- 6. AREA TO BE LICENSED ± 104.9 ha. (±259 ac.)

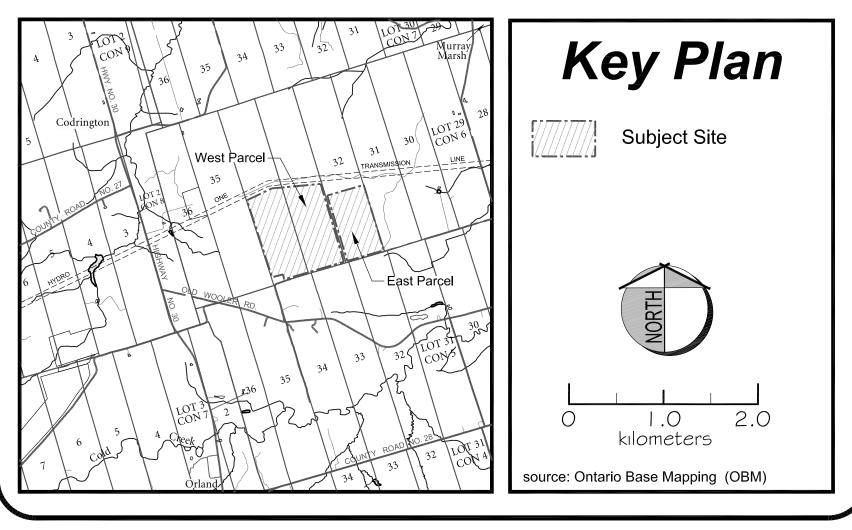
 AREA TO BE EXTRACTED, ± 80.1 ha. (±198 ac.)

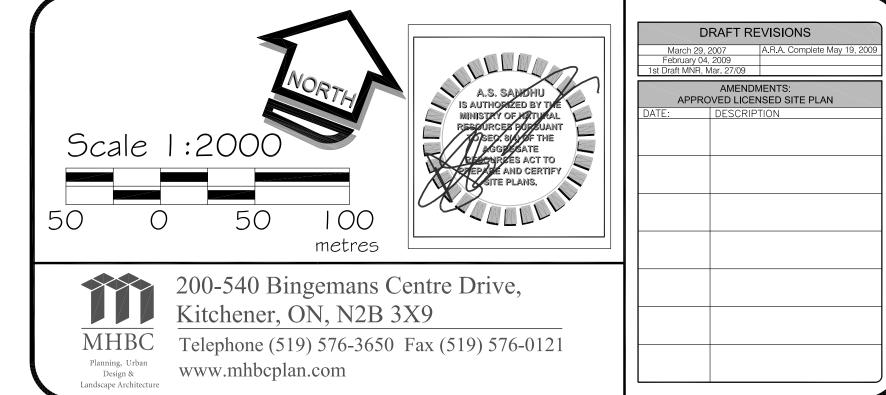
 [WEST PARCEL, ± 25.7 ha. (±64 ac.) EAST PARCEL, ± 54.4 ha. (±134 ac.)]

Cross Sections

SEE PAGE 4 OF 4 FOR
EXISTING AND REHABILITATED
CROSS SECTIONS

- 7. HYDROGEOLOGICAL INFORMATION TAKEN FROM "HYDROGEOLOGICAL STUDY, ST. MARYS CEMENT INC. (CANADA), CODRINGTON PROPERTY" (SOURCE: JAGGER HIMS LIMITED, MARCH 2009) IDENTIFIES A MAY 2008 GROUNDWATER TABLE MOUND WITH AN ELEVATION OF ± 175m ABOVE SEA LEVEL (ASL) CENTRALLY LOCATED IN LOTS 33 \$ 32 FALLING OFF TO BELOW ± 150m ASL IN THE NORTHWEST, ± 155m ASL IN THE NORTHEAST, ± 165m ASL IN THE SOUTHEAST AND ± 160m ASL IN THE SOUTHWEST.
- 8. ALL MEASUREMENTS SHOWN ON THIS PLAN ARE IN METRES.



