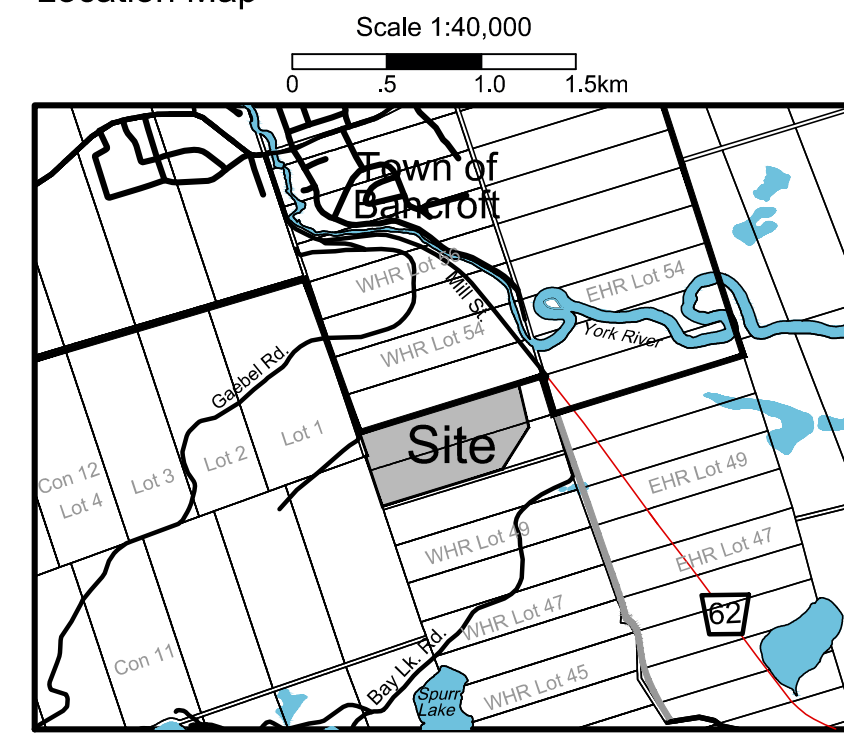


Existing Features

Location Map



BUILDING LIST	
BUILDING #	USE
1-10	Freymond Lumber Operation
11	Sugar Shack (to be removed)
12	Residence (Owned by Applicant)
13	Residence

NOTES:

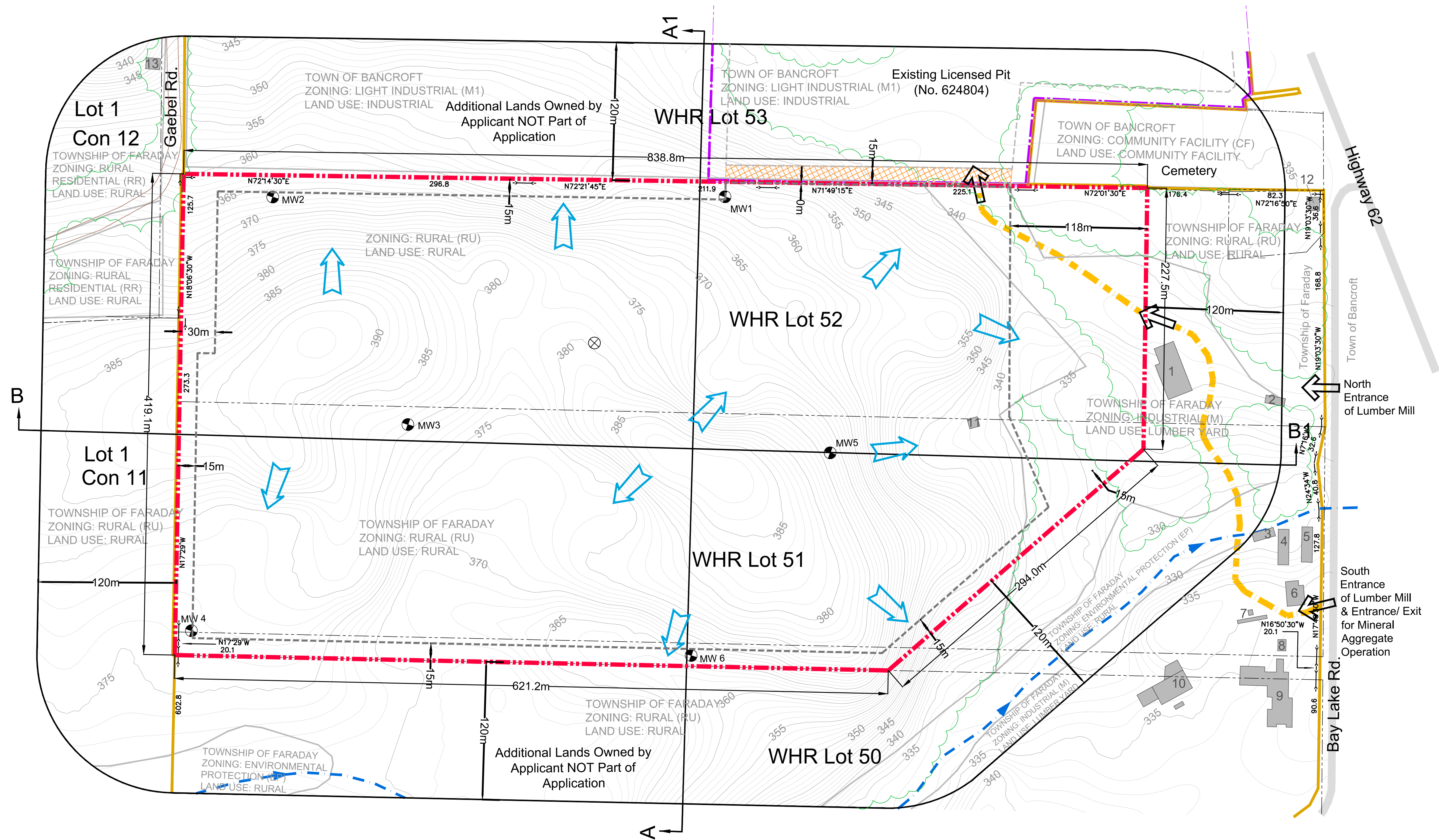
1. THESE SITE PLANS ARE PREPARED FOR SUBMISSION TO THE MINISTRY OF NATURAL RESOURCES AND FORESTRY IN CONJUNCTION WITH AN APPLICATION FOR A CLASS 'A' LICENCE (CATEGORY 2) UNDER THE AGGREGATE RESOURCES ACT AND ITS REGULATIONS.
2. TOPOGRAPHIC INFORMATION PROVIDED BY MNRF - INFORMATION LICENCED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO. CONTOUR INTERVAL IS 1.0 METRE, INTERPOLATED FROM 5 METRE CONTOURS.
3. PROPERTY BOUNDARY DESCRIPTION WAS COMPILED FROM SURVEY PREPARED BY GREG BISHOP SURVEYING AND CONSULTING LTD - JANUARY 24, 2014.
4. SUBJECT LANDS ARE PRESENTLY ZONED RURAL (RU) AND INDUSTRIAL (M). ZONING INFORMATION OBTAINED FROM SCHEDULE 'A' - MAP 2 OF THE TOWNSHIP OF FARADAY ZONING BY-LAW NO. 21-2012 AND THE TOWN OF BANCROFT ZONING BY-LAW NO. 27-2006 - MAP 1.
5. LAND USE INFORMATION COMPILED FROM AERIAL PHOTOGRAPHY. THE EXISTING VEGETATION IS BASED ON TOPOGRAPHIC INFORMATION LICENCED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
6. AREA TO BE LICENCED: 33.3HA (82.3AC)
7. AREA TO BE EXTRACTED: 27.5 HA (68.0AC)
8. ELEVATION OF ESTABLISHED GROUND WATER TABLE IS 352 TO 376 M.A.S.L., HYDROGEOLOGIC ASSESSMENT, MTE CONSULTANTS INC., DECEMBER 1, 2016.
9. ALL MEASUREMENTS SHOWN ON THIS PLAN ARE IN METRES.
10. REFER TO SHEET 2 OF 3 FOR OPERATIONAL PLAN, 3 OF 3 FOR FINAL PROGRESSIVE REHABILITATION AND FOR CROSS-SECTIONS.

