

GENERAL NOTES

- 1 KEY MAP SHOWING THE LOCATION OF THE SITE**
SHOWN ON PAGE 1 OF 8
- 2 GENERAL DESCRIPTION OF THE LOCATION**
THE SITE IS LOCATED IN PARTS LOT 10 & 11, CONCESSION 9, FERRIS TOWNSHIP, MUNICIPALITY OF EAST FERRIS, DISTRICT OF NIPISSING
- 3 UTM COORDINATES**
SHOWN ON PAGE 1
- 4 SCALE REFERENCE USING BOTH RATIO AND GRAPHIC METHODS**
SHOWN ON PAGES 1-3.
- 5 APPLICANT'S NAME AND ADDRESS**
1851477 ONTARIO INC, 452 QUAE QUAE ROAD, CORBEIL, ON, P0H1K0
- 6 FOR WAYSIDE PERMIT APPLICATIONS**
N/A
- 7 NAME AND SIGNATURE OF PERSON THAT PREPARED SITE PLAN**
SHOWN ON PAGE 1
- 8 STATEMENT OF PURPOSE**
THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS "A" LICENCE, FOR A QUARRY ABOVE THE GROUND WATER TABLE
- 9 NORTH ARROW**
SHOWN ON PAGES 1-3
- 10 SCHEDULE FOR RECORDING SITE PLAN AMENDMENTS, INCLUDING APPROVAL DATES**
SHOWN ON PAGES 1-3
- 11 LEGEND ON EACH PAGE**
SHOWN ON PAGES 1-3
- 12 PROPOSED BOUNDARY OF THE SITE**
SHOWN ON PAGES 1-3
- 13 THE AREA OF THE SITE**
26.13 Ha
- 14 LOT AND CONCESSION LINES**
SHOWN ON PAGES 1-3
- 15 LIST OF REFERENCES**
CONTOUR AND TOPOGRAPHIC MAPPING WAS COMPLETED BY TIMBER CRAFT CONSULTATIONS INC. USING OBM MAPPING OBTAINED FROM NDMNRF'S ONLINE SITE. THE ACCURACY OF THIS DIGITAL DATA IS SUBJECT TO THE ACCURACIES OF THE OBM MAPPING AND THE GPS DATA. THE LOCATION OF THE CORNER POSTS AND THE BOUNDARY LINES DO NOT REPRESENT A LEGAL SURVEY AND THEIR ACTUAL LOCATIONS ON THE GROUND MAY NEED TO BE CONFIRMED BY THE LICENSEE AS THEY ARE ONLY APPROXIMATIONS. TIMBERCRAFT IS NOT RESPONSIBLE FOR THESE LOCATIONS ON THE GROUND. MUNICIPALITY OF EAST FERRIS ONLINE ZONING MAPS. THE FOLLOWING REPORTS ALSO INCLUDE MANY REFERENCES
 1. FRICORP prepared A Natural Environment Report in December, 2021
 2. Woodland Heritage Northeast Ltd. Prepared a Stage 1 Archaeological Assessment on December 23, 2021.
 3. Knight Piesold Consulting prepared a Letter of Opinion dated December 6, 2011