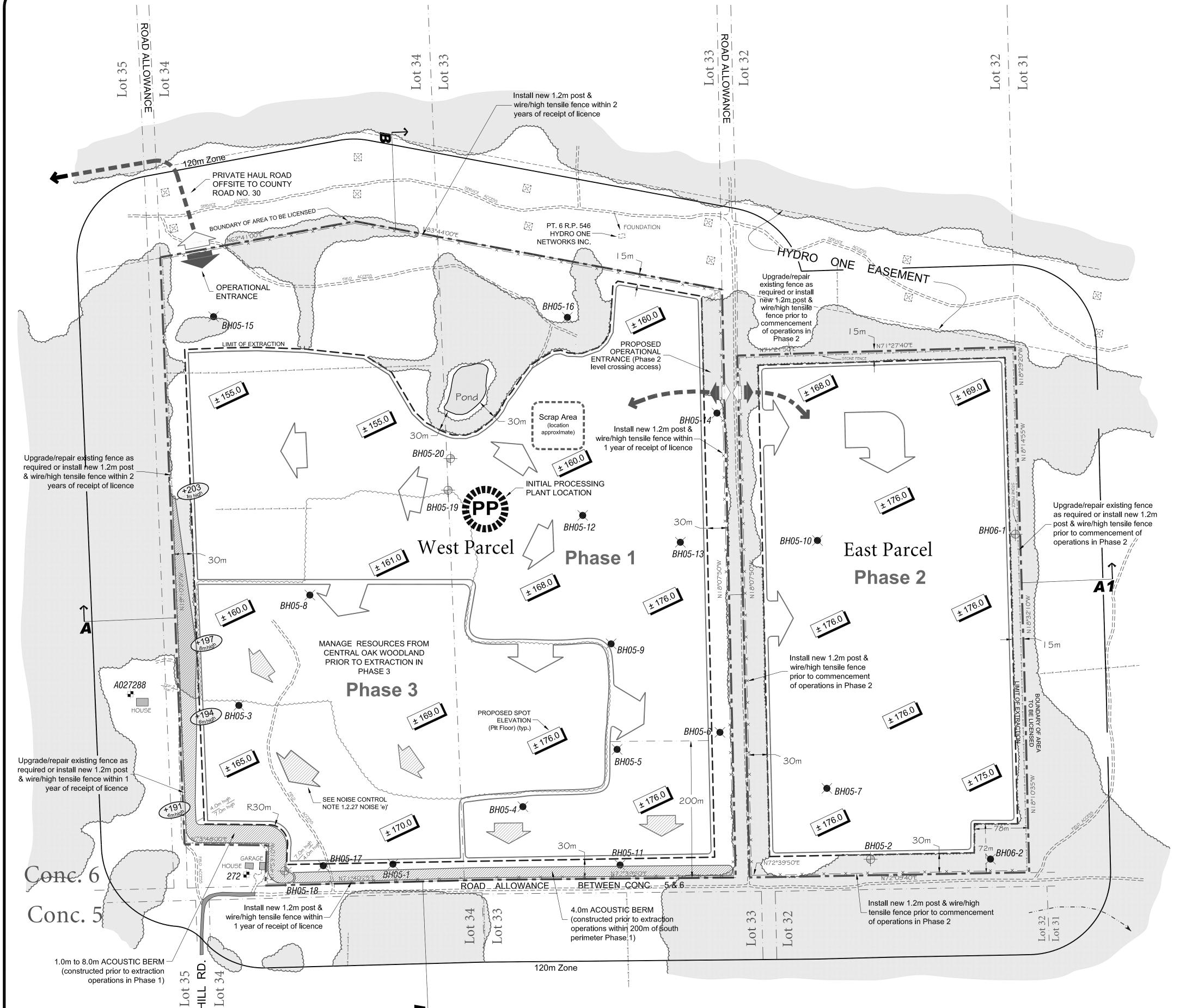


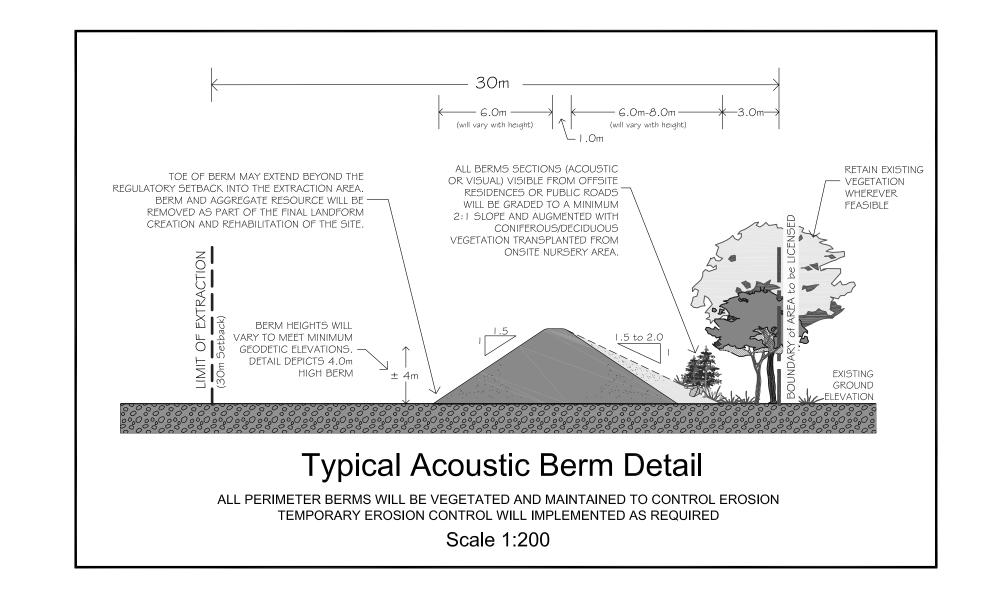


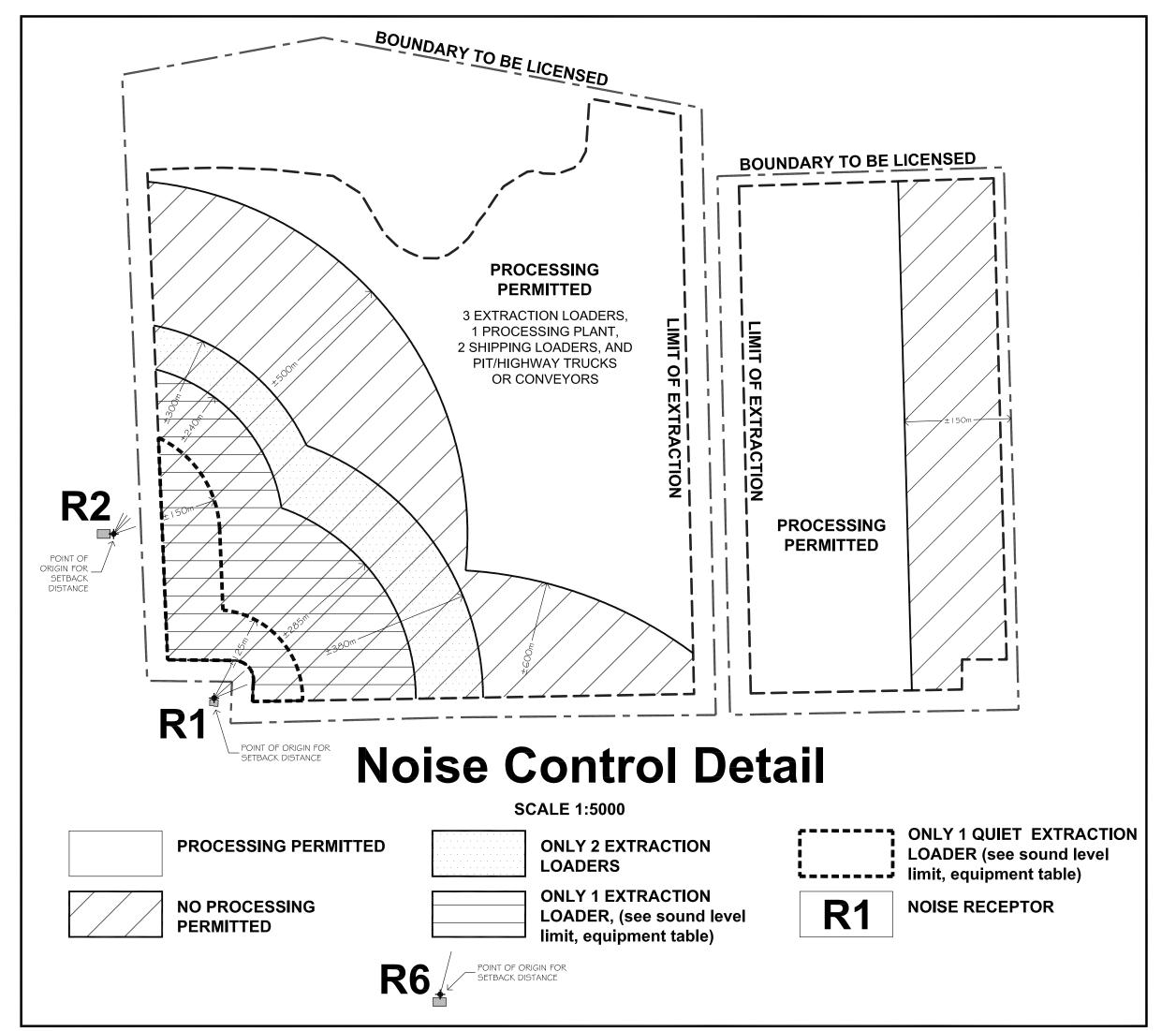


Part Lots 32 -34
Concession 6
Municipality of Brighton
(geographic township of Brighton)
County of Northumberland

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







Operations Schematic

Notes cont'd:

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

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.

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.

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.

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

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. 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, northeast of the initial portable plant location. Scrap will be removed/relocated on an ongoing basis

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

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

1.2.15 Setbacks will be as shown and labeled 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"

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

Diagram this page. The maximum depth of extraction ranges from approximately 23m to 46m. The maximum depth of extraction

the operations subject to restrictions as shown on the Noise Control Detail, this page.

1.2.18 Locations, heights and details on phased installation and removal for all berms is provided on the "Operations Schematic" diagram.

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.

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. When a wash plant is installed during Phase 1, it will be situated in accordance with a Certificate of Approval.

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 operations are restricted to the hours 06:00-19:00. Only one shipping loader shall operate prior to 07:00. Extraction operations in the pit shall be restricted to the daytime hours (07:00 to 19:00). Processing may occur 24 hours. Only one loader shall be used to feed material to the processing plant during the evening/nighttime period (19:00-07:00).

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.

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 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.

1.2.26 The total tonnage to be excavated annually from this site is 750,000 tonnes

1.2.27 Technical Recommendations

Noise: "An Assessment of the Potential Noise associated with Aggregate Extraction and Processing at the Proposed Codrington Pit" (Source: Aercoustics Engineering Ltd. May 14, 2009).