Legal Description

PART OF LOTS 51 & 52,
CONCESSION W.H.R.
TOWNSHIP OF FARADAY
COUNTY OF HASTINGS

Legend

- Proposed Licensed Boundary
- Proposed Limit of Extraction
- Existing Licence Boundary
- Existing Limit of Extraction
- Boundary of Lands Owned by Applicant
- Municipal Zoning Boundary
- 120m from Licence Boundary
- Cross-Section
- Lot Line
- Contour Line
- Monitoring Well
- Borehole Location
- Existing Tree Cover
- Existing Entrance/Exit
- Surface Drainage Direction
- Existing Water Course
- Existing Haul Route for Licence #624804
- Existing Building
- Paved Road
- Area Subject to Separate ARA Site Plan Amendment to Reduce Setback from 15m to 0m

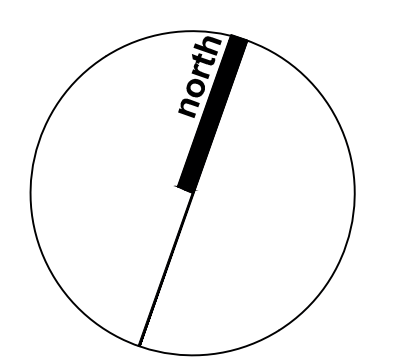
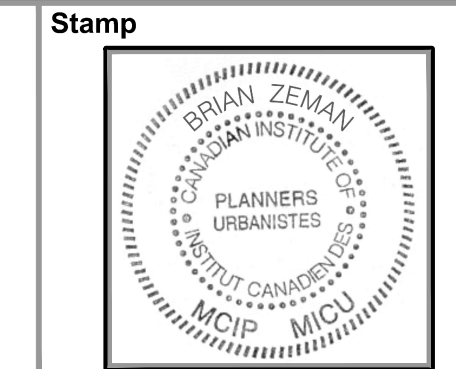


Site Plan Amendments

No.	Date	Description	By

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
 113 COLLIER STEET BARRIE, ON, L4M 1H2 | P: 705 728 0045 F: 705 728 2010 | WWW.MHBCPLAN.COM

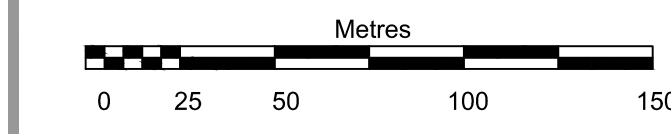
MNRF Approval Stamp



Project
FREYMOND AGGREGATES
 FREYMOND LUMBER LTD.
 RR#1, 2287 Bay Lake Road
 Bancroft, Ontario K0L 1C0

MNRF Licence Reference No. _____ Pre-approval review: First Submission to MNRF, December 19, 2016