EXISTING FEATURES

- 16 EXISTING ZONING OF LAND ON AND WITHIN 120 METRES OF THE SITE**
SEE PAGE 1
- 17 USE OF LAND ON AND WITHIN 120 METRES OF THE SITE, SUCH AS LAND USE AND DESIGNATIONS**
THERE IS AN EXISTING CLASS B LICENCE WITH AN EXISTING PIT AND QUARRY OVERLAPPING, AS WELL AS, EXTENDING TO THE SOUTH OF THE PROPOSED LICENCE. THE REMAINDER OF THE PROPOSED LICENCE AND THE 120 METRE INFORMATION ZONE IS WOODLAND WITH SOME CLEARED AREAS TO THE EAST OF THE LICENCE
- 18 MAXIMUM PREDICTED WATER TABLE**
OVERLAPPING THIS APPLICATION IS A "B" LICENCE THAT ALLOWS FOR A PIT BELOW WATER AND AN ABOVE WATER QUARRY. THE QUARRY FLOOR FOR THE 'B' LICENCE WAS APPROVED (BASED ON A LETTER OF OPINION) BY MNR AT THE TIME, FOR 205 MASL.
- 19 LOCATION OF ALL EXISTING ENTRANCE(S) AND EXIT(S) FROM THE SITE**
SINCE THIS PROPOSED LICENCE OVERLAPS AND IS SMALLER THAN THE EXISTING LICENCE, ALL ACCESS WILL BE THROUGH THE EXISTING LICENCE USING VARIOUS ACCESS POINTS. ONE ACCESS IS SHOWN AS IT WILL INITIALLY BE USED AS THE PRIMARY ENTRANCE
- 20 SIGNIFICANT NATURAL FEATURES ON OR WITHIN 120 METRES OF THE SITE**
THERE ARE NO SIGNIFICANT NATURAL FEATURES
- 21 SIGNIFICANT HUMAN-MADE FEATURES ON OR WITHIN 120 METRES OF THE SITE**
THE ONLY SIGNIFICANT FEATURES ARE THE EXISTING PIT/QUARRY AND THE ACCESS ROADS.
- 22 LOCATION AND USE OF ALL BUILDINGS AND OTHER STRUCTURES EXISTING ON AND WITHIN 120 METRES OF THE SITE**
THERE ARE NO BUILDINGS OR OTHER STRUCTURES
- 23 TOPOGRAPHY OF THE SITE, ILLUSTRATED BY A ONE OR TWO METRE CONTOUR INTERVAL**
1 METRE CONTOUR INTERVALS WERE USED.
- 24 EXISTING SURFACE WATER DRAINAGE AND DRAINAGE FACILITIES ON AND WITHIN 120 METRES OF THE SITE**

PAGE 1 SHOWS THE DIRECTION OF OVERLAND DRAINAGE. ANY WATER IN THE EXISTING PIT WILL NATURALLY DRAIN INTO THE FLOOR AND WATER FROM THE QUARRY WILL DRAIN OUT OF THE QUARRY AND PERCOLATE INTO THE SURFICIAL MATERIAL.

- 25 **LOCATION OF EXISTING TREE COVER ON SITE AND WITHIN 120 METRES OF THE SITE**
SHOWN ON PAGE 1
- 26 **LOCATION AND TYPE OF EXISTING FENCES ON THE SITE**
THERE ARE NO FENCES ON THE SITE AS THERE WERE NONE REQUIRED FOR THE EXISTING LICENCE

EXISTING FEATURES FOR SITES THAT HAVE BEEN PREVIOUSLY EXCAVATED

- 27 **ANY EXISTING EXCAVATION FACES AND REHABILITATED AREAS**
SEE SITE PLAN FOR EXISTING FACES. NO REHABILITATED AREAS
- 28 **LOCATION OF EXISTING RECYCLABLE MATERIALS ON THE SITE**
NONE
- 29 **ANY EXISTING FUEL STORAGE AREA(S) ON THE SITE**
NONE
- 30 **LOCATION OF ANY EXISTING PROCESSING AREA(S) FOR STATIONARY AND/OR PORTABLE EQUIPMENT**
THROUGHOUT SITE FOR PORTABLE EQUIPMENT
- 31 **LOCATION OF ANY EXISTING BERMS AND THEIR HEIGHT**
NONE
- 32 **LOCATION OF ANY EXISTING PROCESSING AREA(S) NOTING WHETHER STATIONARY AND/OR PORTABLE EQUIPMENT**
THROUGHOUT SITE FOR PORTABLE EQUIPMENT