a) 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 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 metres loader (each) loader (quiet) crushing/screening/wash plant pit truck (each

b) Extraction operations in the pit shall be restricted to the daytime hours (07:00-19:00). Shipping operations are restricted to the hours 06:00-19:00. Only one shipping loader shall operate prior to 07:00. Aggregate processing may occur 24 hours. Only one loader shall be used to feed material to the processing plant during the evening/nighttime period (19:00-07:00)

c) The property line berming requirements are specified on the "Operations Schematic". 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.

d) The 1st and subsequent lifts shall be of a minimum depth of ±8 metres where the depth of the resource makes this

- e) The direction of extraction symbol is specified on the "Operations Schematic" and shaded 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 shaded, the loader(s) should 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 will be extracted in close succession such that the total (combined) face height is at least 8 metres.
- Only one or two extraction loaders shall operate in the southwest areas of the site as specified on the "Noise Control" Detail". 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.
- g) Operation of the processing equipment (plant) is permitted only in the areas indicated on the "Noise Control Detail". The plant must in general be shielded from the surrounding residences with a local barrier. 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 (SB) 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 local plant barrier is only required for residences R9 and R10 when the plant is operating in Phase 2. The plant need not be shielded with a local barrier from the remainder of the residences if the plant is setback greater than 1500 metres from the residence (or 1000 metres for the case of daytime processing only).

Receptor	Processing Plant Local Shielding Requirements	
	Daytime Operation	Nighttime Operation
R1	10 m high @ 30 m (8 m high @ 50 m if SB >500 m)	12 m high @ 30 m (8 m high @ 50 m if SB >650 m)
R2	10 m high @ 30 m (8 m high @ 50 m if SB >600 m)	11 m high @ 30 m (8 m high @ 50 m if SB >700 m)
R4-R7	9 m high @ 50 m (8 m high @ 50 m if SB >650 m)	11 m high @ 50 m (8 m high @ 50 m if SB >950 m)
R8		10 m high @ 50 m (8 m high @ 50 m if SB >1200 m)
R9-R10		10 m high @ 50 m (8 m high @ 50 m if SB >800 m)

- h) 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".
- i) 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.