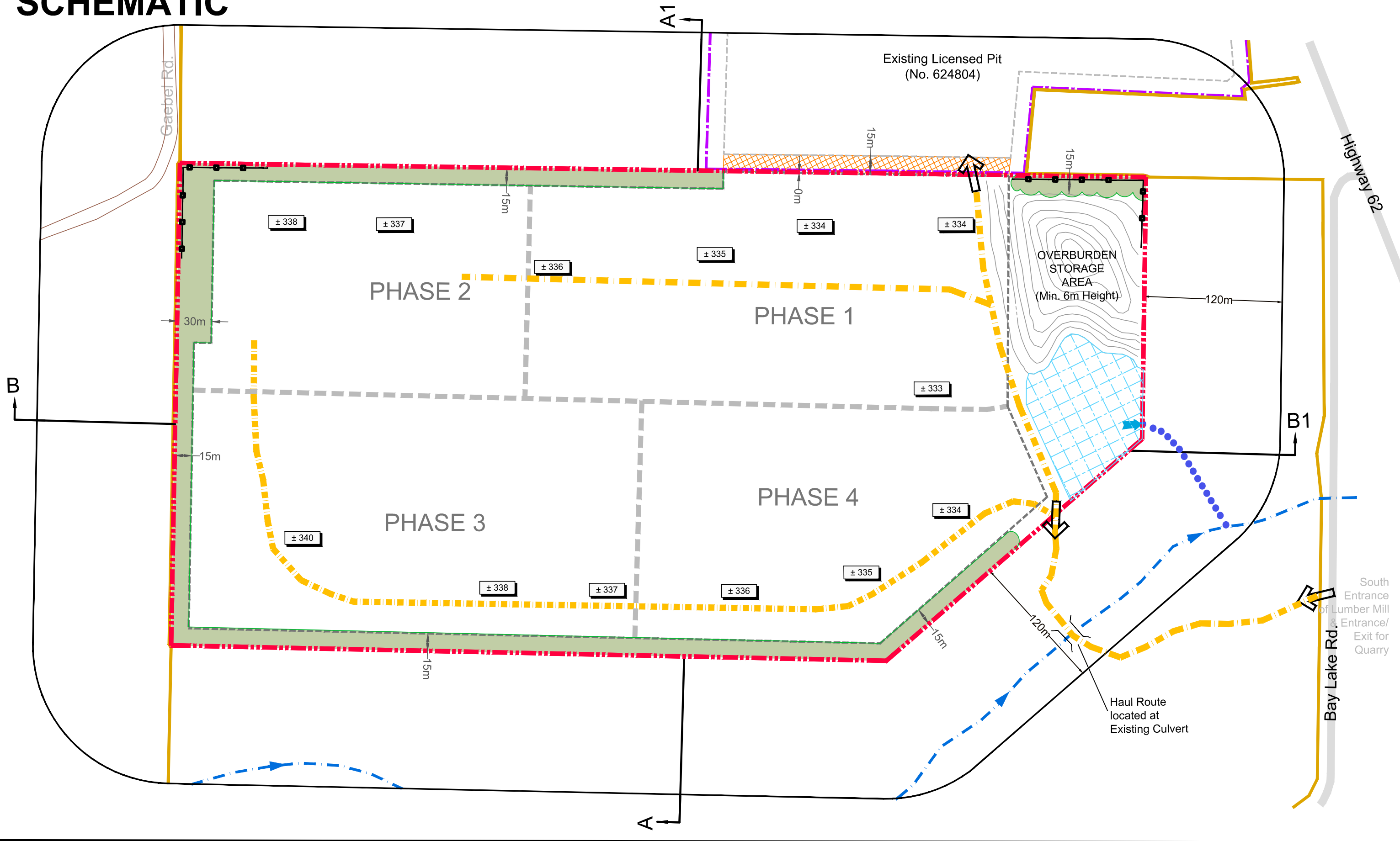
Plan Scale 1:2000



Drawn By: L.H. File No. 1515B
 Checked By: B.Z. Date: December, 2016

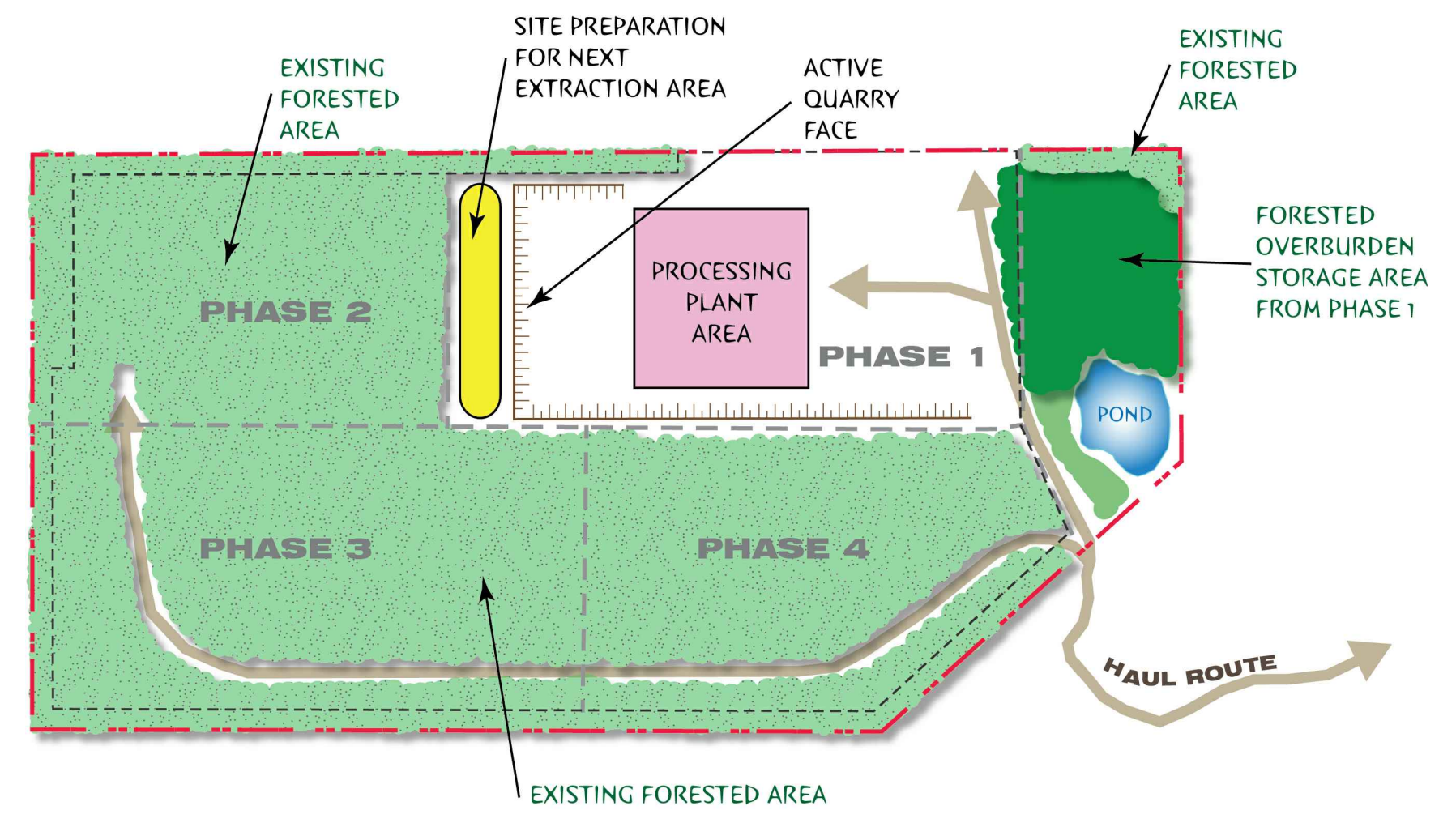
EXISTING FEATURES

Operation Plan Schematic

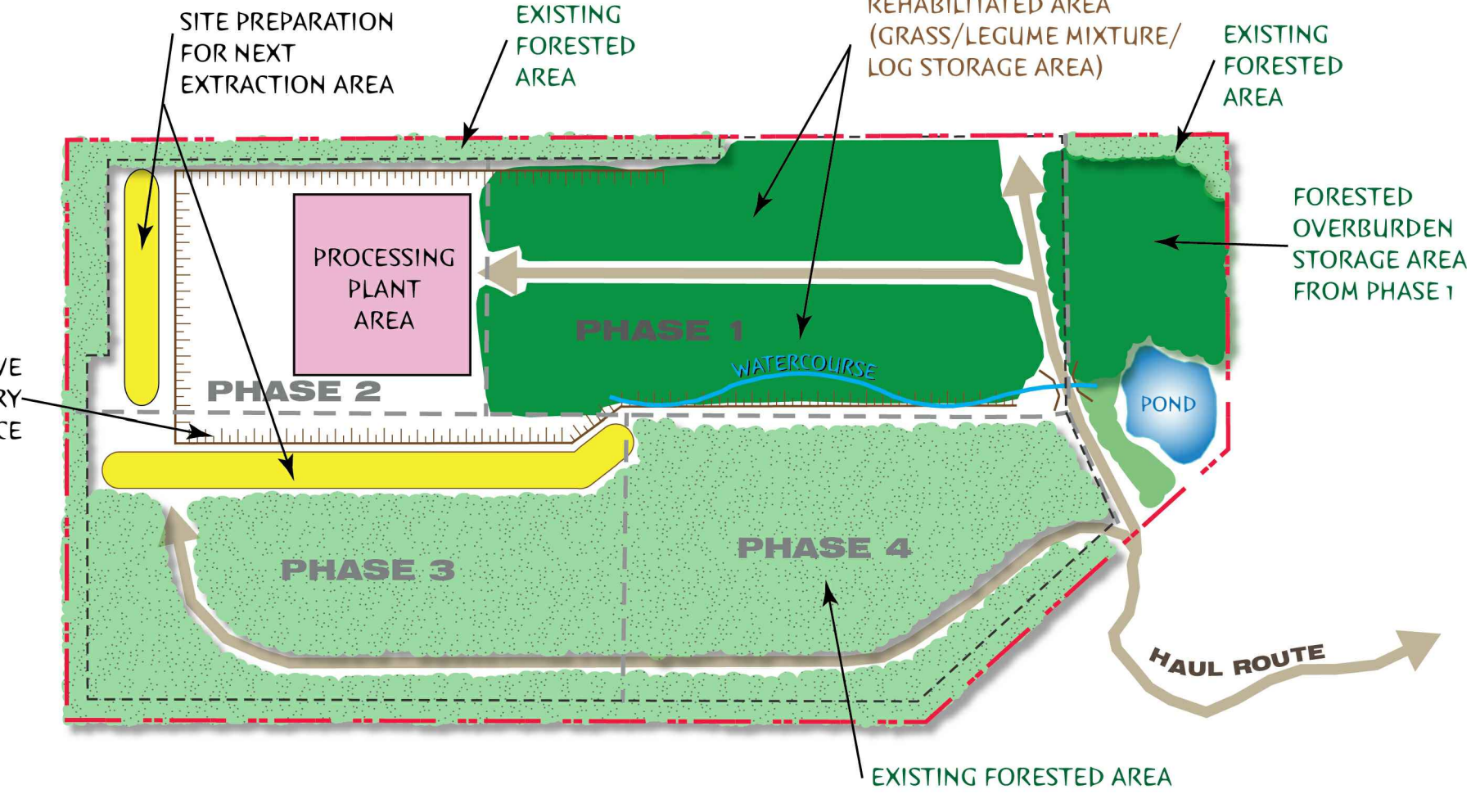


- HOURS OF OPERATION**
- SITE PREPARATION, REHABILITATION, EXTRACTION, DRILLING AND PROCESSING IS PERMITTED FROM 7:00AM TO 5:30PM (MONDAY TO FRIDAY).
 - SHIPPING IS PERMITTED FROM 6:00AM TO 7:00PM (MONDAY TO FRIDAY) AND ON SATURDAYS FROM 7:00AM TO 12:00PM.
 - BLASTING IS PERMITTED FROM 8:00AM TO 5:30PM (MONDAY TO FRIDAY) PROVIDED IT IS DAYLIGHT.
 - THERE WILL BE NO OPERATIONS ON SUNDAYS AND STATUTORY HOLIDAYS AS DEFINED IN ACCORDANCE WITH THE EMPLOYMENT STANDARDS ACT.
- MAXIMUM ANNUAL TONNAGE LIMIT**
- THE MAXIMUM AMOUNT OF MATERIAL THAT MAY BE SHIPPED FROM THIS LICENCE IN ANY CALENDAR YEAR SHALL BE 300,000 TONNES.
- SEQUENCE OF EXTRACTION / EXTRACTION SETBACKS**
- THE AREA TO BE EXTRACTED IS 27.5HA (68.0AC).
 - EXTRACTION SETBACKS ARE SHOWN AND LABELLED ON THE OPERATION SCHEMATIC (SEE SITE PLAN OVERRIDES 1.2.25 (SEC. 5.10) THIS PAGE).
 - EXTRACTION OF THE SITE IS PROPOSED IN FOUR PHASES AND WILL OCCUR SEQUENTIALLY TO MINIMIZE THE DISTURBED AREAS. SEE CONCEPTUAL PHASING SCHEMATICS.
 - EXTRACTION WILL COMMENCE IN THE NORTH-EASTERN PORTION OF THE SITE (PHASE 1) AND WILL PROCEED WEST TO THE NORTH-WESTERN PORTION OF THE SITE (PHASE 2).
 - EXTRACTION WILL THEN PROCEED SOUTH TO THE SOUTH-WESTERN PORTION OF THE SITE (PHASE 3) PRIOR TO PROCEEDING EAST TO THE SOUTH-EASTERN PORTION OF THE SITE (PHASE 4).
 - EXISTING VEGETATION WITHIN THE SETBACKS WILL BE MAINTAINED EXCEPT WHERE REQUIRED FOR OVERBURDEN STORAGE IN THE NORTH-EAST CORNER OF THE SITE. CONSTRUCTION OF THE STORMWATER MANAGEMENT POND, AND THE INTERNAL HAUL ROAD. SEE OPERATIONS SCHEMATIC FOR THE LOCATION OF THESE ACTIVITIES.
- BENCH HEIGHTS / MAXIMUM DEPTH OF EXTRACTION**
- EXTRACTION WILL TAKE PLACE IN ONE OR TWO BENCHES. THE MAXIMUM BENCH HEIGHT WILL NOT EXCEED MINISTRY OF LABOUR REQUIREMENTS.
 - WHERE A SECOND BENCH IS REQUIRED APPROXIMATELY A 5 M LEDGE WILL REMAIN. SEE QUARRY FACE DETAIL PAGE 3 OF 3.
 - THE MAXIMUM DEPTH OF EXTRACTION IS +333 M.A.S.L. AS INDICATED BY PROPOSED SPOT ELEVATIONS AS SHOWN ON THE OPERATION SCHEMATIC.
- INTERNAL HAUL ROUTES AND ENTRANCE / EXIT**
- THE MAIN INTERNAL HAUL ROUTES ARE APPROXIMATELY SHOWN ON THE OPERATION SCHEMATIC AND MAY BE DEVELOPED DURING SITE PREPARATION. THE NORTHERN INTERNAL HAUL ROUTE IS TO TRANSFER AGGREGATE FROM THE PROCESSING AREA TO THE ENTRANCE / EXIT AND WILL BE LOCATED ON THE QUARRY FLOOR. THE SOUTHERN INTERNAL HAUL ROUTE IS FOR THE PURPOSE OF SITE PREPARATION AND WILL OCCUR AT GRADE.
 - THERE WILL BE ADDITIONAL INTERNAL HAUL ROUTES ON THE QUARRY FLOOR WITHIN EACH PHASE TO ACCESS THE ACTIVE EXTRACTION AREAS AND THE PROCESSING PLANT.
 - ENTRANCE/EXITS ARE SHOWN ON THE OPERATION SCHEMATIC. AGGREGATE WILL BE TRANSFERRED FROM THE LICENSED AREA TO THE FREYMOND LUMBER YARD FOR SHIPPING.
 - AGGREGATE RESOURCES FROM THE CLASS B LICENSE LOCATED TO THE NORTH MAY ALSO BE TRANSFERRED THROUGH THE LICENSED AREA TO THE FREYMOND LUMBER YARD FOR SHIPPING.
- BUILDING / STRUCTURES**
- OTHER THAN THE PROCESSING PLANT NO BUILDINGS ARE TO BE ERRECTED ON-SITE.
- PROCESSING PLANT / OTHER ON-SITE EQUIPMENT**
- A PROCESSING PLANT IS PERMITTED WITHIN PHASES 1 AND 2 (INCLUDES PRIMARY, SECONDARY AND TERTIARY CRUSHING AND SCREENING UNITS WITH AN ASSOCIATED DIESEL GENERATOR). WITHIN PHASE 1, PROCESSING IS PERMITTED WITHIN THE EXTRACTION LIMIT. WITHIN PHASE 2, PROCESSING IS PERMITTED WITHIN THE EXTRACTION LIMIT EXCEPT WITHIN 90 M OF THE WESTERN LICENSE BOUNDARY. THERE WILL BE NO PROCESSING IN PHASES 3 AND 4.