OPERATIONS FOR SITE

- 33 **LOCATION OF ALL PROPOSED ENTRANCE(S) TO AND EXIT(S) FROM THE SITE**
ALL ACCESS WILL BE VIA THE EXISTING LICENCE AND ACCESS WILL BE RESTRICTED VIA A GATE ON THE ACCESS ROAD TO THE EXISTING LICENCE OFF OF THE MUNICIPAL ROAD. ONE ACCESS IS SHOWN AS IT WILL BE USED AS THE PRIMARY ENTRANCE INITIALLY.
- 34 **AREA TO BE EXCAVATED**
24.1 Ha
- 35 **FOR APPLICATIONS FOR AN AGGREGATE PERMIT....**
N/A
- 36 **FOR APPLICATIONS FOR A CLASS A OR CLASS B LICENCE: THE LOCATION AND INSTALLATION SCHEDULE OR PHASING FOR ANY PROPOSED FENCING AROUND THE LICENSED BOUNDARY OF THE SITE.**
THERE IS NO FENCING PROPOSED FOR THE SITE AS THERE WAS NONE REQUIRED FOR THE EXISTING LICENCE AND THERE WERE NO ISSUES
- 37 **A STATEMENT INDICATING IF THE FOLLOWING WILL BE LOCATED ON THE SITE AT ANY POINT DURING THE OPERATION**
- a. **TEMPORARY BUILDING OR STRUCTURE THAT IS INCIDENTAL TO THE OPERATION OF THE SITE**
PRIVIES MAY BE BROUGHT ONTO THE SITE FOR WORKERS AS REQUIRED BY MINISTRY OF LABOUR REQUIREMENTS.
 - b. **SCRAP STORAGE AREAS**
THERE ARE NO EXISTING OR PROPOSED SCRAP STORAGE AREAS ON THE SITE.
 - c. **A STOCKPILE OF AGGREGATE, TOPSOIL, OVERBURDEN, EXCEPT FOR SUCH STOCKPILES LOCATED TO MITIGATE NOISE OR DUST**
TOPSOIL AND OVERBURDEN WILL BE STRIPPED AND STOCKPILED TOGETHER, IN A LOCATION THAT WILL NOT BE THREATENED BY FUTURE EXCAVATION AND WILL LIKELY BE LOCATED JUST OFF THE SITE TO THE SOUTH ON THE EXISTING LICENCE. AGGREGATE WILL NORMALLY BE STOCKPILED ON THE FLOOR OF THE QUARRY.
 - d. **INTERNAL HAUL ROADS**
INTERNAL ROADS ARE TEMPORARY AND WILL GENERALLY BE AN EXTENSION OF THOSE ON THE EXISTING LICENCE AND THEIR LOCATION WILL BE DICTATED BY THE PROCESS OF EXTRACTION.
- 38 **LOCATION OF ANY PROPOSED STATIONARY AND/OR TEMPORARY PROCESSING AREA(S) ON THE SITE**
THE PROCESSING PLANT AND STOCKPILE STAGING AREA WILL INITIALLY BE LOCATED ON THE EXISTING PIT AND/OR QUARRY FLOOR AND WILL LOCATE TO THE NEW QUARRY FLOOR AS EXTRACTION PROCEEDS AND AS SPACE ALLOWS. ALL EQUIPMENT WILL BE PORTABLE, AND TEMPORARY IN NATURE.
- 39 **LOCATION OF ANY PROPOSED RECYCLABLE MATERIALS ON THE SITE**
NONE
- 40 **PROPOSED SEQUENCE AND DIRECTION OF SITE DEVELOPMENT**
THE QUARRY WILL BE DEVELOPED AS SHOWN ON THE SITE PLAN. EXTRACTION FOR THE QUARRY SHALL COMMENCE IN A NORTHERLY DIRECTION AND THEN IN AN EASTERLY DIRECTION. EXTRACTION FOR THE QUARRY WILL BE IN ONE PHASE ONLY AND WILL OCCUR AS SHOWN TO MEET THE DEMAND FOR SELECT PRODUCTS AND TO NOT IMPACT THE OPERATION OF THE EXISTING LICENCE. THERE WILL ONLY BE ONE PHASE AS THE WESTERN PART WILL LIKELY BE WHERE THE EXTRACTION IS CONCENTRATED ONLY MOVING EASTWARD TO MEET THE DEMAND FOR VARIOUS PRODUCTS.
- 41 **DETAILS ON HOW THE STRIPPING AND STOCKPIILING OF THE TOPSOIL AND OVERBURDEN WILL BE MANAGED**
TOPSOIL AND OVERBURDEN WILL BE STRIPPED AND STOCKPILED SEPARATELY UNLESS THE TWO MATERIALS ARE INDISTINGUISHABLE OR IN LAYERS TOO THIN TO SEPARATE EFFECTIVELY. STOCKPILES WILL BE ESTABLISHED IN VARIOUS LOCATIONS, MAINLY OFFSITE TO THE SOUTH ON

