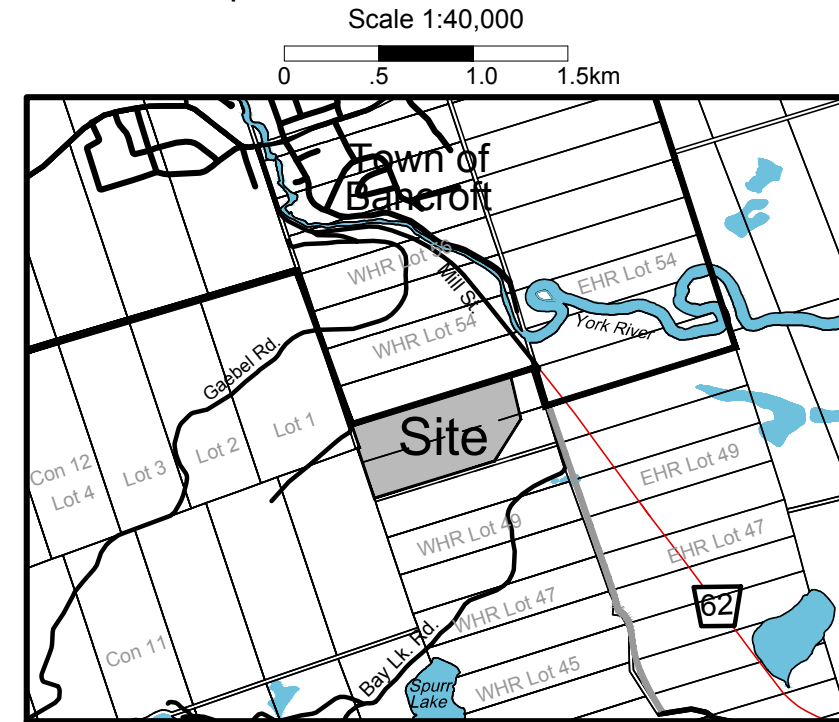


Existing Features

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: 27.7 HA (68.5AC)
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.