 - THE PROCESSING PLANT SHALL IMPLEMENT THE MITIGATION MEASURES OUTLINED IN SECTION 7.0.3 OF THE NOISE STUDY (SOURCE: HUGH WILLIAMSON ASSOCIATES INC., DECEMBER 15, 2016) TO ENSURE MOECC NOISE LIMITS ARE MET FOR SURROUNDING RESIDENTS.
 - THE OVERBURDEN STORAGE AREA IN THE NORTH-EAST CORNER OF THE SITE SHALL BE BUILT DURING SITE PREPARATION OF PHASE 1 TO A MINIMUM HEIGHT OF 6 METRES AND BE MAINTAINED FOR THE DURATION OF OPERATIONS TO SERVE AS A NOISE BARRIER FOR THE SENSITIVE RECEPTORS TO THE EAST. WHEN EXTRACTING PHASE 4, THE BENCH HEIGHT TO THE EAST IS TO BE MAINTAINED AT A MINIMUM HEIGHT OF 6 METRES TO SERVE AS A NOISE BARRIER TO THE SENSITIVE RECEPTORS TO THE EAST. IF REQUIRED, OVERBURDEN OR A NOISE BARRIER MAY BE UTILIZED TO ACHIEVE REQUIRED HEIGHTS. EXAMPLES OF SUITABLE NOISE BARRIERS ARE OUTLINED IN SECTION 7.0.6 D) OF THE NOISE STUDY (SOURCE: HUGH WILLIAMSON ASSOCIATES INC., DECEMBER 15, 2016).
 - OTHER EQUIPMENT ON-SITE MAY INCLUDE ROCK DRILLS, LOADERS, QUARRY TRUCKS, HAULAGE TRUCKS, AND EQUIPMENT FOR SITE PREPARATION AND REHABILITATION INCLUDING BUT NOT LIMITED TO EXCAVATORS, HYDRAULIC SHOVELS AND DOZERS.
 - EQUIPMENT USED FOR SITE PREPARATION AND REHABILITATION SHALL COMPLY WITH MOECC PUBLICATION NPC-115.
 - THE ROCK DRILLS SHALL IMPLEMENT THE MITIGATION MEASURES OUTLINED IN SECTION 7.0.1 AND 7.0.2 OF THE NOISE STUDY (SOURCE: HUGH WILLIAMSON ASSOCIATES INC., DECEMBER 15, 2016) TO ENSURE MOECC LIMITS ARE MET FOR SURROUNDING RESIDENTS.
 - TECHNICAL ADVANCEMENTS IN EXTRACTION METHODS, PROCESSING EQUIPMENT, DRILLS, QUARRY TRUCKS, LOADERS AND OTHER EQUIPMENT MAY ALLOW FOR ALTERNATIVE MITIGATION APPROACHES TO BE IMPLEMENTED SUBJECT TO THE LICENSEE CONFIRMING THAT MOECC NOISE LIMITS ARE MET FOR SURROUNDING RESIDENTS.
 - IF AN OPERATIONAL CHANGE IS CONSIDERED THAT HAS A POTENTIAL TO INCREASE NOISE LEVELS, THEN THIS CHANGE SHALL BE ASSESSED BY A QUALIFIED ACOUSTICAL CONSULTANT AND NOISE MITIGATION MEASURES SHALL BE REVIEWED, AND ALTERED IF NECESSARY, TO ENSURE THAT MOECC SOUND LEVEL LIMITS ARE MET FOR SURROUNDING RESIDENTS.
- BLASTING**
- THE LICENSEE SHALL MONITOR ALL BLASTS FOR GROUND VIBRATIONS AND OVERPRESSURE AT THE CLOSEST PRIVATELY OWNED RESIDENTS TO ENSURE COMPLIANCE WITH CURRENT PROVINCIAL VIBRATION AND OVERPRESSURE STANDARDS. A MINIMUM OF ONE MONITOR SHALL BE INSTALLED IN FRONT OF THE BLAST AND ONE INSTALLED BEHIND THE BLAST.
 - AN ATTENTION STUDY SHALL BE UNDERTAKEN BY AN INDEPENDENT BLASTING CONSULTANT DURING THE FIRST 12 MONTHS OF OPERATION TO ASSIST IN DEVELOPING FUTURE BLAST DESIGNS.
 - THE EXTRACTION FACE SHALL BE ORIENTATED SO THE DIRECTION OF THE OVERPRESSURE PROPAGATION IS AWAY FROM STRUCTURES AS MUCH AS POSSIBLE.
 - BLAST DESIGNS SHALL BE CONTINUALLY REVIEWED AND MODIFIED AS REQUIRED TO ENSURE COMPLIANCE WITH CURRENT PROVINCIAL STANDARDS.
- AGGREGATE STOCKPILES / RECYCLED AGGREGATE**
- AGGREGATE STOCKPILES AND RECYCLABLE ASPHALT MAY OCCUR WITHIN THE EXTRACTION AREA LOCATED ON THE QUARRY FLOOR (SEE SITE PLAN OVERRIDES 1.2.25 (SEC. 5.13) THIS PAGE).
 - RECYCLABLE ASPHALT MATERIALS WILL NOT BE STOCKPILED WITHIN 30 M OF ANY WATER BODY OR MAN-MADE POND OR WITHIN 2 M OF THE GROUNDWATER WATER TABLE ON THE QUARRY FLOOR.
 - ONCE THE AGGREGATE ON SITE HAS BEEN DEPLETED THERE WILL BE NO FURTHER IMPORTATION OF RECYCLABLE MATERIALS PERMITTED AND RECYCLING OPERATIONS WILL CEASE PRIOR TO FINAL REHABILITATION.
 - THE REMAINING TOPSOIL AND SUBSOIL MAY BE STORED ANYWHERE WITHIN THE LIMIT OF EXTRACTION AND WILL BE USED IN REHABILITATION.