THE EXISTING LICENCE IN ORDER TO FACILITATE A MORE EFFECTIVE REHABILITATION PLAN, HOWEVER THEY SHALL BE LOCATED IN ACCORDANCE WITH THE OPERATIONAL STANDARDS. SITE CLEARING AND PREPARATION SHALL OCCUR FROM SEPTEMBER 1 TO APRIL 1 TO PROTECT BREEDING BIRDS AND MONARCHS.

- 42 MAXIMUM NUMBER OF LIFTS AND MAXIMUM HEIGHT OF THE LIFT**
THE MAXIMUM NUMBER OF LIFTS FOR THE QUARRY WILL BE SIX, BUT THIS COULD CHANGE BASED ON THE VARIABILITY OF THE GEOLOGY AND THE LOCATION OF THE EXTRACTION. MAXIMUM HEIGHTS WILL BE 22 M. FOR THE QUARRY. THE HEIGHT OF EACH LIFT WILL GENERALLY BE DEPENDENT ON THE MATERIAL BEING EXTRACTED, THE EQUIPMENT BEING USED AND THE HEIGHT OF THE FEATURE.
- 43 ANY PROPOSED SURFACE WATER DRAINAGE AND DRAINAGE FACILITIES, WATER DIVERSION AND POINTS OF DISCHARGE TO SURFACE WATER ON SITE OR WITHIN 120 METRES OF SITE**
DRAINAGE OF THE EXTRACTED AREAS WILL BE CONTAINED ONSITE OR ALLOWED TO DRAIN ONTO THE EXISTING LICENCE TO ALLOW FOR PERCOLATION INTO THE OVERBURDEN. EXISTING SURFACE WATER DRAINAGE FOLLOWS THE NATURAL SLOPE OF THE LAND, WHICH IS INDICATED BY THE CONTOURS ON PAGE 1 OF THE PLAN, AND WILL EVENTUALLY PERCOLATE INTO THE OVERBURDEN OR EVAPORATE. THERE WILL BE NO CHANNELIZED DRAINAGE OF SURFACE WATER TO WATER BODIES LOCATED OFF OF THE SITE. IF REQUIRED ANY WATER PUMPED FROM THE QUARRY WILL BE TO AN AREA OF THE PROPERTY THAT WILL ALLOW FOR EASY PERCOLATION INTO THE SURFICIAL MATERIAL.
- 44 A STATEMENT INDICATING WHETHER ANY SOURCE WATER PROTECTION POLICIES APPLY TO THE SITE, NOTING ANY ASSOCIATED MITIGATION MEASURES**
THERE ARE NO POLICIES THAT APPLY
- 45 IDENTIFY ANY FUEL STORAGE AREAS**
TEMPORARY PORTABLE FUEL STORAGE WILL ACCOMPANY PROCESSING EQUIPMENT AND THE LICENSEE SHALL ENSURE IT IS IN ACCORDANCE WITH APPLICABLE LEGISLATION. IT WILL GENERALLY BE LOCATED IN CLOSE PROXIMITY TO THE EQUIPMENT OR OFFSITE TO THE SOUTH
- 46 LOCATION AND LABELLING OF ALL EXCAVATION SETBACKS FROM THE LICENSED BOUNDARY**
SHOWN ON SITE PLAN
- 47 FINAL EXTRACTION ELEVATION(S) OF THE SITE USING SPOT ELEVATIONS**
SHOWN ON PAGE 2 OF SITE PLAN
- 48 LOCATION AND MINIMUM HEIGHT OF ANY PROPOSED BERMS**
NO BERMS PROPOSED
- 49 DETAILS ON HOW BERMS WILL BE VEGETATED AND MAINTAINED**
N/A
- 50 DETAILS ON HOW THE AGGREGATE MATERIALS WILL BE EXCAVATED, INCLUDING THE METHODS(S) OF EXTRACTION AND LISTING THE TYPES OF EQUIPMENT TO BE USED**