Location Map



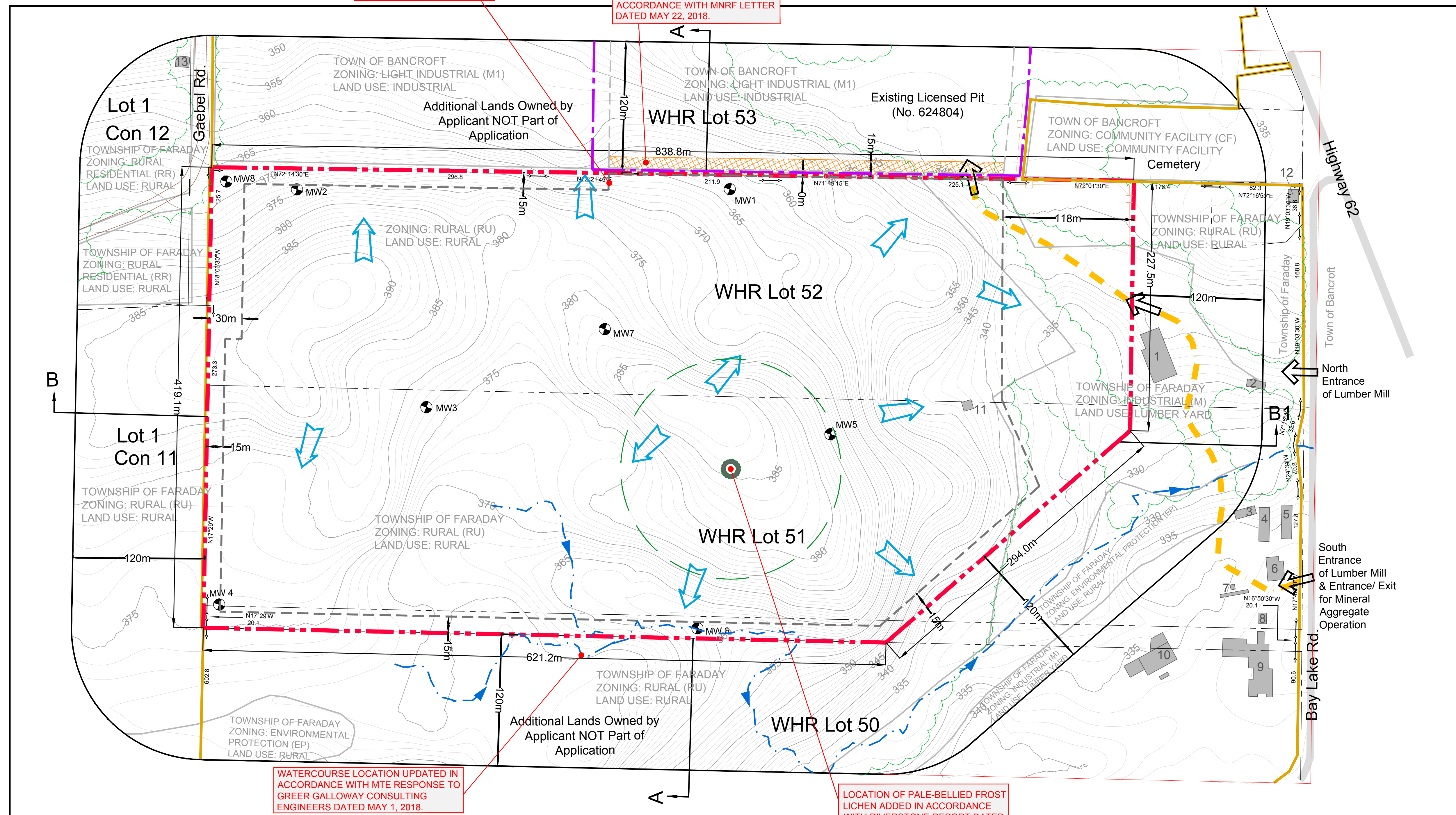
BUILDING LIST	
BUILDING #	USE
1-10	Freymond Lumber Operation
11	Sugar Shack (to be removed)
12	Residence (Owned by Applicant)
13	Residence

UPDATED LICENCE B PIT BOUNDARY IN ACCORDANCE WITH MHBC EMAIL TO MNRF DATED JUNE 25, 2018.

SETBACK TO BE REDUCED TO 0m IN ADJACENT LICENCE B PIT IN ACCORDANCE WITH MNRF LETTER DATED MAY 22, 2018.

WATERCOURSE LOCATION UPDATED IN ACCORDANCE WITH MTE RESPONSE TO GREER GALLOWAY CONSULTING ENGINEERS DATED MAY 1, 2018.

LOCATION OF PALE-BELLIED FROST LICHEN ADDED IN ACCORDANCE WITH RIVERSTONE REPORT DATED JULY, 2017 AND MNRF LETTER DATED MAY 22, 2018. ALSO ADDED TO LEGEND.



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
- 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
- Pale-Bellied Frost Lichen Regulated Habitat under the Endangered Species Act