 - NO IMPORTATION OF FILL IS PERMITTED ON-SITE.
- TIMBER RESOURCES**
- TIMBER RESOURCES WILL BE SALVAGED FOR USE IN THE FREYMOND LUMBER OPERATION. STUMPS AND BRUSH CLEARED DURING SITE PREPARATION MAY BE BURNED (SUBJECT TO NECESSARY LOCAL APPROVAL), MULCHED OR USED IN THE PROGRESSIVE REHABILITATION OF THIS SITE.
- FENCING**
- THE SITE WILL BE FENCED WITH A 1.2 METRE PAIGE WIRE FENCE IN THE NORTH-EASTERN CORNER ADJACENT TO THE CEMETERY AND IN THE NORTH-WESTERN CORNER ADJACENT TO GAEBEL ROAD.
 - THE REMAINDER OF THE LICENSED BOUNDARY WILL BE DELINEATED BY MARKER POSTS.
 - FENCING AND MARKER POSTS WILL BE INSTALLED PRIOR TO THE COMMENCEMENT OF OPERATIONS (SEE SITE PLAN OVERRIDES 1.2.25 (SEC. 5.1 AND 5.2) THIS PAGE).
- SCRAP AREA**
- TEMPORARY SCRAP STORAGE MAY BE LOCATED IN THE PROCESSING AREA AND SHALL BE REMOVED ON AN ON-GOING BASIS.
- FUEL STORAGE**
- THERE WILL BE NO FUEL STORAGE LOCATED ON-SITE. EQUIPMENT WILL BE FUELLED BY FUEL TRUCKS OR AT THE ADJACENT FREYMOND LUMBER YARD.
- ON-SITE WATER RESOURCES**
- THE EXISTING WATER TABLE ELEVATION ON THIS PROPERTY RANGES FROM +352 M.A.S.L. TO +376 M.A.S.L.
 - THE LICENSEE SHALL DESIGN A STORMWATER MANAGEMENT POND AND OBTAIN AN MOECC ENVIRONMENTAL COMPLIANCE APPROVAL FOR PERIODIC DISCHARGE OF WATER. MONITORING OF THE STORMWATER MANAGEMENT FACILITY SHALL BE COMPLETED IN ACCORDANCE WITH MOECC APPROVALS.
 - WITHIN THE ACTIVE EXTRACTION AREAS AND REHABILITATED PORTIONS OF THE QUARRY SURFACE AND GROUNDWATER WILL BE DIVERTED TO THE STORMWATER MANAGEMENT POND. THERE WILL BE NO ACTIVE PUMPING OF WATER OFF-SITE.
 - THE LICENSEE SHALL COMPLETE THE PRIVATE WELL MONITORING PROGRAM AS OUTLINED IN SECTION 7.5 OF THE WATER RESOURCES REPORT (SOURCE: MTE CONSULTANTS INC., DECEMBER 1, 2016). THE RESULTS OF THE MONITORING PROGRAM SHALL BE PRESENTED IN AN ANNUAL WATER MONITORING REPORT SUBMITTED TO MNRF AND MOECC BY MARCH 31ST OF EACH CALENDAR YEAR.
 - ALTHOUGH NO WELL IMPACTS ARE PREDICTED, IN THE EVENT OF A WELL COMPLAINT FROM SURROUNDING RESIDENTS THE LICENSEE SHALL IMPLEMENT THE WELL INTERFERENCE COMPLAINT RESPONSE PROCEDURE AS OUTLINED IN SECTION 7.1 OF THE WATER RESOURCES REPORT (SOURCE: MTE CONSULTANTS INC., DECEMBER 1, 2016) TO ENSURE THAT ANY WELL IMPACTED BY THE QUARRY IS REPLACED OR RESTORED AT THE EXPENSE OF THE LICENSEE.
- OFF-SITE PRIVATE WATER WELLS**
- THE LICENSEE SHALL COMPLETE THE PRIVATE WELL MONITORING PROGRAM AS OUTLINED IN SECTION 7.5 OF THE WATER RESOURCES REPORT (SOURCE: MTE CONSULTANTS INC., DECEMBER 1, 2016). THE RESULTS OF THE MONITORING PROGRAM SHALL BE PRESENTED IN AN ANNUAL WATER MONITORING REPORT SUBMITTED TO MNRF AND MOECC BY MARCH 31ST OF EACH CALENDAR YEAR.
- SPILLS CONTINGENCY PLAN**
- A SPILLS CONTINGENCY PROGRAM WILL BE DEVELOPED PRIOR TO SITE PREPARATION AND AVAILABLE ON-SITE.
- TREE REMOVAL**
- VEGETATION CLEARING SHALL BE CONDUCTED IN STAGES AND THE AREA CLEARED SHOULD BE MINIMIZED TO ONLY CLEAR THE AREA REQUIRED FOR FUTURE EXTRACTION NEEDS.
 - NO REMOVAL OF VEGETATION OR CLEARING OF LAND SHALL OCCUR FROM APRIL 1 TO JULY 31.
- ARCHAEOLOGY**
- IN THE EVENT THAT DEEPLY BURIED ARCHAEOLOGICAL MATERIAL IS FOUND WHILE WORKING ON SITE, ALTERATION OF THAT AREA SHALL BE TEMPORARILY SUSPENDED AND THE MINISTRY OF TOURISM, CULTURE AND SPORT SHALL BE NOTIFIED IMMEDIATELY.
 - IN THE EVENT THAT HUMAN REMAINS ARE ENCOUNTERED WHILE WORKING ON SITE, ALTERATION OF THAT AREA SHALL BE TEMPORARILY SUSPENDED AND THE POLICE AND THE REGISTRAR OF CEMETERIES AT THE MINISTRY OF CONSUMER SERVICES MUST BE NOTIFIED IMMEDIATELY.