THE ROCK WILL BE DRILLED, BLASTED AND THEN CRUSHED TO PRODUCE THE REQUIRED PRODUCTS AS DICTATED BY DEMAND.
EQUIPMENT USED ON THE SITE MAY INCLUDE, BUT IS NOT LIMITED TO, HYDRAULIC TRACK DRILLS, AIR TRACK DRILLS, CRUSHING/SCREENING PLANTS, CRUSHERS, GENERATORS, PORTABLE ASPHALT AND PORTABLE CONCRETE PLANTS FOR PUBLIC AUTHORITY CONTRACTS ONLY, HYDRAULIC SPLITTERS, BREAKERS, LOADERS, EXCAVATORS, BULLDOZERS, BACKHOES, AND OTHER EXCAVATION EQUIPMENT, AND A VARIETY OF TRUCKS. A WASH PLANT WILL BE ALLOWED SUBJECT TO ALL GOVERNMENT APPROVALS.
- 51 DETAILS OF PROPOSED TREE SCREENS AND HOW THEY WILL BE MAINTAINED**
THERE ARE NO PROPOSED TREE SCREENS. TREES WITHIN THE SETBACKS WILL NOT BE DISTURBED.
- 52 DETAILS ON HOURS OF OPERATION OF THE SITE CONSIDERING ALL OPERATIONS THAT INVOLVE THE PHYSICAL REMOVAL OF AGGREGATE**
HOURS OF OPERATION WILL BE FROM 7 a.m. to 9 p.m., MONDAY TO SATURDAY AS PER THE CURRENT LICENCE. THERE SHALL BE NO OPERATION ON SUNDAYS OR STATUTORY HOLIDAYS. THERE WILL BE NO BLASTING BETWEEN 6 PM AND 8 AM.
- 53 DETAILS ON HOW TREES AND STUMPS WILL BE DISPOSED OF OR UTILIZED**
TREES AND STUMPS WILL BE REMOVED. MERCHANTABLE TREES WILL BE SOLD OR UTILIZED IF COMMERCIALY VIABLE. UNMERCHANTABLE TREES AND STUMPS WILL BE STOCKPILED ON THE EXISTING LICENCE. TREES AND STUMPS WILL LATER BE UTILIZED IN REHABILITATION TO COVER THE REHABILITATED SLOPE/FLOOR TO DETER NON-AUTHORIZED VEHICLES FROM DISTURBING REHABILITATED AREAS, AND TO PROVIDE HABITAT FOR WILDLIFE.
- 54 A SECTION RECORDING ANY DIFFERENCES BETWEEN PROPOSED OPERATIONS AND THE OPERATIONAL REQUIREMENTS SPECIFIED IN SECTION 0.13 OF ONTARIO REGULATION 244/97**
1 NO GATE WILL BE INSTALLED AS THE ACCESS WILL BE CONTROLLED BY THE GATE FOR THE EXISTING LICENCE
2 APPLIES TO GATE AS IN 1 ABOVE
6 TOPSOIL AND OVERBURDEN MAY BE STOCKPILED TOGETHER AS THE COMBINED THICKNESS OF BOTH IS LESS THAN 0.3 M. AND TOO THIN TO SEPARATE
10 THERE IS NO SETBACK ALONG THE SOUTH BOUNDARY AS THE APPLICANT OWNS THE ADJACENT PROPERTY AND IT CUTS THROUGH AN EXISTING LICENCE
13 OPERATIONS MAY OCCUR AND AGGREGATE TOPSOIL AND/OR OVERBURDEN MAY BE STOCKPILED WITHIN THE 30 M. SETBACK ALONG THOSE BOUNDARIES THAT HAVE NO 15 M. EXCAVATION SETBACK.
17 THERE IS AN APPROVED TOPSOIL OPERATION ON THE EXISTING LICENCE THAT WILL ALSO APPLY TO THE NEW LICENCE. SUFFICIENT TOPSOIL SHALL REMAIN ONSITE FOR REHABILITATION.
18. AS PER 17 ABOVE

