

GENERAL SITE PLAN INFORMATION

- THIS SITE PLAN CONSISTS OF DRAWINGS AND MUST BE READ COLLECTIVELY.
- ALL MEASUREMENTS SHOWN ON THIS SITE PLAN ARE IN METRES.
- THIS SITE PLAN IS PREPARED FOR SUBMISSION TO THE MINISTRY OF NATURAL RESOURCES AND FORESTRY UNDER THE AGGREGATE RESOURCES ACT (FPA, CHAPTER 4, CLASS 'A' LICENCE, QUARRY ABOVE THE WATER TABLE).
- APPLICANT: 220008 ONTARIO INC. P.O. BOX 249 BUCKHORN, ONTARIO K0L 1S0
- TOTAL AREA TO BE LICENCED: 69.7 HA
TOTAL AREA TO BE EXTRACTED: 46.8 HA
TOTAL AREA TO BE REHABILITATED: 46.8 HA

BASE INFORMATION

- TOPOGRAPHIC INFORMATION WAS OBTAINED FROM TOPOGRAPHIC SURVEY FOR LOTS 21, CONCESSION 8 PREPARED BY FIRST BASE SOLUTIONS INC. USING 1:50,000 AERIAL PHOTOGRAPHY DATED 2013. PROPERTY BOUNDARIES OBTAINED FROM WSP SITE PLAN DATED SEPTEMBER 2014. THE SITE WAS FIELD CHECKED BY HARRINGTON McAVAN LTD. APRIL 13, 2016.
- ZONING INFORMATION CHECKED BY HARRINGTON McAVAN LTD. APRIL 13, 2016 BY-LAW NO. 82014 (O.L. DATED JULY 15, 2014).

HYDROGEOLOGICAL INFORMATION

- THE GROUNDWATER TABLE WITHIN THE SITE HAS BEEN ESTABLISHED AT THE FOLLOWING ELEVATIONS (WALS) RELATIVE TO SURFACE TOPOGRAPHY:
IN THE EAST OF THE SITE, GROUNDWATER HAS BEEN DETERMINED TO AT AN APPROXIMATE ELEVATION OF BETWEEN 274 AND 283 WALS. THIS IS BASED ON A DETAILED EXAMINATION OF TOPOGRAPHY, BEDROCK COMPOSITION, EXISTING SURFACE WATER FEATURES, MONITORING WELLS ALONG THE WEST HALF OF THE SITE, SITE INFORMATION FROM THE ADJACENT QUARRY TO THE SOUTH, AND DATA FROM MONITORING WELLS RW-2.
- IN THE WEST OF THE SITE, SUSTAINABLE GROUNDWATER IS ANTICIPATED BELOW ELEVATION 280 WALS. THIS IS BASED ON LONG TERM MONITORING DATA FROM RW1 AND RW2. WHERE GROUND WATER RANGES FROM ELEVATIONS 282 TO 285 WALS, MW18 WAS CONSTRUCTED TO A COMPLETED DEPTH OF 286 WALS AND WAS A DRY WELL. SURFACE WATER OCCASIONALLY ENTERS RW18. COMPREHENSIVE INVESTIGATIONS INDICATE THAT THIS IS AN UNSUSTAINABLE WATER SITUATION WITH AN ANTICIPATED LOW RECOVERY RATE OF 0.00 L/MIN. WATER IN RW18 IS STABILIZED AT ELEVATION 286 WALS. WELLS AND CONSIDERED QUARANTAINED. THE ELEVATION WILL BE USED AS A CONTROL ELEVATION FROM WHICH TO PROVIDE A CONSERVATIVE MARGIN OF SAFETY TO ACTUAL GROUNDWATER ANTICIPATED TO BE FOUND AT DEEPER ELEVATIONS. SUSTAINABLE GROUNDWATER IS MORE ACCURATELY REPRESENTED BY MW19-1 AND IS FOUND AT ELEVATION 279 WALS.

FULL REFERENCE TO ASSOCIATED HYDROGEOLOGICAL ASSESSMENTS PREPARED IN SUPPORT OF THE APPLICATION SHOULD BE MADE TO FURTHER UNDERSTAND GROUNDWATER WITHIN AND SURROUNDING THE SITE.