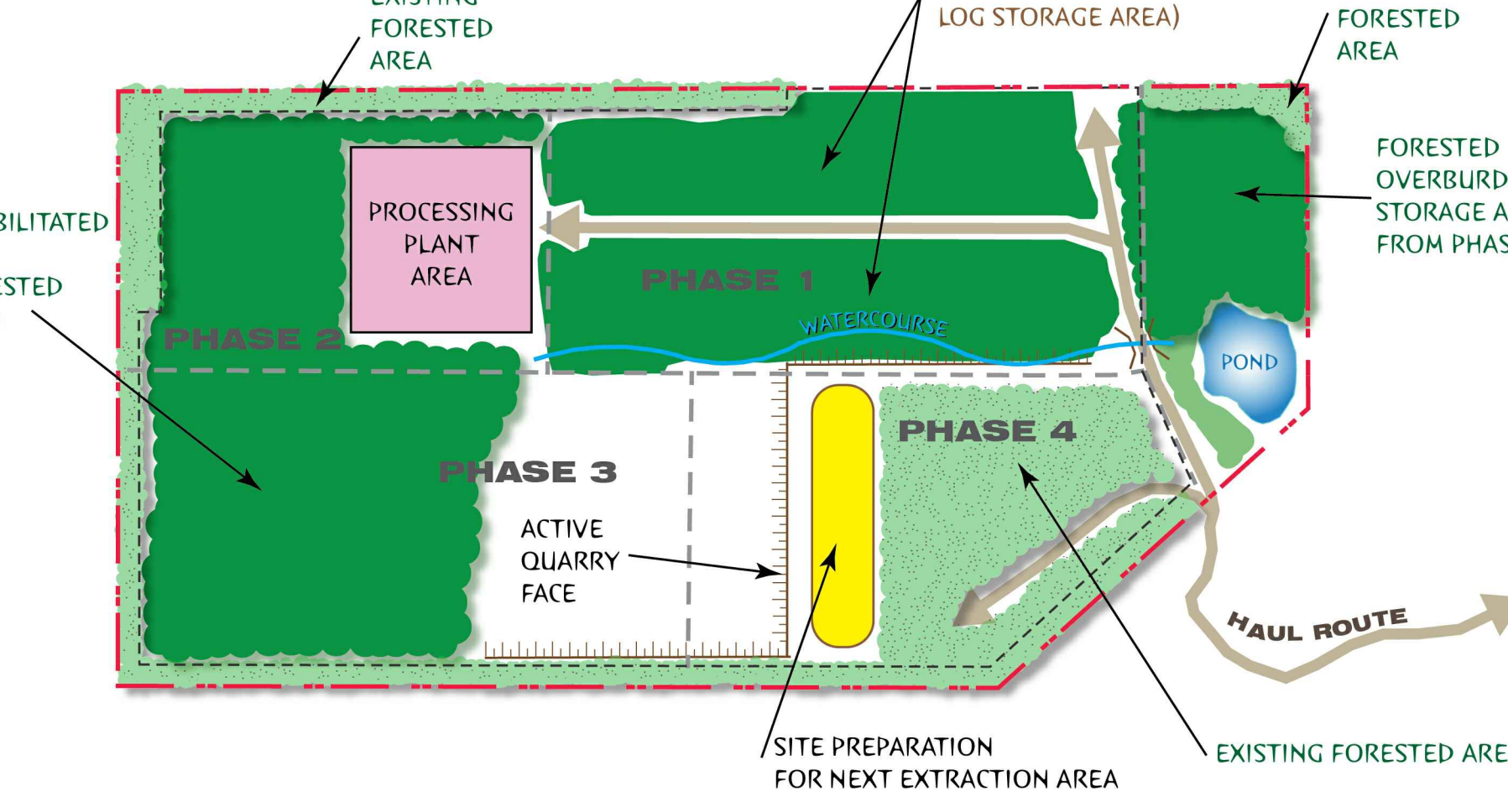
CONCEPTUAL PHASING PLAN PHASE 1*



PHASE 2*



PHASE 3*



* THE CONCEPTUAL PHASING PLAN IS AN APPROXIMATE REPRESENTATION OF THE PROPOSED SEQUENCE OF OPERATIONS AND IS NOT TO SCALE.

THE ESTIMATED RESERVE LOCATED WITHIN THE EXTRACTION LIMIT IS APPROXIMATELY 15,000,000 TONNES.

THE FOLLOWING TIMELINES REPRESENT THE DURATION OF EACH PHASE ASSUMING THE MAXIMUM LIMIT OF 300,000 TONNES IS EXTRACTED EACH YEAR:

- PHASE 1: 13 YEARS OF EXTRACTION
- PHASE 2: STARTS YEAR 14 OR LATER
- PHASE 3: STARTS YEAR 27 OR LATER
- PHASE 4: STARTS YEAR 44 OR LATER

VARIATIONS FROM OPERATIONAL STANDARDS

OPERATIONAL STANDARD	VARIATION
5.1	THE SITE WILL BE FENCED ONLY IN THE NORTH-EASTERN CORNER ADJACENT TO THE CEMETERY AND IN THE NORTH-WESTERN CORNER ADJACENT TO GAEBEL ROAD. SEE OPERATION SCHEMATIC FOR LOCATION. THE REMAINDER OF THE LICENSED BOUNDARY WILL BE DELINEATED BY MARKER POSTS.
5.2	A GATE WILL NOT BE REQUIRED AT THE ENTRANCE/EXIT BETWEEN LICENCE NO. 62484 AND THIS SITE.
5.10	EXCAVATION SETBACK ADJACENT TO LICENCE NO. 62484 WILL BE REVISED TO 0M.
5.13	WITHIN PHASES 1 AND 2, AGGREGATE, TOPSOIL, OVERBURDEN AND RECYCLED AGGREGATE MAY BE LOCATED WITHIN THE LIMIT OF EXTRACTION.
5.13	WITHIN PHASES 1 AND 2, PROCESSING IS PERMITTED WITHIN THE LIMIT OF EXTRACTION EXCEPT ALONG THE WESTERN LICENSE BOUNDARY WHERE A 90M SETBACK SHALL BE MAINTAINED.
5.13	TO THE EAST OF PHASE 1, OVERBURDEN AND TOPSOIL MAY BE PLACED WITHIN THE LICENSE BOUNDARY, EXCEPT WITHIN 15 M OF THE CEMETERY.
5.19.2	WITHIN PHASES 3 AND 4, AGGREGATE, TOPSOIL AND OVERBURDEN MAY BE PERMITTED WITHIN THE LIMIT OF EXTRACTION.
5.19.2	PORTIONS OF THE QUARRY FACE MAY REMAIN VERTICAL. SEE REHABILITATION PLAN AND QUARRY FACE DETAIL ON PAGE 3 OF 3.