- 55 **A STATEMENT TO INDICATE THE MAXIMUM NUMBER OF TONNES OF AGGREGATE TO BE REMOVED FROM THE SITE IN ANY CALENDAR YEAR**
THE NUMBER OF TONNES TO BE REMOVED FROM THIS SITE IN ANY CALENDAR YEAR IS 450,000 TONNES.
- 56 **IF THE PROPOSED SITE IS LOCATED WITHIN THE PROTECTED COUNTRYSIDE OF THE GREENBELT...**
N/A
- 57 **FOR AN APPLICATION FOR A QUARRY PROPOSING TO BLAST: DETAILS ABOUT THE FREQUENCY AND TIMING OF BLASTS**
BLASTING WILL BE CONDUCTED PERIODICALLY, GENERALLY BASED ON THE DEMAND FOR QUARRIED STONE. IT IS EXPECTED THERE WILL BE A 1-3 BLASTS PER YEAR. THIS MAY BE REVISED UPWARD IF MONITORING INDICATES THAT VOLUME OF THE BLAST SHOULD BE REDUCED. THERE SHALL BE NO BLASTING ON A SATURDAY, SUNDAY OR HOLIDAY. THE TIMING OF BLASTS COULD BE ANY TIME DURING THE DAY AND WILL DEPEND ON WHEN THE DRILLING IS COMPLETED AND THE HOLES LOADED, THE WEATHER, AS WELL AS, OTHER EXTERNAL FACTORS THAT MAY ARISE.
- 58 **FOR AN APPLICATION FOR A QUARRY PROPOSING TO BLAST: THE NUMBER OF SENSITIVE RECEPTORS THAT ARE LOCATED WITHIN 500 METRES OF THE BOUNDARY OF THE SITE AND THE DISTANCE FROM THE BOUNDARY TO EACH SENSITIVE RECEPTOR**
THERE ARE NOT ANY
- NOTE FROM NATURAL ENVIRONMENT REPORT MITIGATION:** IF A HOG- NOSED SNAKE IS OBSERVED MOVING THROUGH THE SITE, IT SHOULD BE PERMITTED TO MOVE AWAY ON ITS OWN OR RELOCATED TO A SAFE LOCATION NEARBY.