Site Plan Amendments

No.	Date	Description	By

**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

Project

FREYMOND AGGREGATES

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

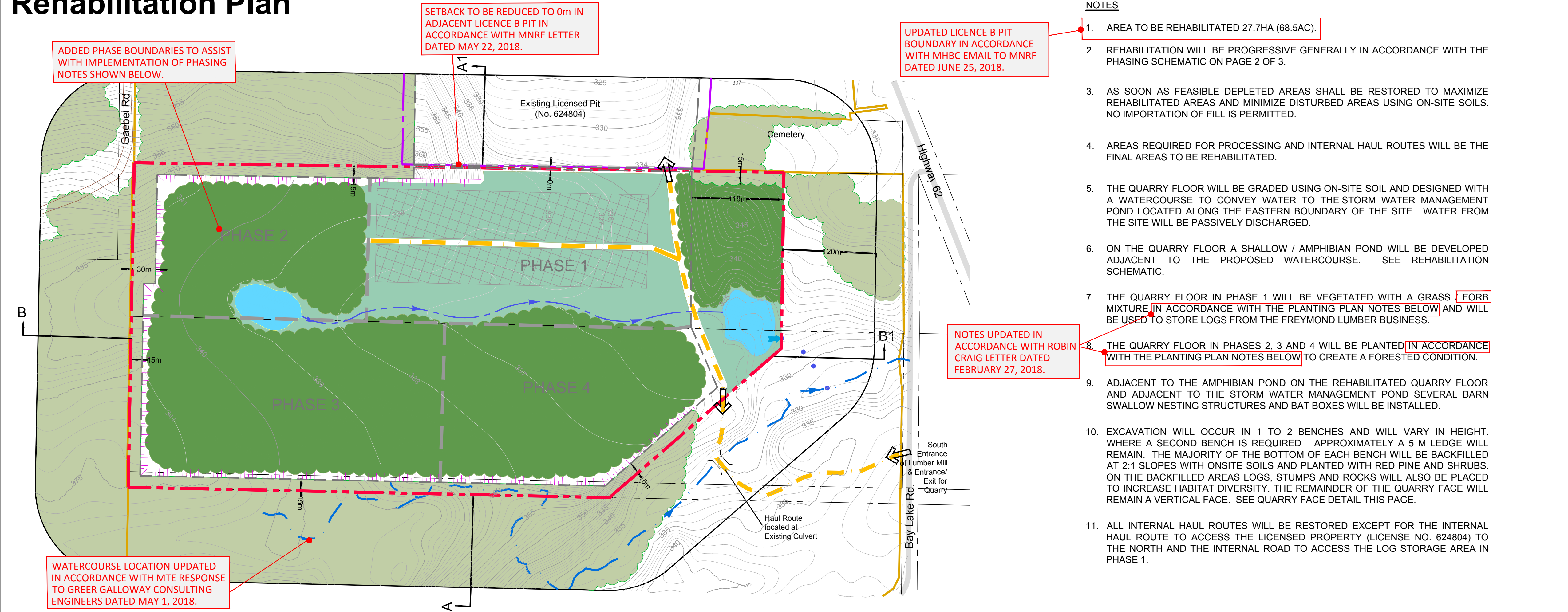
MNRF Licence Reference No.	Pre-approval review: First Submission to MNRF, December 19, 2016 Second Submission to MNRF, September 7, 2018
Plan Scale 1:2000	Drawn By L.H. File No. 1515B
	Checked By B.Z. Date SEPTEMBER 2018