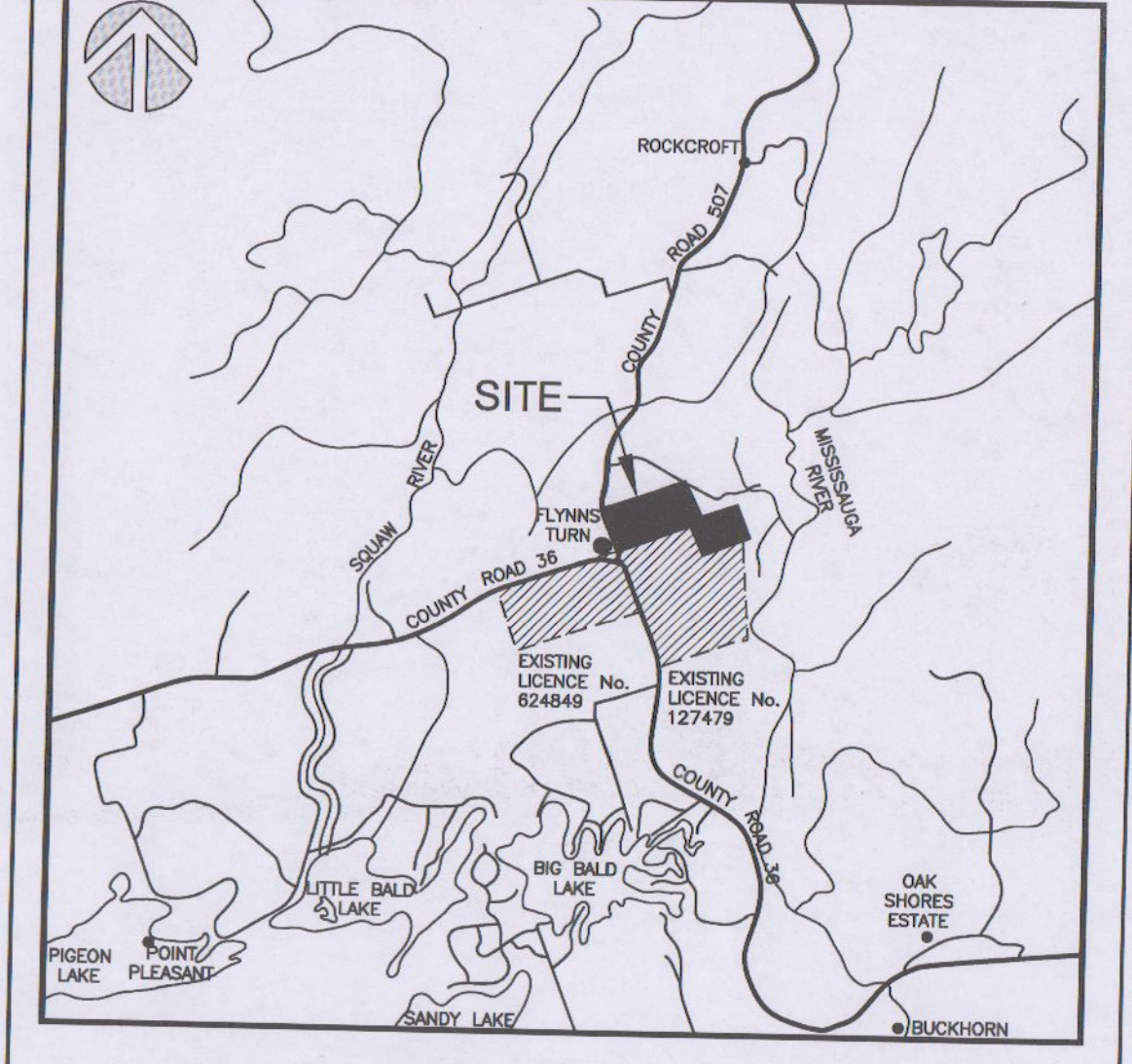
RESOURCE INFORMATION

- RESOURCE INFORMATION IS OBTAINED FROM AEP MAPPING, GEOLOGICAL MAPPING AND TEST AND CORE LOGS COMPLETED BY WSP FEBRUARY 27, 2016.

TECHNICAL REPORTS

- HYDROGEOLOGICAL INFORMATION WAS OBTAINED FROM REPORT BY WSP DATED MAY 2017, AND SUPPLEMENTAL REPORT DATED NOVEMBER 23, 2018 (REFER TO DRAWING 4 FOR TECHNICAL RECOMMENDATIONS).
- NATURAL ENVIRONMENT INFORMATION WAS OBTAINED FROM REPORT BY ALBERT ENVIRONMENTAL ASSOCIATES INC. DATED MAY 2017, UPDATED NOVEMBER 2018 (REFER TO DRAWING 4 FOR TECHNICAL RECOMMENDATIONS).
- ARCHAEOLOGICAL INFORMATION WAS OBTAINED FROM A STAGE 1 REPORT BY WSP DATED MARCH 2016 (REFER TO DRAWING 4 FOR TECHNICAL RECOMMENDATIONS).
- ADDITIONAL INFORMATION WAS OBTAINED FROM NOISE REPORT BY VALCOUSTICS CANADA LTD. DATED MAY 2017, UPDATED NOVEMBER 2018 (REFER TO DRAWING 4 FOR TECHNICAL RECOMMENDATIONS).
- BLASTING INFORMATION WAS OBTAINED FROM BLAST IMPACT ANALYSIS REPORT BY EXPLOTECH DATED MAY 2017, UPDATED NOVEMBER 2018 (REFER TO DRAWING 4 FOR TECHNICAL RECOMMENDATIONS).