REHABILITATION

- 59 **PROPOSED FINAL REHABILITATION OF THE SITE**
AS THE LIMIT OF EXTRACTION IS APPROACHED, THE LICENSEE WILL EITHER EXTRACT TO THE LIMIT OF EXTRACTION AND BACKFILL TO PRODUCE A 2:1 SLOPE FOR THE QUARRY WITH NATIVE AGGREGATE MATERIAL ON SITE OR EXTRACT LESS MATERIAL AND USE IN SITU MATERIAL TO PRODUCE THE REQUIRED SLOPES. ALL SLOPES SHALL BE CREATED USING CUT/FILL OR BACKFILL METHODS, USING MATERIAL FROM THE SITE. WATER WILL BE ALLOWED TO COLLECT IN THE REHABILITATED QUARRY TO CREATE A SCENIC POND FOR RECREATIONAL USE IF ALL OF THE WATER DOES NOT PERMEATE INTO THE ROCK OR DRAINS FROM THE QUARRY, AS THE 'B' QUARRY COULD CUT INTO THE 'A' QUARRY AS THE 'B' QUARRY FLOOR CAN BE LOWER THAN THE 'A'. THE ANTICIPATED FINAL USE OF THE SITE IS A RURAL NATURALIZED AREA AND POSSIBLY A POND. THIS MAY HAVE TO BE MODIFIED DEPENDING ON THE PIT AND QUARRY EXTRACTION FROM THE 'B' LICENCE IF THE 'B' QUARRY CUTS INTO THE PROPOSED QUARRY. IN THIS CASE THERE MAY NOT BE A POND IF THE SOUTH WALL IS EXTRACTED AS PART OF THE B LICENCE
- 60 **DETAILS ON HOW PROGRESSIVE REHABILITATION WILL BE CONDUCTED IN RELATION TO THE OPERATIONAL SEQUENCES**
PROGRESSIVE REHABILITATION SHALL OCCUR AS EXTRACTION CONTINUES NORTH AND EAST AS LONG AS IT DOES NOT NEGATIVELY IMPACT THE EFFICIENT AND EFFECTIVE OPERATION OF BOTH LICENCES
- 61 **DETAILS ON HOW OVERBURDEN AND TOPSOIL WILL BE USED TO FACILITATE PROGRESSIVE REHABILITATION**
THE STOCKPILED TOPSOIL/OVERBURDEN/ORGANIC MATTER SHALL BE USED TO REHABILITATE THE SITE. THE SLOPES AND FLOORS, ABOVE WATER, SHALL BE COVERED WITH TOPSOIL/OVERBURDEN. ANY AVAILABLE STUMPS AND OTHER WOODY MATERIAL SHALL BE SPREAD OVER THE REHABILITATED SLOPES AND FLOORS TO DETER UNAUTHORISED RECREATIONAL VEHICLES FROM DISTURBING THE SITE AND TO CREATE COVER FOR WILDLIFE. TOPSOIL THAT HAS BEEN COMMITTED TO THE 'B' WILL BE USED FOR THE REHABILITATION OF THAT LICENCE
- 62 **A STATEMENT INDICATING WHETHER ANY SOIL, TOPSOIL OR FILL MATERIAL WILL BE IMPORTED TO THE SITE FOR REHABILITATION PURPOSES. WHERE REHABILITATION MATERIALS ARE TO BE IMPORTED, DETAILS ON THE TYPE, USE, VOLUME AND QUALITY OF THOSE MATERIALS, AS WELL AS DETAILS ON ANY RELATED TESTING, TRACKING AND RECORD KEEPING THAT WILL BE CARRIED OUT**
THERE WILL BE NONE IMPORTED, UNLESS IT IS THE TOPSOIL/OVERBURDEN STORED ON THE 'B' LICENCE
- 63 **LOCATION, LAYOUT AND TYPE OF VEGETATION THAT WILL BE ESTABLISHED ON SITE DURING PROGRESSIVE AND FINAL REHABILITATION**
THE ENTIRE SITE OTHER THAN THE ACCESS ROADS, WILL BE ALLOWED TO REVEGETATE NATURALLY. ANY BARREN AREAS WHERE VEGETATION HAS NOT ESTABLISHED WITHIN TWO YEARS WILL BE ARTIFICIALLY REVEGETATED WITH GRASS.
- 64 **DETAILS ABOUT HOW SLOPES WILL BE ESTABLISHED ON THE EXCAVATION FACES AND THE QUARRY FLOOR**
AS THE LIMIT OF EXTRACTION IS APPROACHED, THE LICENSEE WILL EITHER EXTRACT TO THE LIMIT OF EXTRACTION AND BACKFILL TO PRODUCE A 2:1 SLOPE FOR THE QUARRY OR EXTRACT LESS MATERIAL AND USE IN SITU MATERIAL TO PRODUCE THE REQUIRED SLOPES.
- 65 **DETAILS ABOUT ANY BUILDING(S) OR STRUCTURE(S), INCLUDING ANY INTERNAL HAUL ROADS, THAT WILL REMAIN ON THE SITE AS PART OF THE FINAL REHABILITATION**
NONE. SOME INTERNAL ROADS MAY REMAIN FOR ACCESS TO THIS PART OF THE PROPERTY. THE LOCATION OF THESE ROADS WILL BE DETERMINED AFTER EXTRACTION IS COMPLETE.
- 66 **DETAILS ABOUT THE FINAL SURFACE WATER DRAINAGE AND WHETHER DRAINAGE FACILITIES WILL REMAIN ON SITE**

