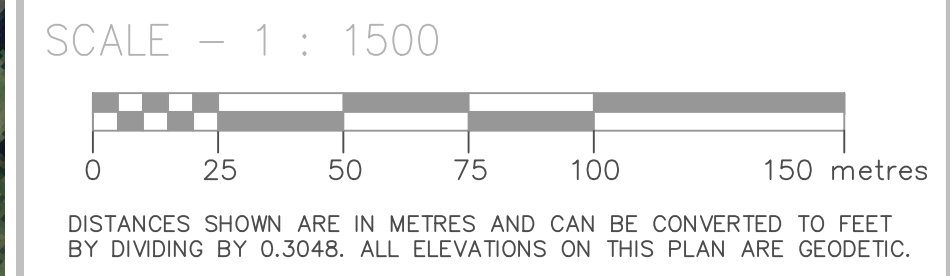


LESLIE PIT  
LICENCE NO. 626398  
CATEGORY 3 CLASS "A" PIT ABOVE WATER  
PART OF LOT 11  
CONCESSION 10  
GEOGRAPHIC TOWNSHIP OF GOULBOURN  
CITY OF OTTAWA

NOTES:  
1. LOT, CONCESSION, AND BOUNDARY LINES ON THIS PLAN ARE APPROXIMATE.  
2. THIS IS NOT A LEGAL SURVEY DRAWING IN ACCORDANCE WITH THE PROVINCE OF ONTARIO SURVEYOR'S ACT 1987.

LEGEND	
	EXISTING GROUND SURFACE CONTOUR (m asl)
	EXISTING BUILDING
	EXISTING SITE ENTRANCE / EXIT
	PROPERTY LINE
	LICENCE BOUNDARY
	EXTRACTION LIMIT
	120m LICENCE OFFSET
	MUNICIPAL ROAD (ASPHALT)
	FORMER GRAVEL PIT
	EXISTING DITCH LINE
	EXISTING BELL AND HYDRO WIRES
	EXISTING BELL AND HYDRO POLE
	EXISTING POLE ANCHOR
	EXISTING FENCE LINE
	APPROXIMATE TEST PIT LOCATION
	APPROXIMATE TEST WELL LOCATION
	EXISTING RESIDENTIAL WELL LOCATION
	EXISTING DITCH / LOT LINES
	EXISTING SURFACE DRAINAGE DIRECTION
	SURVEY MONUMENT - FOUND
	SURVEY MONUMENT - SET
	EXISTING VISUAL SCREEN BERM

AREAS	
DESCRIPTION	AREA(ha)
PROPERTY	72.9
LICENCE AREA	34.8
EXTRACTION AREA	38.5
FORMER PIT AREA	5.0



SITE BENCHMARKS	
DESCRIPTION	ELEVATION
BM #1 SPIKE IN BELL & HYDRO POLE ON FERNBANK ROAD	140.58m
BM #2 SPIKE IN BELL & HYDRO POLE ON SITE & 300M NORTH OF FERNBANK ROAD	142.31m