KEY MAP



LEGEND

- 120m INFORMATION BOUNDARY
- BOUNDARY OF AREA TO BE LICENCED
- BOUNDARY OF EXISTING ADJACENT LICENCE
- PROPERTY LINE
- LOT/CONCESSION LINE
- REGULATORY SETBACK LINE
- LIMIT OF EXTRACTION
- EXISTING FENCE
- EXISTING WATER COURSE
- EXISTING VEGETATION
- EXISTING WETLAND
- EXISTING OPEN WATER
- EXISTING 5m CONTOUR LINE
- EXISTING 1m CONTOUR LINE
- EXISTING SPOT ELEVATION
- EXISTING QUARRY OPERATION
- PIT ENTRANCE/EXIT
- ROAD ACCESS
- EXISTING BUILDING AND NUMBER
- EXISTING HYDRO POLE
- DIRECTION OF SURFACE WATER DRAINAGE
- MONITORING WELLS RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, RW-8, RW-9, RW-10, RW-11, RW-12, RW-13, RW-14, RW-15, RW-16, RW-17, RW-18, RW-19, RW-20, RW-21, RW-22, RW-23, RW-24, RW-25, RW-26, RW-27, RW-28, RW-29, RW-30, RW-31, RW-32, RW-33, RW-34, RW-35, RW-36, RW-37, RW-38, RW-39, RW-40, RW-41, RW-42, RW-43, RW-44, RW-45, RW-46, RW-47, RW-48, RW-49, RW-50, RW-51, RW-52, RW-53, RW-54, RW-55, RW-56, RW-57, RW-58, RW-59, RW-60, RW-61, RW-62, RW-63, RW-64, RW-65, RW-66, RW-67, RW-68, RW-69, RW-70, RW-71, RW-72, RW-73, RW-74, RW-75, RW-76, RW-77, RW-78, RW-79, RW-80, RW-81, RW-82, RW-83, RW-84, RW-85, RW-86, RW-87, RW-88, RW-89, RW-90, RW-91, RW-92, RW-93, RW-94, RW-95, RW-96, RW-97, RW-98, RW-99, RW-100
- EXISTING DOMESTIC WELLS
- MONITORING WELLS MW18-1, MW18-2, MW18-3 AND SHALLOW STANDPIPE SP18-1, 18-2 INSTALLED APRIL 2018
- MONITORING WELL 18-3 INSTALLED JULY 20, 2019
- WETLAND STAFF GAUGE
- ADJACENT LICENCE MONITORING WELL

BUILDING LIST

No.	Description
1	HOUSE
2	GARAGE
3	GARAGE
4	SHED
5	GAS STATION/STORE
6	ADMINISTRATION BUILDING
7	TOWER BUILDING
8	HOUSE
9	GARAGE
10	SHED
11	SHED
12	STORAGE BUILDING
13	GARAGE
14	HOUSE
15	STRUCTURAL REMNANTS OF A ROUND HOUSE

NO.	DATE	REVISIONS
3	MAR 2020	PER MRP COMMENTS/REVISIONS
2	NOV 2019	PER MRP COMMENTS
1	NOV 2018	ISSUE LICENCE 2018 (BOUNDARY PER MRP COMMENTS, ADD NEW MAP)

NO.	DATE	REVISIONS
1	MAR 2020	PER MRP COMMENTS/REVISIONS
2	NOV 2019	PER MRP COMMENTS
3	MAR 2020	PER MRP COMMENTS/REVISIONS

Harrington McAvan Ltd.
41 Main Street, Unit 102
Unionville, Ontario L3R 2E5
Tel: 905-294-8262 Fax: 905-294-7523
www.harringtonmcavan.com

ROCKRIDGE QUARRY

LICENCE No. *9.586*
APPLICANT'S SIGNATURE
LOT 21, CONCESSION 8, GEOGRAPHIC TOWNSHIP OF HARVEY, MUNICIPALITY OF TRENT LAKES (FORMERLY GALWAY-CAVENDISH AND HARVEY TOWNSHIP), COUNTY OF PETERBOROUGH

Scale 1:2000
North
Stamp
Drawing Status: SUBMITTED FOR LICENCE APPLICATION
Drawn S.B. Checked R.M./M.H. Issue Date MAR 2020
Drawing Title: EXISTING FEATURES PLAN
Project Number: 16-01
Drawing Number: 1