DRAINAGE OF EXTRACTED AREAS WILL BE CONTAINED ON-SITE OR ALLOWED TO DRAIN ONTO THE B LICENCE WHERE IT WILL INFILTRATE INTO THE SURFICIAL MATERIAL AND/OR EVAPORATE. IN THE AREA OF THE QUARRY, WATER WILL EITHER DRAIN FROM OR COLLECT IN THE QUARRY OR DRAINAGE WILL FOLLOW THE EXCAVATED SLOPES AND PERCOLATE INTO THE GROUND. THERE WILL BE NO CHANNELIZED DRAINAGE OF SURFACE WATER TO WATER BODIES LOCATED OFF OF THE SITE. THIS MAY HAVE TO BE MODIFIED DEPENDING ON THE PIT AND QUARRY EXTRACTION FROM THE 'B' LICENCE.

- 67 FOR AN APPLICATION FOR A CLASS A LICENCE OR AN AGGREGATE PERMIT THE WOULD AUTHORIZE THE EXTRACTION OR REMOVAL OF MORE THAN 20,000 TONNES OF AGGREGATE PER YEAR: THE FINAL ELEVATIONS OF THE REHABILITATED AREAS OF THE SITE ILLUSTRATED BY ONE OR TWO METRE CONTOUR INTERVAL(S), EXPRESSED AS METRES ABOVE SEA LEVEL

REFER TO SITE PLAN PAGE 3

- 68 FOR AN APPLICATION FOR A CLASS B LICENCE.....

N/A

CROSS SECTIONS

- 69 IDENTIFY THE LOCATION OF CROSS SECTIONS ON ALL DRAWINGS

ONE CROSS SECTION LINE RUNS THROUGH THE SITE.

- 70 APPROPRIATE HORIZONTAL AND VERTICAL SCALES MUST BE CLEARLY MARKED ON ALL CROSS SECTIONS

SEE CROSS SECTION

- 71 ONE OR MORE CROSS-SECTIONS OF EXISTING CONDITIONS AND REHABILITATION OF THE SITE, INCLUDING FINAL SLOPE GRADIENTS AND FINAL FLOOR ELEVATION

SEE CROSS SECTION. IF THE 'B' QUARRY CUTS INTO THE 'A' QUARRY THE SOUTHERN PART OF THIS CROSS SECTION WILL NEED TO BE MODIFIED TO REFLECT THE EXTRACTION.

- 72 THE MAXIMUM PREDICTED GROUND WATER TABLE

FOR THE PURPOSE OF THIS SITE, IT WILL BE ASSUMED THAT THE MAXIMUM PREDICTED WATER TABLE IS AT LEAST 2.5 M. BELOW 228 MASL. THIS MAY HAVE TO BE MODIFIED ONCE DATA FROM THE WATER MONITORING PROGRAM IS AVAILABLE OR INFORMATION IS OBTAINED FROM THE 'B' QUARRY

73. FOR AN APPLICATION FOR A CLASS A LICENCE ..., A CROSS SECTION OF A TYPICAL BERM DESIGN IF BERMS TO BE CONSTRUCTED ON THE SITE.

NO BERMS