File Name

EXISTING FEATURES

Drawing No. **1 OF 3**

Rehabilitation Plan

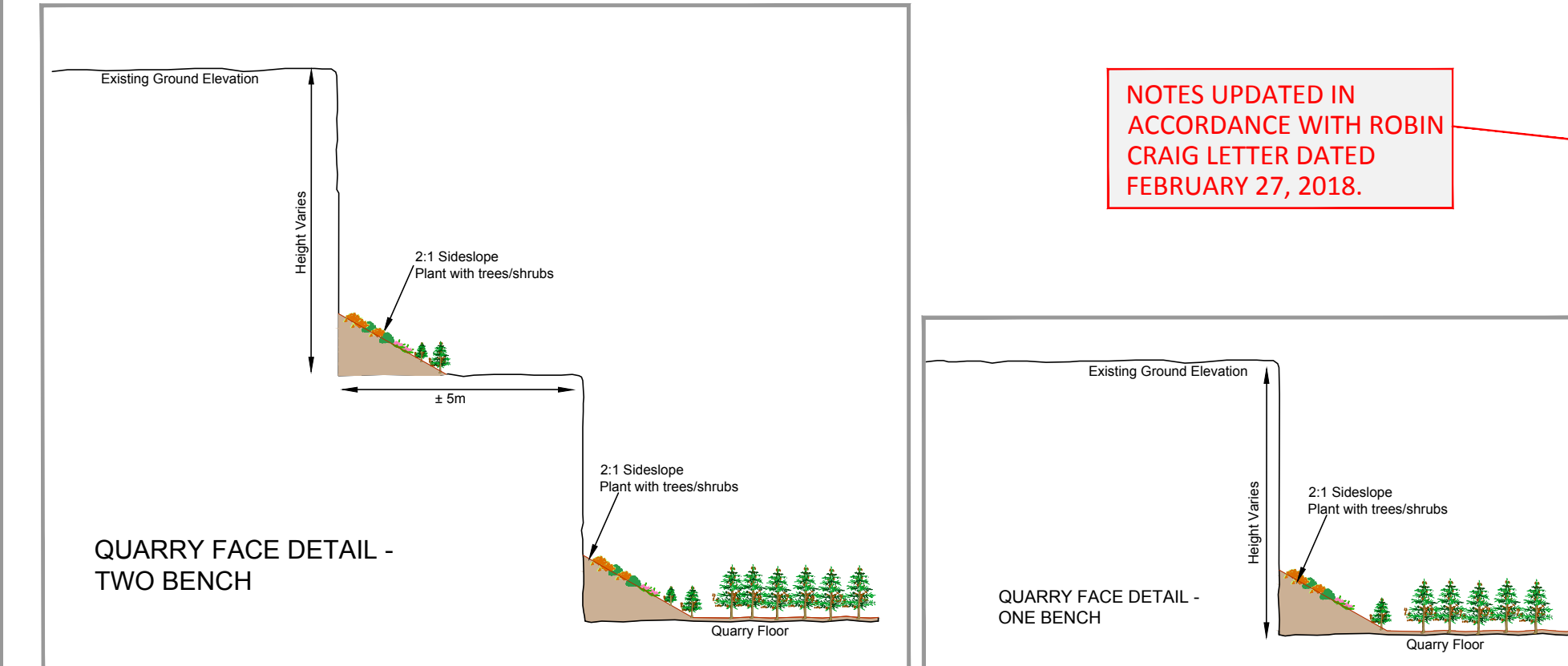


- NOTES**
1. AREA TO BE REHABILITATED 27.7HA (68.5AC).
 2. REHABILITATION WILL BE PROGRESSIVE GENERALLY IN ACCORDANCE WITH THE PHASING SCHEMATIC ON PAGE 2 OF 3.
 3. AS SOON AS FEASIBLE DEPLETED AREAS SHALL BE RESTORED TO MAXIMIZE REHABILITATED AREAS AND MINIMIZE DISTURBED AREAS USING ON-SITE SOILS. NO 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 / FORB MIXTURE IN ACCORDANCE WITH THE PLANTING PLAN NOTES BELOW 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 IN ACCORDANCE WITH THE PLANTING PLAN NOTES BELOW 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
- 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