No.	Amendment	Date
1	SITE PLAN REVISIONS PER COMMENTS	OCT. 22/19

Drawing Title:  
EXISTING FEATURES PLAN

**Milestone**  
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Your rural land planning experts

P.O. Box 20148  
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<b>EXISTING FEATURES NOTES</b>  SECTIONS PERTAINING TO THE SITE PLAN STANDARDS, EXISTING FEATURES 1.1.1 THROUGH 1.1.9, AND 1.1.11 TO 1.1.13 ARE LOCATED IN THE TITLE BLOCK SECTION OF THIS PLAN ON THE RIGHT SIDE OF THE DRAWING. ALTHOUGH THE TRANS CANADA BOUNDARY IS ORIENTED NORTHWESTERLY, FOR THE PURPOSE OF THIS SITE PLAN, TO PREVENT CONFUSION, THE BOUNDARY WILL BE REFERRED TO AS THE NORTH BOUNDARY, MAKING FERNBANK ROAD AS SHOWN ON THE PLAN.  THE SITE IS CURRENTLY BEING USED FOR ROTATING AGRICULTURAL CASH CROPS, AND HISTORICALLY AS A WORKING FARM. THERE IS AN EARLY LOG CABIN ALONG THE EAST BOUNDARY WITH LATER INCLUSION OF A BRICK HOME, GARAGE, AND LOG SHED, WHICH HAVE ALL SINCE BEEN REMOVED. SAND, GRAVEL AND SHALEY BEDROCK WERE ALSO EXCAVATED FOR ROAD CONSTRUCTION IN THE VICINITY OF THE SITE.  1.1.10 LIST OF REFERENCES  THIS SITE PLAN WAS PREPARED USING THE FOLLOWING RESOURCES:  1. TOPOGRAPHIC SURVEY OF THE SITE CONDUCTED BY MCINTOSH PERRY SURVEYING INC. (JULY 8, 2013). 2. REFERENCE PLANS 4R-5473, 4R-15217, SR-5539, REGISTERED PLAN 4M-327. 3. ONTARIO MINISTRY OF NATURAL RESOURCES AND FORESTRY (MNR). DIGITAL RASTER ACQUISITION PROJECT EAST (DRAPE 2014). 4. HYDROGEOLOGY STUDY FOR THE SITE COMPLETED BY MORRISON HERSHFIELD ON JANUARY 8, 2019. 5. THE NATURAL ENVIRONMENT LEVEL 1 AND 2 REPORT COMPLETED BY GEORFIMA ENGINEERING LTD. ON JANUARY 10, 2019. 6. THE STAGE 1 ARCHAEOLOGICAL ASSESSMENT COMPLETED BY NICHOLAS R. ADAMS OF ADAMS HERITAGE IN SEPTEMBER OF 2003. ADDENDUM COMPLETED SEPTEMBER 2010. 7. THE STAGE 2 ARCHAEOLOGICAL ASSESSMENT COMPLETED BY PAST RECOVERY ARCHAEOLOGICAL SERVICES INC. ON FEBRUARY 26, 2014. 8. THE ADDENDUM TRAFFIC LETTER REPORT COMPLETED BY CASTLEGLINN CONSULTANTS ON JANUARY 10, 2019. 9. SUMMARY REPORT FOR THE SITE COMPLETED BY ZANDERPLAN INC. IN JANUARY OF 2019.  1.1.14 EXISTING ZONING  EXISTING ZONING OF THE SUBJECT PROPERTY AND ADJACENT PROPERTIES WITHIN 120m IS SHOWN ON THE PLAN, AND IS BASED ON THE CITY OF OTTAWA ZONING BY-LAW NO. 2008-250. THE SUBJECT PROPERTY FALLS IN THE RURAL COUNTRYSIDE (RU) ZONE.  1.1.15 SITE TOPOGRAPHY  THE TOPOGRAPHY OF THE SITE IS ILLUSTRATED ON THE PLAN AT 1m CONTOUR INTERVALS, EXPRESSED AS METRES ABOVE MEAN SEA LEVEL (ASL).  1.1.16 LOCATION OF EXISTING BUILDINGS  ALL EXISTING BUILDINGS LOCATED ON OR WITHIN 120m OF THE SITE ARE SHOWN ON THE PLAN AND ARE LABELLED. THE ON-SITE LOG SHED HAS BEEN REMOVED.	1.1.17 EXISTING ENTRANCE LOCATIONS  THE RESIDENTIAL DWELLING, WHICH HAS BEEN REMOVED, HAS A GRAVEL ENTRANCE ALONG THE SOUTHEAST BOUNDARY OF THE SITE OFF OF FERNBANK ROAD AS SHOWN ON THE PLAN.  1.1.18 MAIN INTERNAL HAUL ROADS  THERE IS AN INTERNAL HAUL ROAD TO THE OLD BRENNAN HOMESTEAD ON-SITE WHICH WAS USED FOR GRAVEL PIT EXTRACTION IN THE PAST, AND AS EVIDENCE BY THE OLD EXCAVATION TO BEDROCK IN THE NORTHEAST AND SOUTH PORTIONS OF THE SITE.  1.1.19 ESTABLISHED GROUNDWATER TABLE  THE GROUNDWATER TABLE HAS BEEN ESTABLISHED ON-SITE, ACCORDING TO SECTION 3.2.2 OF THE HYDROGEOLOGICAL REPORT ON-SITE GROUNDWATER ELEVATIONS RANGE BETWEEN 131.37M TO 137.32M ASL AND THE ESTABLISHED GROUNDWATER TABLE IS APPROXIMATELY 133.7M ASL SINCE PIT OPERATIONS TERMINATE ABOVE TOP OF BEDROCK, AND GROUNDWATER ELEVATIONS ARE SHOWN AT 8 METRES BELOW BEDROCK IN THE CENTRAL PART OF THE SITE. THE FINAL PIT FLOOR IS WELL ABOVE THE ESTABLISHED GROUNDWATER TABLE.  