Legal Description
PART OF LOTS 51 & 52,
CONCESSION W.H.R.,
TOWNSHIP OF FARADAY
COUNTY OF HASTINGS

Legend

- Proposed Licensed Boundary
- Proposed Limit of Extraction
- Existing Licence Boundary
- Existing Limit of Extraction
- Boundary of Lands Owned by Applicant
- 120m from Licensed Boundary
- 1.2m Fencing
- Phase Boundary
- Cross-Section
- Entrance/Exit
- Existing Watercourse
- Surface Water Discharge Point
- Connection from Stormwater Management Pond to Existing Watercourse (Drainage Feature or Pipe)
- Paved Road
- Proposed Quarry Floor Elevation (m.a.m.s.l.)
- Approximate Location of Internal Haul Route
- Approximate Location of Stormwater Management Pond
- Existing Vegetation to remain
- Area Subject to Separate ARA Site Plan Amendment to Reduce Setback from 15m to 0m

Site Plan Amendments

No.	Date	Description	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

MNRF Approval Stamp

Stamp

North

Project
FREYMOND AGGREGATES
FREYMOND LUMBER LTD.
RR#1, 2287 Bay Lake Road
Bancroft, Ontario K0L 1C0

MNRF Licence Reference No. _____

Pre-approval review:
First Submission to MNRF, December 19, 2016

Plan Scale 1:3000

Metres
0 25 50 100 150

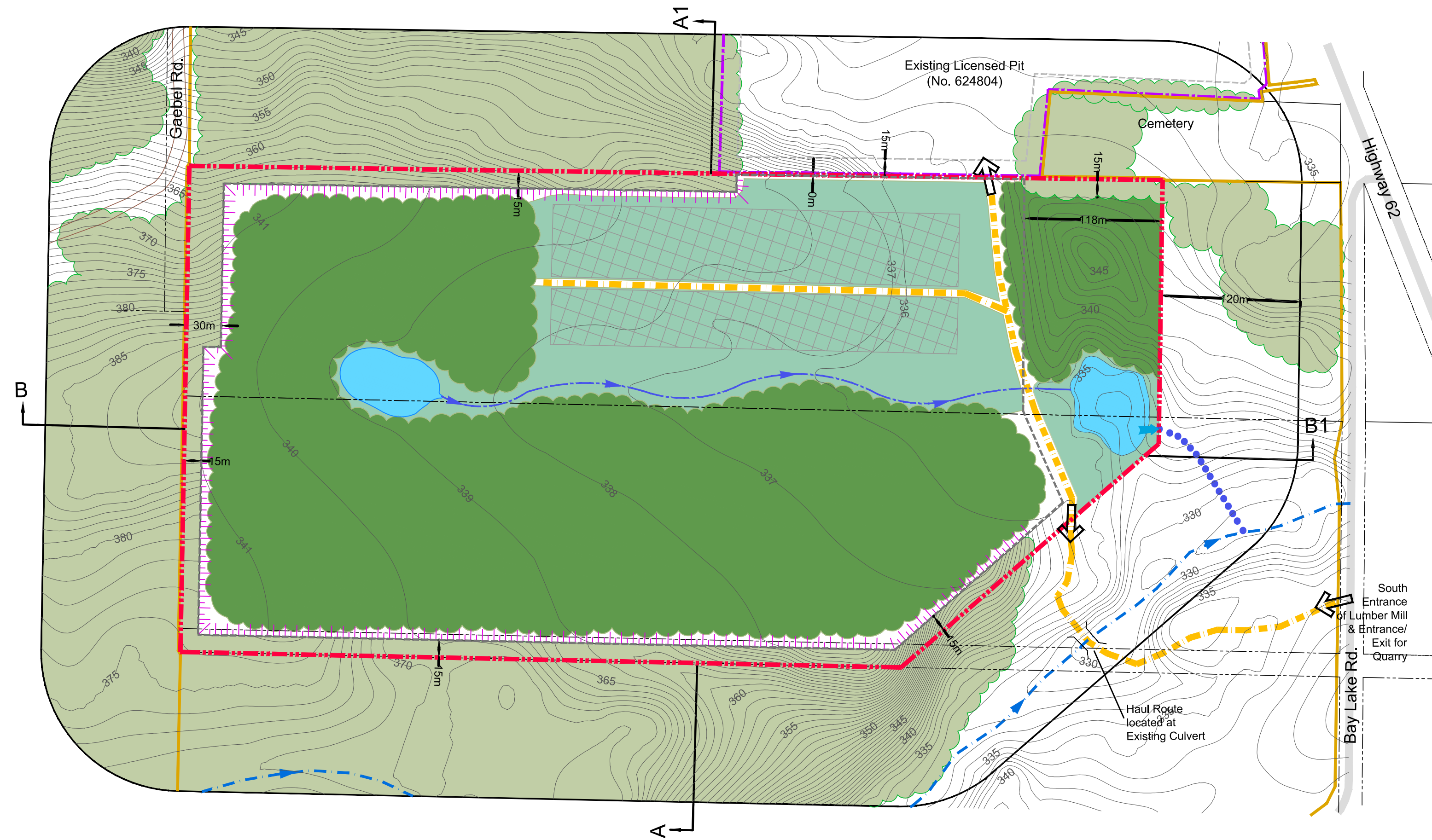
Drawn By L.H. File No. 1515B

Checked By B.Z. Date December, 2016

File Name

Drawing No. **OPERATION PLAN**
2 OF 3

Rehabilitation Plan



NOTES

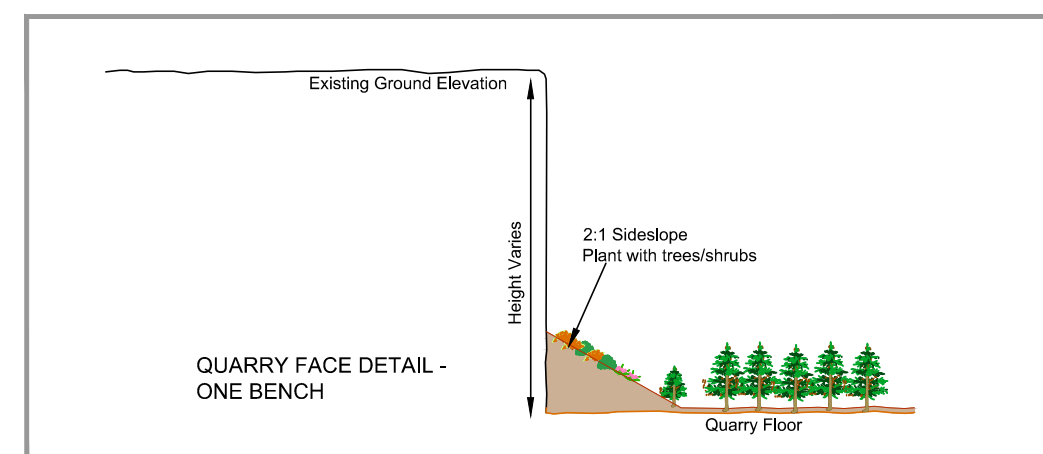
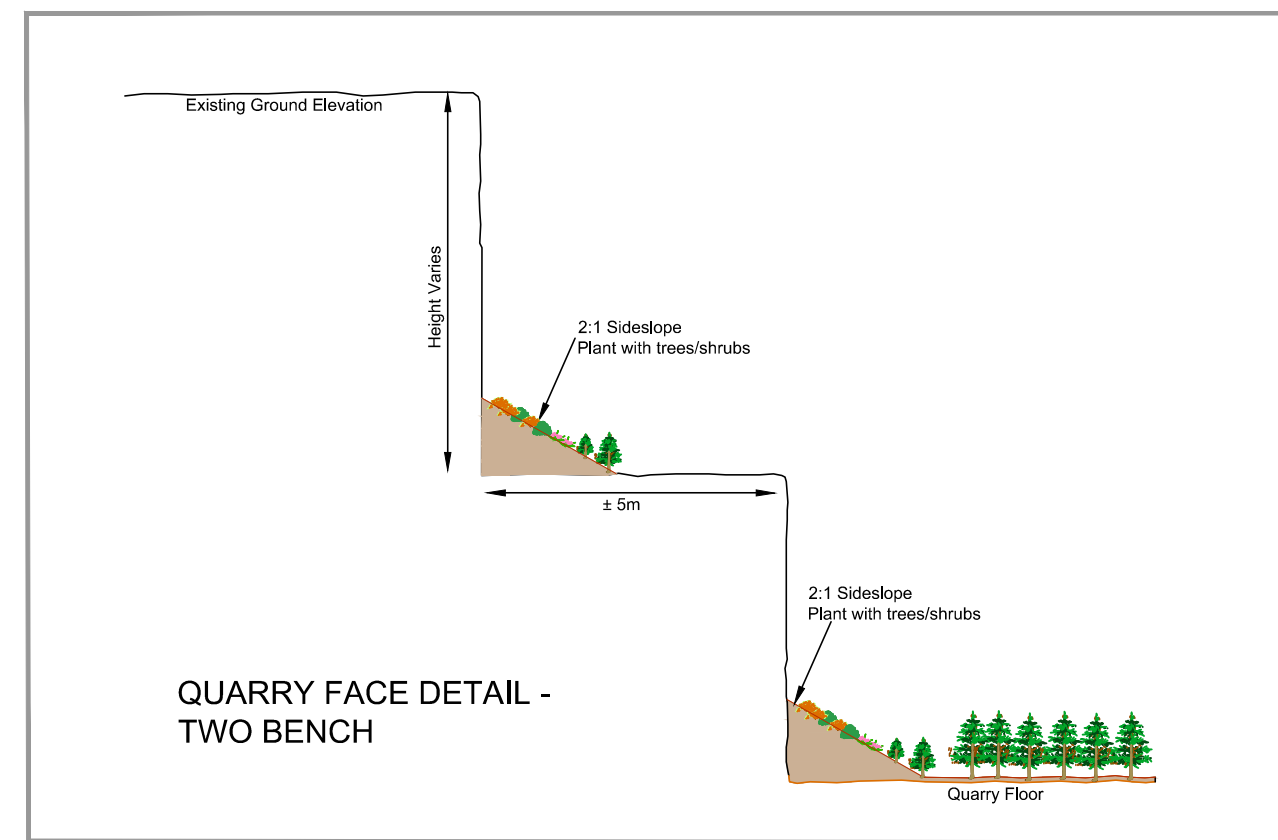
1. AREA TO BE REHABILITATED 27.5HA (68.0AC).
2. REHABILITATION WILL BE PROGRESSIVE GENERALLY IN ACCORDANCE WITH THE PHASING SCHEMATIC ON PAGE 2 OF 3.
3. AS SOON AS FEASIBLE DEPLETED AREAS SHALL BE RESTORED TO MAXIMIZE REHABILITATED AREAS AND MINIMIZE DISTURBED AREAS USING ON-SITE SOILS. NO IMPORTATION OF FILL IS PERMITTED.
4. AREAS REQUIRED FOR PROCESSING AND INTERNAL HAUL ROUTES WILL BE THE FINAL AREAS TO BE REHABILITATED.
5. THE QUARRY FLOOR WILL BE GRADED USING ON-SITE SOIL AND DESIGNED WITH A WATERCOURSE TO CONVEY WATER TO THE STORM WATER MANAGEMENT POND LOCATED ALONG THE EASTERN BOUNDARY OF THE SITE. WATER FROM THE SITE WILL BE PASSIVELY DISCHARGED.
6. ON THE QUARRY FLOOR A SHALLOW / AMPHIBIAN POND WILL BE DEVELOPED ADJACENT TO THE PROPOSED WATERCOURSE. SEE REHABILITATION SCHEMATIC.
7. THE QUARRY FLOOR IN PHASE 1 WILL BE VEGETATED WITH A GRASS / LEGUME MIXTURE AND WILL BE USED TO STORE LOGS FROM THE FREYMOND LUMBER BUSINESS.