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
- 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
- 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: "Hydrogeological Study, St. Marys Cement Inc. (Canada), Codrington Property" (Source: Jagger Hims Limited,

- 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 performance monitoring program be implemented to confirm acceptable conditions and to provide input to contingency measures, if required.
- b) Considering the proposed extraction area, monitoring wells BH05-19 and BH05-20 should be decommissioned in accordance with the regulatory requirements. The performance monitoring program should include the following.
 - 1. Groundwater Level Monitoring ~ Complete at BH05-2, BH05-18, and BH06-1 on a quarterly basis over the
- 2. Baseline Groundwater Quality Monitoring Complete one monitoring event at BH05-2, BH05-18, and BH06prior to extraction for the following parameters: pH, conductivity, turbidity, temperature, and total dissolved
- Annual Reporting Prepare an annual monitoring report by March 31· of each year to summarize the monitoring results of the preceding year. The report should document complaints and responses.
- 4. Groundwater quality sampling should be completed once, prior to commencement of pit operations. The groundwater level monitoring should be completed annually on a quarterly basis.
- c) It is predicted that an above the water table pit operation will have no negative effects on groundwater and surface
- d) If groundwater levels at BH05-2, BH05-18, and BH06-1 decrease by 2 m relative to baseline conditions, a detailed review of data collected for the site to determine the cause should be completed. If the water level decrease is a result of site operations, increase the scope of the performance monitoring program to include residential wells within 100 m of the site and the watercourse southeast of the site. Monitoring should include annual quality tests for the baseline
- e) If pit operations are determined to negatively affect groundwater or surface water resources, the following contingency measures should be implemented.
 - 1. Interference with acceptable quality or quantity of water in a water well should result in provision of an acceptable water supply by either installation of a new water well or a suitable alternative.
- 2. Negative effects on the watercourse should be remediated by changes in site operations or through site

Hims Limited, May 15, 2009) a) Based on discussions between the MNR representative and CBM, which was held on May 8, 2009, it is understood that

Addendum to "Hydrogeological Study, St. Marys Cement Inc. (Canada), Codrington Property", March 2009 (Source: Jagger

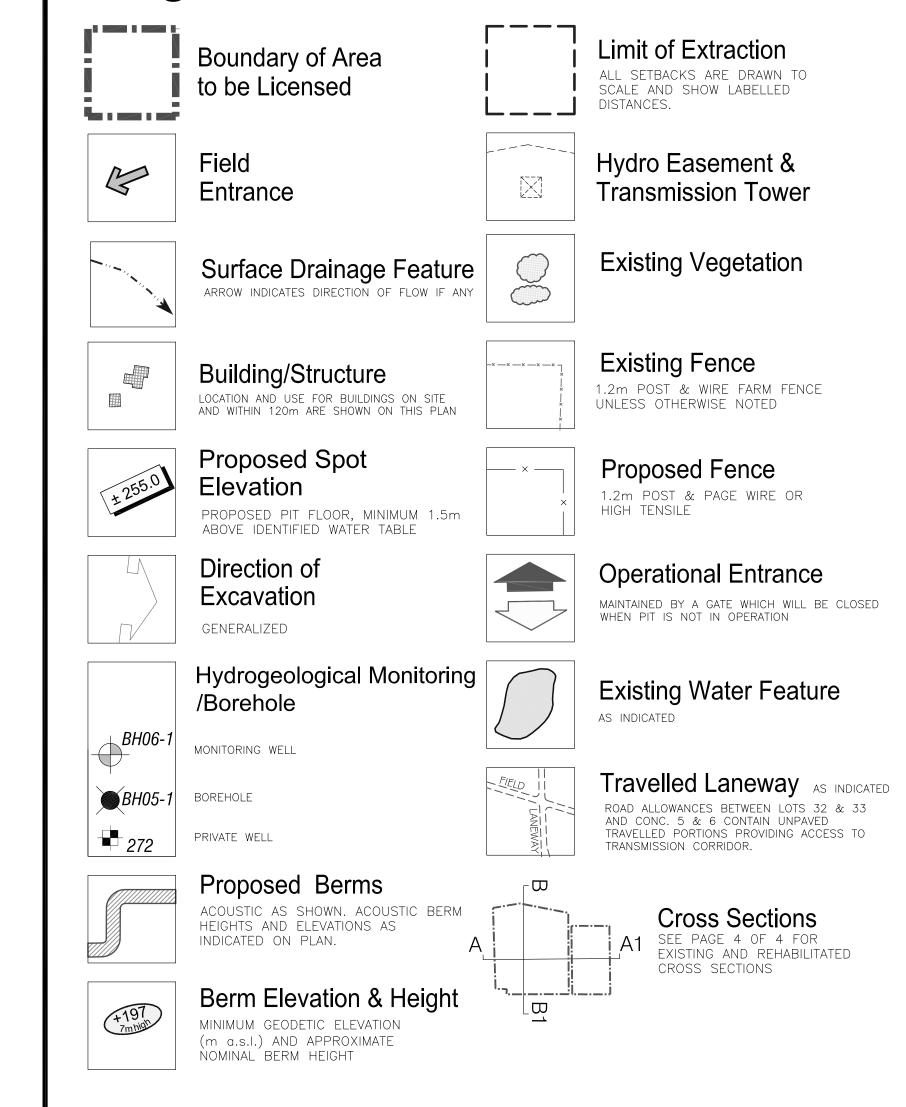
the groundwater performance monitoring program will be implemented as outlined in Section 4.0 of Jagger Hims Limited report during the Codrington Pit development.

Archaeology: "Stage I and Stage II Archaeological Assessment of the Proposed Hilton Pit" (Source: C.R. Murphy Archaeology, November 2006)

- 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
- 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
- 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.

Operational 2 of 4 Plan

Legend



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

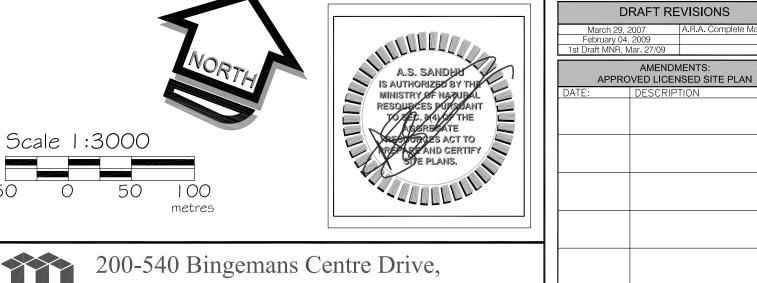
1.2.2 Within the limit of extraction, the site will be stripped of topsoil and subsoil in stages. Topsoil and subsoil removed from areas to be extracted will be used for berm construction, stored and/or used directly in rehabilitation of this site. Where there is a distinguishable layer, the topsoil 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.