- PHASE 1 PLANTING PLAN**
- A. THE QUARRY FLOOR OF PHASE 1 WILL BE VEGETATED WITH A GRASS/FORB MIXTURE WHICH WILL INCLUDE THE FOLLOWING NATIVE AND NON-INVASIVE, NON-NATIVE SPECIES, SUBJECT TO AVAILABILITY, SUBSTITUTIONS MAY BE REQUIRED;
- OAT (*AVENA FATUA*) FOR A COVER CROP ALONG WITH;
 - PERENNIAL RYE (*LOLIUM PERENNE*)
 - CANADA WILD RYE (*ELYMUS CANADENSIS*)
 - WHITE CLOVER (*TRIFOLIUM REPENS*)
 - COMMON MILKWEED (*ASCLEPIAS SYRIACA*)
 - NEW ENGLAND ASTER (*SYMPHOTRICHUM NOVAE-ANGLIAE*)
 - GOLDENROD (*SOLIDAGO SP.*)
- B. THE PLANTING OF PHASE 1 LANDS WILL BE IMPLEMENTED BY AN EXPERIENCED PROFESSIONAL AFTER DETERMINING THE SITE CONDITIONS AND THE APPROPRIATE SEEDING RATES.
- PHASE 2, 3 & 4 PLANTING PLAN**
- A. THE QUARRY FLOOR IN PHASES 2, 3 AND 4 WILL BE PLANTED WITH A COVER CROP OF OATS. THIS WILL BE FOLLOWED BY PLANTING TREE SEEDLINGS INCLUDING RED PINE, EASTERN WHITE PINE, RED OAK AND SUGAR MAPLE. WHITE SPRUCE SEEDLINGS WILL BE CONSIDERED FOR MOIST SOIL AREAS. ALL THESE SPECIES ARE CURRENTLY FOUND ON THE SITE.
- B. ALL TREE PLANTING WILL BE IMPLEMENTED BY AN EXPERIENCED PROFESSIONAL WHO WILL, AFTER ASSESSING THE SITE CONDITIONS AND DETERMINING APPROPRIATE SPECIES, DEVELOP PLANTING PLANS.
- C. PLANTINGS WILL BE IN NODES OF ABOUT 900 SQ M AND EACH WILL INCLUDE THE FOUR ABOVE MENTIONED TREE SPECIES. THE NODES WILL BE PLACED IN A LINEAR CROSSING PATTERN TO PROVIDE FORESTED CONNECTIVITY TO ADJACENT LANDS. SPACES BETWEEN THE NODES WILL ALLOW FOR RENATURALIZATION OF NATIVE SHRUBS AND TREE SPECIES FROM ADJACENT FOREST AREAS.
- D. TALUS SLOPES WILL BE CREATED AT THE BASE OF QUARRY FACES BY BACKFILLING 2:1 SIDE SLOPES WITH ON SITE MATERIALS. THESE SLOPES WILL BE PLANTED IN NODES WITH TREE SEEDLINGS OF THE ABOVE DESCRIBED SPECIES AND NATIVE SHRUBS SUCH AS RED ELDERBERRY (*SAMBUCUS RACEMOSA*).
- E. ALL TREE AND SHRUB PLANTINGS WILL RECEIVE REGULAR TENDING DURING THE FIRST GROWING SEASON AFTER PLANTING.
- F. TENDING WILL CONSIST OF THE INSTALLATION AND MAINTENANCE OF TREE GUARDS AROUND DECIDUOUS TREE SEEDLINGS TO PROTECT THE SEEDLINGS FROM RODENTS. TREES AND SHRUB SEEDLINGS WILL BE WATERED DURING DROUGHT OR LOW RAINFALL PERIODS.
- G. ALL TREE AND SHRUB PLANTINGS WILL BE MONITORED EACH YEAR FOR FIVE YEARS AFTER PLANTING TO ASSESS SURVIVAL. A STOCKING RATE OF 60 % AFTER FIVE YEARS WILL BE CONSIDERED SUCCESSFUL.
- H. DEAD TREES AND SHRUBS WILL BE REPLACED AS REQUIRED TO ENSURE THE AREA SUCCEEDS TO A FOREST COMMUNITY.
- I. LOGS, STUMPS AND ROCKS WILL BE PLACED AMONG THE NODES TO INCREASE HABITAT DIVERSITY AND ENCOURAGE WILDLIFE TO DISTRIBUTE PLANT REPRODUCTIVE MATERIAL FROM NEARBY AREAS.

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**

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
Second Submission to MNRF, September 7, 2018

Plan Scale 1:3000
0 25 50 100 150 Metres

Drawn By L.H. File No. 1515B
Checked By B.Z. Date SEPTEMBER 2018

File Name
REHABILITATION PLAN
Drawing No. **3 OF 3**