8. THE QUARRY FLOOR IN PHASES 2, 3 AND 4 WILL BE PLANTED WITH RED PINE TO CREATE A FORESTED CONDITION.
9. ADJACENT TO THE AMPHIBIAN POND ON THE REHABILITATED QUARRY FLOOR AND ADJACENT TO THE STORM WATER MANAGEMENT POND SEVERAL BARN SWALLOW NESTING STRUCTURES AND BAT BOXES WILL BE INSTALLED.
10. EXCAVATION WILL OCCUR IN 1 TO 2 BENCHES AND WILL VARY IN HEIGHT. WHERE A SECOND BENCH IS REQUIRED APPROXIMATELY A 5 M LEDGE WILL REMAIN. THE MAJORITY OF THE BOTTOM OF EACH BENCH WILL BE BACKFILLED AT 2:1 SLOPES WITH ONSITE SOILS AND PLANTED WITH RED PINE AND SHRUBS. ON THE BACKFILLED AREAS LOGS, STUMPS AND ROCKS WILL ALSO BE PLACED TO INCREASE HABITAT DIVERSITY. THE REMAINDER OF THE QUARRY FACE WILL REMAIN A VERTICAL FACE. SEE QUARRY FACE DETAIL THIS PAGE.
11. ALL INTERNAL HAUL ROUTES WILL BE RESTORED EXCEPT FOR THE INTERNAL HAUL ROUTE TO ACCESS THE LICENSED PROPERTY (LICENSE NO. 624804) TO THE NORTH AND THE INTERNAL ROAD TO ACCESS THE LOG STORAGE AREA IN PHASE 1.

Legal Description

PART OF LOTS 51 & 52,
CONCESSION W.H.R.
TOWNSHIP OF FARADAY
COUNTY OF HASTINGS

Legend

- - - - - Proposed Licensed Boundary
- - - - - Proposed Limit of Extraction
- - - - - Existing Licence Boundary
- - - - - Existing Limit of Extraction
- - - - - Boundary of Lands Owned by Applicant
- - - - - 120m from Licensed Boundary
- A A Cross-Section
- ~ Contour Line
- ↔ Entrance/Exit
- - - - - Existing Water Course
- - - - - Proposed Watercourse
- ● ● ● ● Connection to Existing Watercourse (Water Feature or Pipe)
- ↘ Surface Water Discharge Point
- - - - - Approximate Location of Internal Haul Route
- - - - - Paved Road
- Pond (Approximate Location/Size)
- - - - - Quarry Face
- Existing Forested Area
- Proposed Forested Area (Red Pine)
- Grass/Legume Area
- Freymond Lumber - Storage Area for Logs



Site Plan Amendments

No.	Date	Description	By

**PLANNING
URBAN DESIGN
& LANDSCAPE
ARCHITECTURE**

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MNRF Approval Stamp

Stamp

Project

FREYMOND AGGREGATES

FREYMOND LUMBER LTD.
RR#1, 2287 Bay Lake Road
Bancroft, Ontario K0L 1C0

MNRF Licence Reference No.	Pre-approval review: First Submission to MNRF, December 19, 2016
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File Name

REHABILITATION PLAN

Drawing No. **3 OF 3**