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 at 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

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."



Kitchener, ON, N2B 3X9 MHBC Telephone (519) 576-3650 Fax (519) 576-0121 Planning, Urban
Design & www.mhbcplan.com

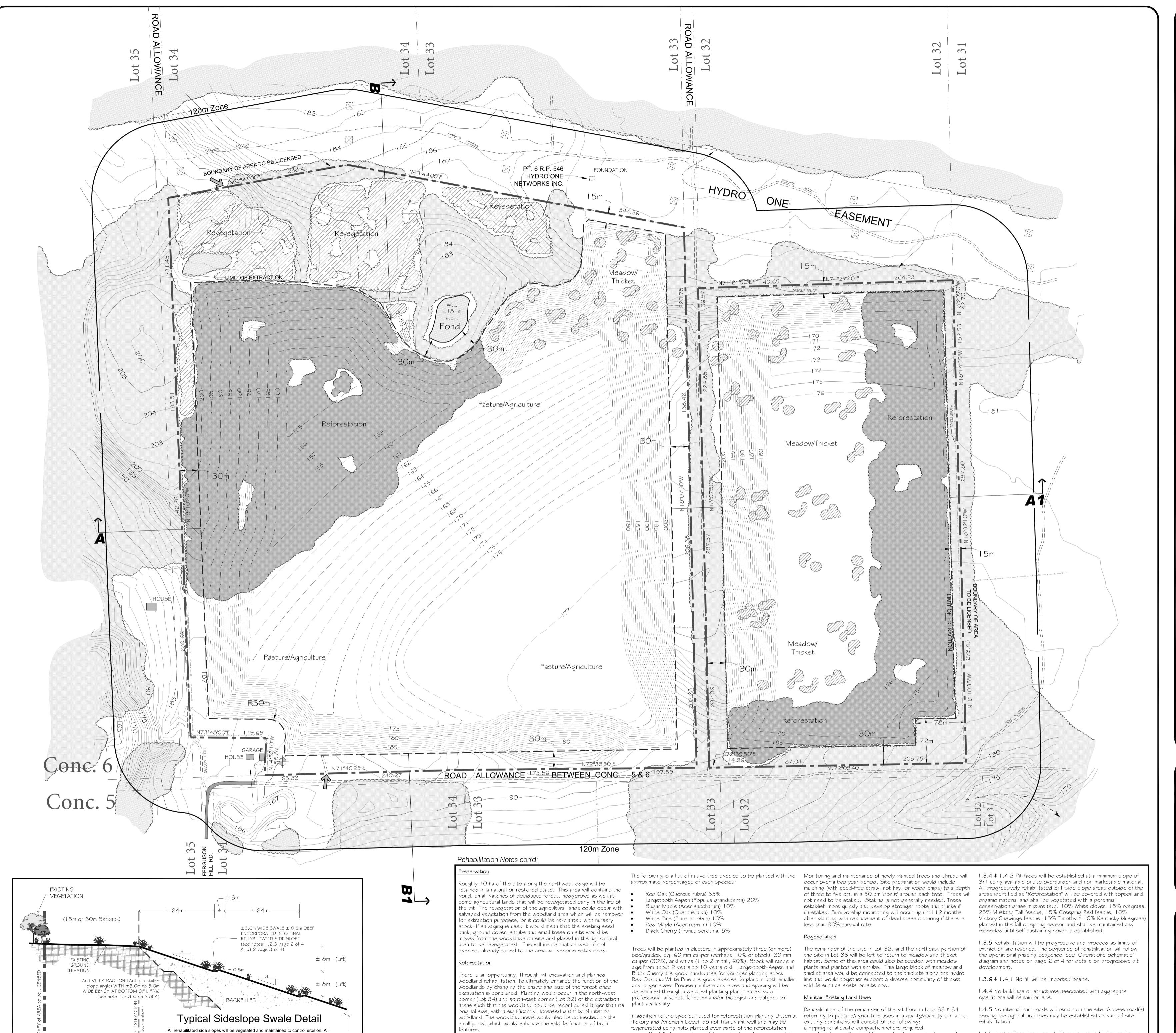
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Part Lots 32 -34 Concession 6 Municipality of Brighton (geographic township of Brighton) County of Northumberland

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



availability at time of rehabilitation.

also be planted.

Native upland shrub species such as Chokecherry, Rough-leaved

Dogwood, Maple-leaved Viburnum and Downy Arrow-wood would

progressively rehabilitated 3:1 side slope areas outside of the areas identified as

"Reforestation" will be covered with topsoil and organic material and shall be vegetated

with a perennial conservation grass mixture (e.g. 10% White clover, 15% ryegrass, 25%

Mustang Tall fescue, 15% Creeping Red fescue, 10% Victory Chewings fescue, 15%

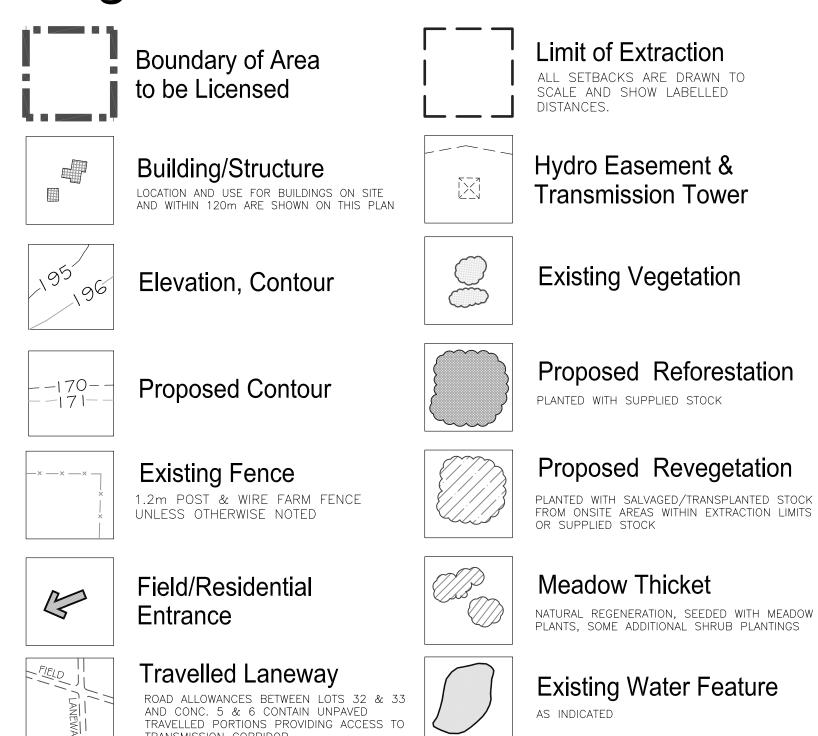
Timothy & 10% Kentucky bluegrass) planted in the fall or spring season and shall be