1.1.20 EXISTING SURFACE WATER DRAINAGE  ALL EXISTING SURFACE WATER DRAINAGE DIRECTIONS ARE SHOWN ON THE PLAN. THE PORTION OF THE SITE NORTH OF THE ON-SITE BUILDINGS GENERALLY FLOWS WEST TO THE DRAINAGE DITCH AND NORTH TOWARD THE HUNTLEY WETLAND.  1.1.21 EXISTING FENCING  ALL EXISTING FENCES ARE SHOWN ON THE PLAN. TYPES OF FENCING INCLUDE POST AND WIRE, RAIL, AND SNAKE RAIL FENCE.  1.1.22 EXISTING TREE COVER  EXISTING TREE COVER IS SHOWN ON THE PLAN. THE MIXED WOODLAND LABELED ALONG THE NORTH BOUNDARY IS A PROVINCIALLY SIGNIFICANT WOODLAND.  1.1.23 EXISTING TOPSOIL STOCKPILES  THERE ARE NO EXISTING STOCKPILES OF TOPSOIL OR OVERBURDEN ON SITE.	1.1.24 EXISTING AGGREGATE STOCKPILES  THERE ARE NO EXISTING STOCKPILES OF AGGREGATE OR RECYCLABLE MATERIALS ON SITE.  1.1.25 EXISTING SCRAP STORAGE  THERE IS NO EXISTING SCRAP STORAGE ON SITE.  1.1.26 EXISTING FUEL STORAGE  THERE IS NO EXISTING FUEL STORAGE ON SITE.  1.1.27 SIGNIFICANT NATURAL FEATURES  SIGNIFICANT NATURAL FEATURES ON AND WITHIN 120m OF THE SITE INCLUDE THE PROVINCIALLY SIGNIFICANT HUNTLEY WETLAND (AN ENVIRONMENTALLY PROTECTED AREA), LOCATED APPROXIMATELY 1.15M NORTH OF THE SITE. A SMALL PORTION OF A SIGNIFICANT WOODLAND (MIXED FOREST) MEASURING 3.65 HECTARES EXTENDS ONTO THE SITE FROM THE NORTH. ALL SIGNIFICANT NATURAL FEATURES ON AND WITHIN 120m OF THE SITE ARE SHOWN ON THE PLAN.  1.1.28 MAN-MADE FEATURES  THERE ARE NUMEROUS MAN-MADE FEATURES ON AND WITHIN 120m OF THE SITE. THESE INCLUDE RESIDENTIAL DWELLINGS, SHEDS, BARN, ROADS, DITCHES, POWER AND COMMUNICATION LINES, AND THE TRANS-CANADA TRAIL. HISTORICALLY, LANDS IN THE VICINITY OF JINKINSON SIDE ROAD HAVE BEEN USED AS A SOURCE OF BOTH SAND AND GRAVEL, AND LIMESTONE BEDROCK EXTRACTION. SIGNIFICANT LANDS WERE DESIGNATED IN THE CITY OFFICIAL PLAN DURING THE 1993 UPDATE OF THE AGGREGATE RESOURCE POLICIES RECOGNIZING THIS LAND USE. CURRENTLY THERE ARE 7 QUARRIES OPERATING ALONG JINKINSON SIDE ROAD BETWEEN HIGHWAY 7 TO THE NORTH AND FERNBANK ROAD TO THE SOUTH. CAVANAGH CONSTRUCTION LTD. HENDERSON QUARRY (ARA NO. 123696) ABUTS THIS SITE TO THE NORTH. ALONG THE EAST BOUNDARY THERE IS AN OVERGROWN FOUNDATION FROM A PIONEER LOG CABIN REFERRED TO AS THE BRENNAN SITE WHICH IS ARCHAEOLOGICALLY SIGNIFICANT. ALL SIGNIFICANT MAN-MADE FEATURES ON AND WITHIN 120m OF THE SITE ARE SHOWN ON THE PLAN.	1.1.29 EXISTING EXCAVATION FACES  THERE IS EVIDENCE OF PIT EXCAVATION FACES IN THE EAST PORTION OF THE SITE DOWN TO CONTACT WITH THE BEDROCK. EXTRACTION OF SAND AND GRAVEL HAS ALSO OCCURRED WEST OF THE ON-SITE BUILDINGS. THIS AREA HAS BEEN GRADED AND IS NOW USED FOR AGRICULTURAL PURPOSES.  1.1.30 EXISTING PROCESSING AREAS  THERE IS NO EXISTING PROCESSING AREA ON SITE.  1.1.31 EXISTING BERMS  THERE IS A PERMANENT BERM LOCATED ALONG THE WEST BOUNDARY CREATED FROM THE EXTRACTION OF THE AGRICULTURAL DITCH ALONG THE WEST BOUNDARY.  1.1.32 LOCATION OF CROSS-SECTIONS  THE LOCATION OF THE THREE (3) CROSS-SECTIONS ARE SHOWN ON THE PLAN. SEE DRAWING NUMBER 04.
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APPLICANT & PROPERTY OWNER  
CRAINS' CONSTRUCTION LIMITED  
1800 MABERLY-ELPHIN ROAD  
MABERLY, ONTARIO, K0H 2B0

DATE \_\_\_\_\_ WILBURT CRAIN  
I HAVE THE AUTHORITY TO SIGN THE CORPORATION

MNRF APPROVAL:  
  
THE SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS "A" LICENCE, CATEGORY 3 APPLICATION

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

PLAN CERTIFICATION  
  
I HEREBY CERTIFY THAT THIS SITE PLAN WAS PRODUCED UNDER MY SUPERVISION.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Drawn By: CC Checked By: CM Drawing Number: 01  
Project Number: 18-024