maintained and reseeded until self sustaining cover is established.

Scale 1:400

Final Rehabilitation

Legend



General Notes:

- . THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENCE (CATEGORY 3).
- TOPOGRAPHIC INFORMATION OBTAINED FROM FIRST BASE SOLUTIONS "uMap" MAPPING SERVICE. ADDITIONAL HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED ONSITE BY 43 DEGREES NORTH, SURVEY & MAPPING SOLUTIONS IN MARCH 2007, RECTIFYING JAGGER HIMS MONITORING WELLS; BH05-2, BH05-18, BH05-19, BH05-20 \$ BH06-1 WITH EXISTING ELEVATIONS. CONTOUR INTERVAL IS 1.0 METRE. ALL ELEVATIONS ARE GEODETIC.

Surface Drainage Feature

ARROW INDICATES DIRECTION OF FLOW IF ANY

3. PROPERTY BOUNDARY DESCRIPTION WAS TAKEN FROM PLAN OF SURVEY, 39R | 1088 DATED JANUARY 04, 2006 PREPARED BY KERRY BOEHME O.L.S.

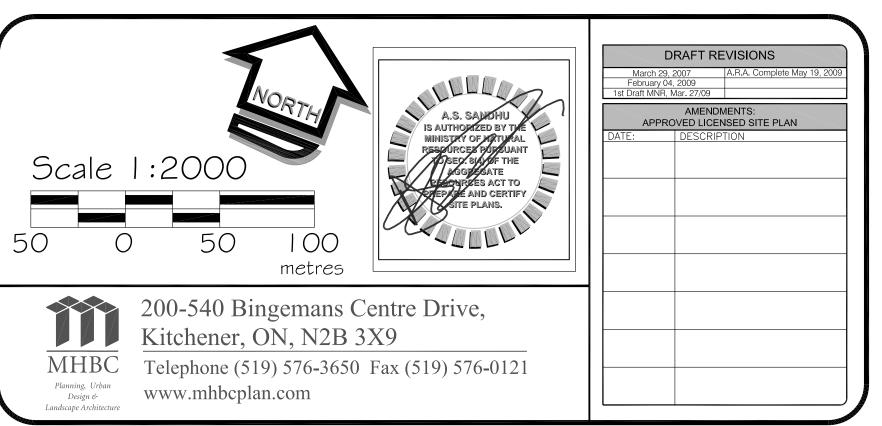
Rehabilitation Notes:

Numbering scheme used for operations notes refers to Aggregate Resources Act Provincial Standards for a Class 'A' licence (Category 3) application.

1.3.1 Rehabilitation will be progressive and proceed as limits of extraction are reached. The sequence of rehabilitation will follow the operational phasing sequence (note 1.2.1) and "Operations Schematic" diagram located on page 2 of 4.

1.3.2 Topsoil and overburden where present will be stripped, stored and replaced separately wherever there are distinguishable layers and sufficient thickness to allow handling in this manner. Topsoil from Phases I and 3 (wooded areas) will be transferred directly to reforestation areas whenever feasible to minimize storage and accelerate reforestation of northwest corner including those areas identified on this page as "Proposed Revegetation" outside the limit of extraction. Topsoil and overburden from forested areas will be stored separately from other topsoil and overburden sources (e.g. field) and only replaced in areas identified for reforestation /replanting. Overburden material will be used to backfill pit faces to desired finished grades (i.e. 3:1 slope). Where extraction occurs in 3 or more lifts a swale/bench, designed in accordance with the "Typical Side Slope Swale Detail" page 3 of 4, will be incorporated into the final rehabilitated 3:1 slope. Topsoil and organic material will be placed on these backfilled side slope areas.

- 1.3.3 \$ 1.4.3 The overall objectives are to minimize the effects of forest removals, and to return the site after extraction to land use proportions which maintain and enhance the function of the natural habitat which is currently existing. These objectives will be met by:
- Preservation Reforestation
- Regeneration; and
- Maintaining Existing Land Uses (agriculture).
- Final pit landform will be generally in accordance with the drawing as shown on this page. The objective is to create a similar proportion of natural land use as exists now. Current proportions are approximately 39% pasture/agriculture, 38% forested, 21% cultural vegetation communities (thicket, meadow and hedgerow) and 2% wetland. At the same time the wildlife habitat conditions would ultimately be improved due to a changed woodland configuration and improved connectivity.



Job No. | Y321D CBM CODRINGTON Chkd. By A.S. File No. K:\Y321D_CBM_Hilton\A\rehaplan_3of4.dwg

Codrington Pit



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

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

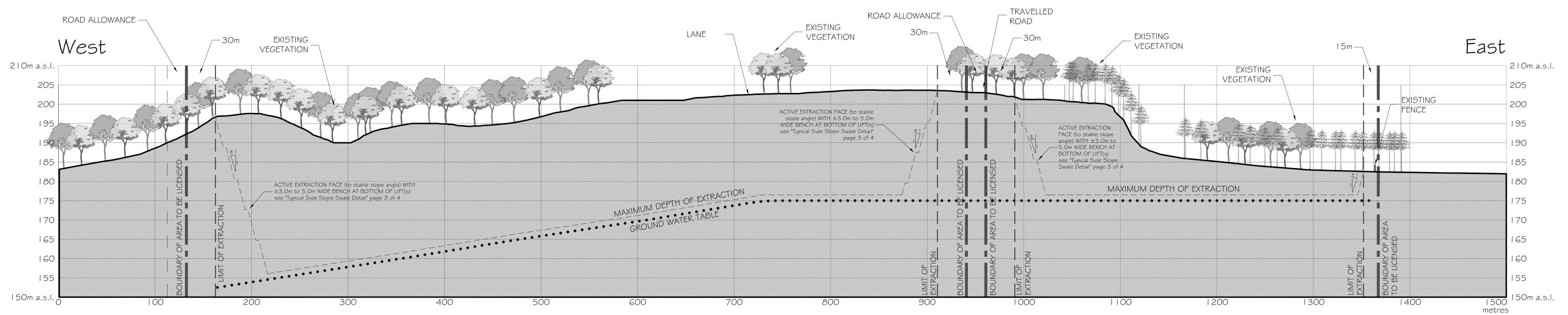
PROJECT NAME:

area in the fall at a density simulating natural conditions subject to ii) replace topsoil \$ subsoil to a similar depth as existing conditions | 1.4.6 Final surface drainage will follow the rehabilitated contours as shown and generally be directed inwards towards the post-extraction pit floors where it will percolate vertically through the pit floor. Seasonal ponding/wet areas may occur on the pit floor at its lowest elevation in the northwest corner of the Western

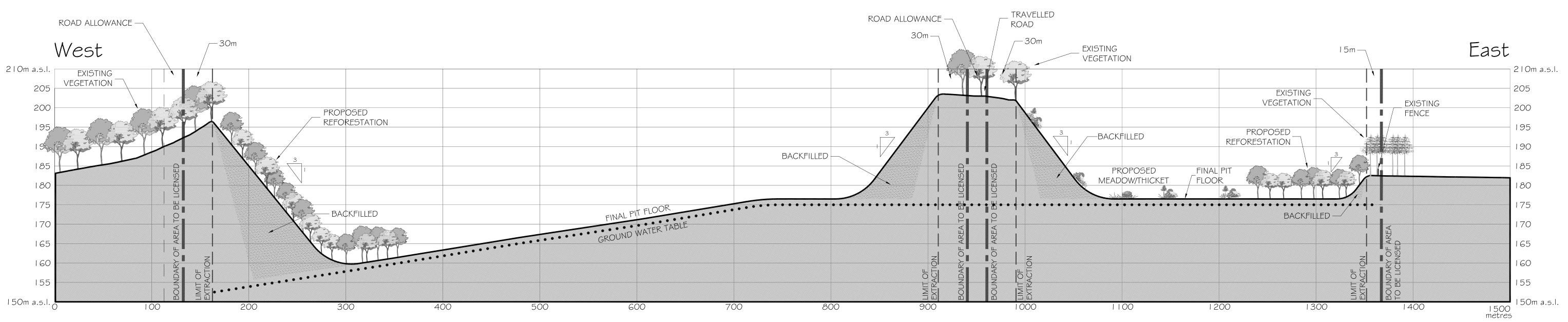
(min. depth of 300mm for both soil horizons combined),

ıv) manage \$ fertılıze as required untıl self sustaining

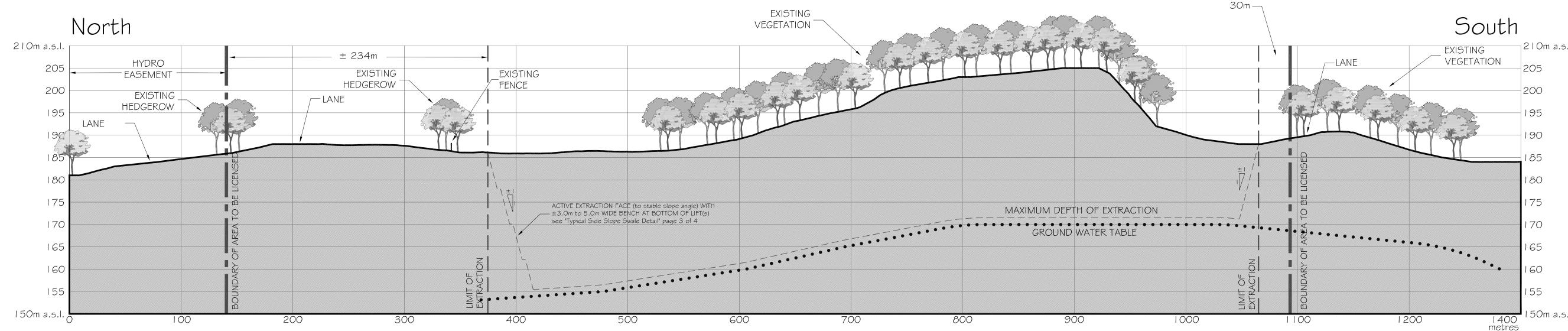
III) seed to a grass/legume cover crop,



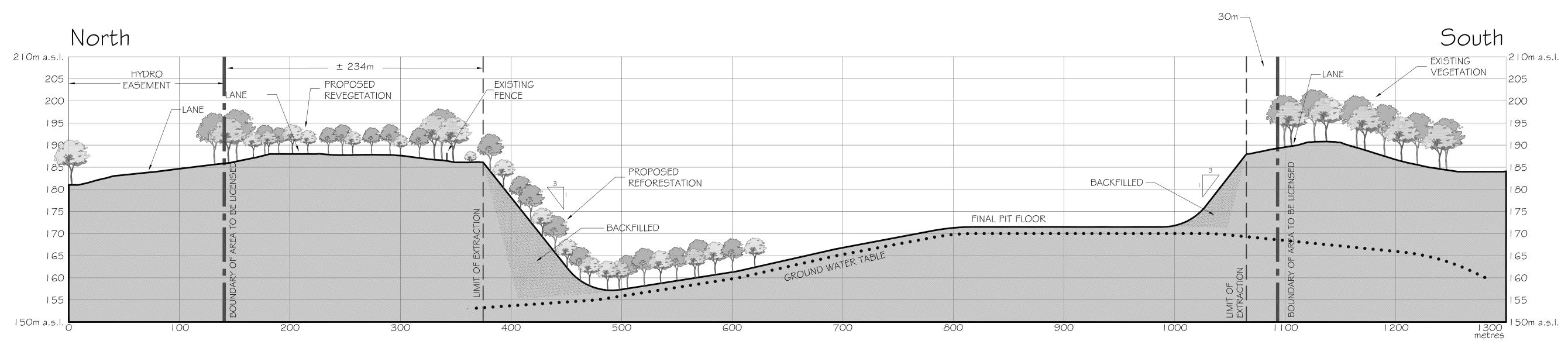
Section A-A1 Existing Conditions



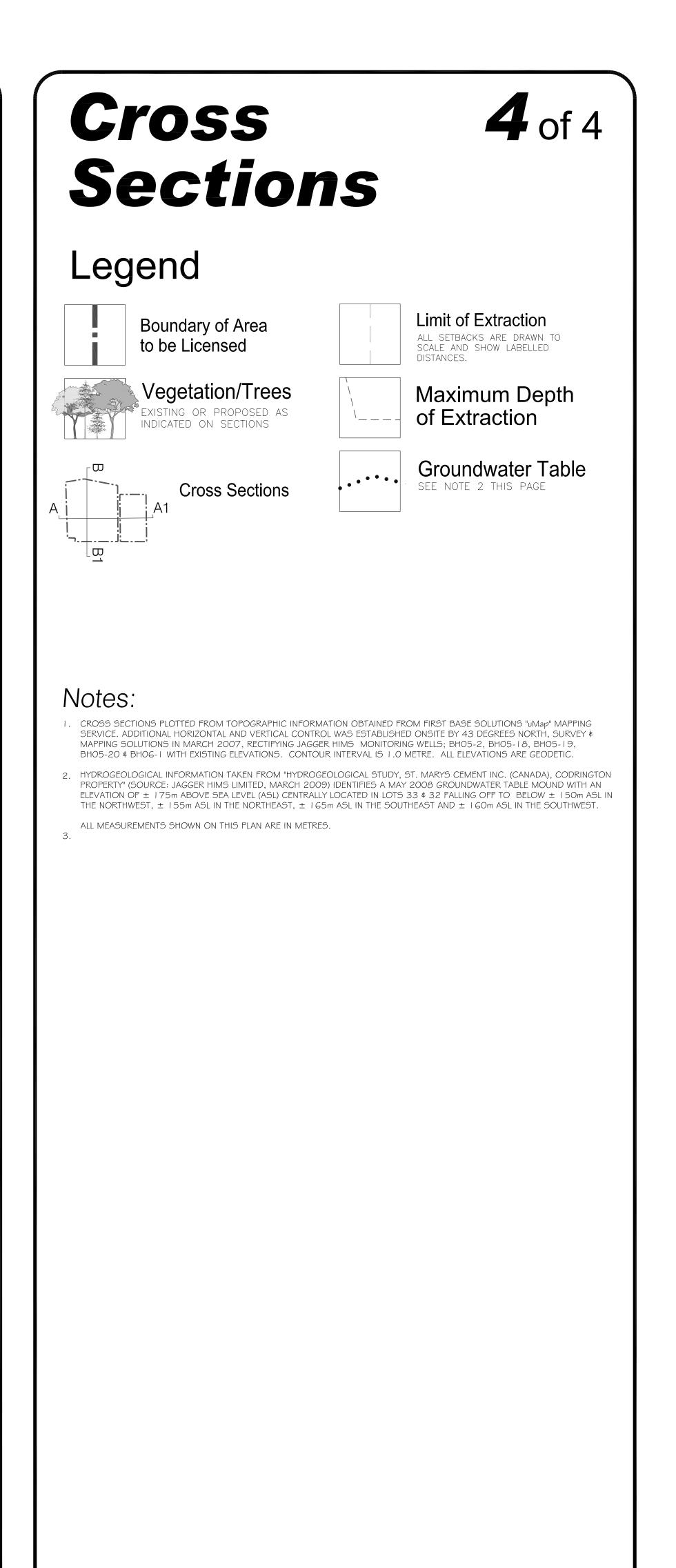
Section A-A1 Rehabilitated Conditions

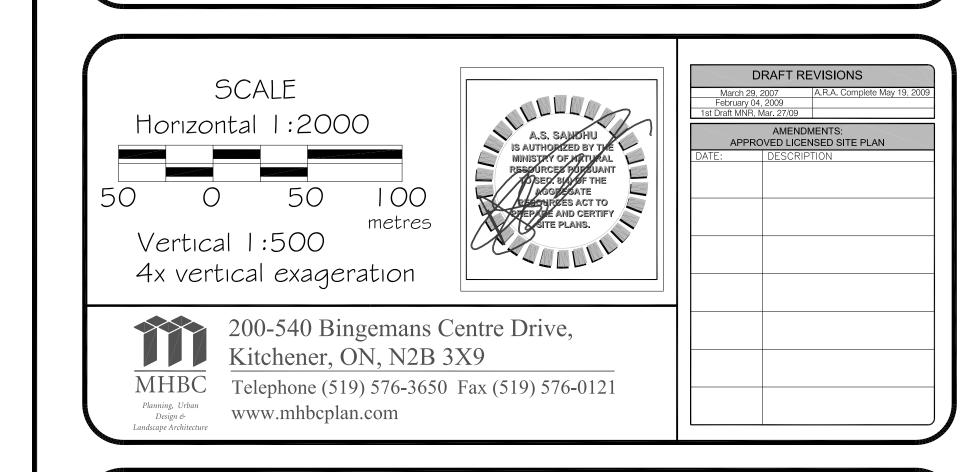


Section B-B1 Existing Conditions



Section B-B1 Rehabilitated Conditions









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

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