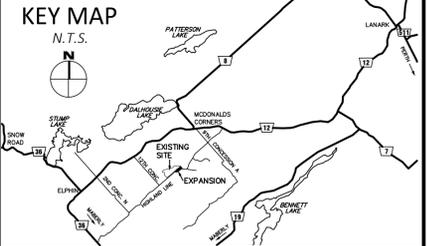
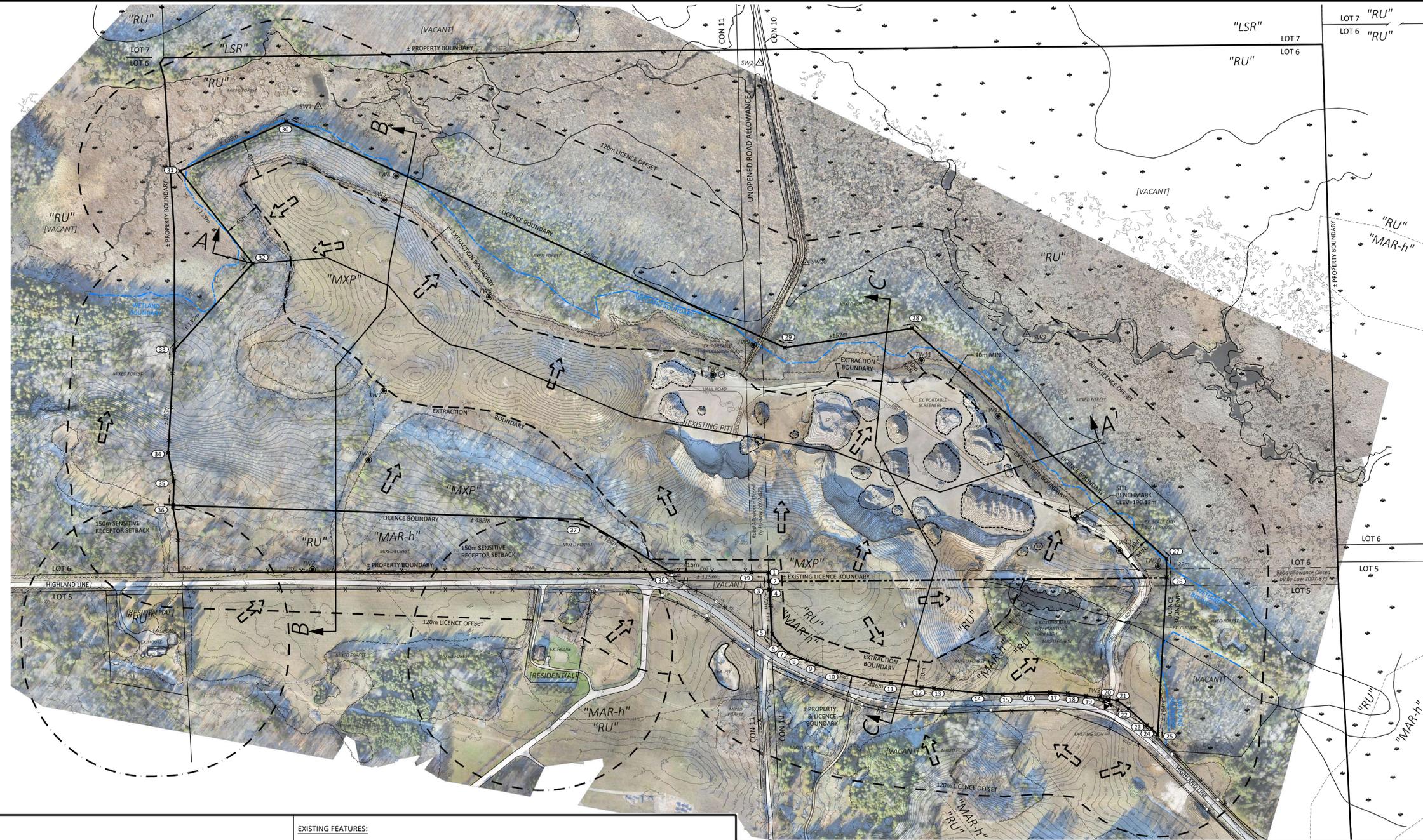


LICENCE BOUNDARY COORDINATES

POINT #	NORTHING	EASTING
1	4976827.78	378433.31
2	4976820.23	378439.96
3	4976812.68	378446.61
4	4976813.19	378447.23
5	4976774.28	378482.00
6	4976770.23	378497.12
7	4976769.23	378510.83
8	4976773.00	378525.72
9	4976779.14	378545.22
10	4976787.14	378567.94
11	4976817.11	378627.11
12	4976835.95	378658.46
13	4976844.07	378670.56
14	4976873.95	378717.41
15	4976889.24	378738.16
16	4976909.02	378759.47
17	4976926.12	378780.16
18	4976937.99	378797.25
19	4976949.37	378816.03
20	4976962.95	378839.43
21	4976968.12	378848.33
22	4976968.90	378864.61
23	4976967.23	378893.54
24	4976967.56	378900.21
25	4976966.81	378910.34
26	4977117.21	378803.02
27	4977134.21	378789.11
28	4977157.35	378385.84
29	4977045.72	378283.00
30	4976884.79	377658.60
31	4976761.30	377597.23
32	4976730.10	377732.14
33	4976592.90	377723.52
34	4976494.46	377793.41
35	4976472.58	377819.57
36	4976450.13	377836.66
37	4976738.60	378222.82
38	4976756.25	378343.56
39	4976815.15	378417.64



LOCATION OF SITE
 PART OF LOT 5&6, CONCESSION 10
 PART OF LOT 6 CONCESSION 11
 PART OF THE ROAD ALLOWANCE BETWEEN CONCESSIONS 10 & 11 IN LOT 6
 PART OF THE ROAD ALLOWANCE BETWEEN LOTS 5&6, CONCESSION 10
 GEOGRAPHIC TOWNSHIP OF DALHOUSIE
 TOWNSHIP OF LANARK HIGHLANDS
 LANARK COUNTY

APPLICANT AND PROPERTY OWNER
 ARNOTT BROS. CONSTRUCTION LTD.
 36 HWY 511, PERTH, ONTARIO
 K7H 3C9

JUNE.13.2025
 DATE
 MIKE CRAIN
 I HAVE THE AUTHORITY TO BIND THE CORPORATION

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

JUNE.13.2025
 DATE
 MARK PRIDDLE, P.GEO.

AREAS

DESCRIPTION	AREA(ha)
EXISTING LICENCE AREA	34.3
EXPANSION LICENCE AREA	5.8
NEW TOTAL LICENCE AREA	40.1
NEW TOTAL EXTRACTION AREA	20.1

BOUNDARIES
 ANY BOUNDARY AND/OR TITLE AREA INFORMATION SHOWN ON THIS SITE PLAN IS COMPILED FROM THE SOURCES RECITED ON THE DRAWINGS. FOR THE PURPOSES OF PRODUCING A SITE PLAN UNDER THE AGGREGATE RESOURCES ACT, EGIS DOES NOT CERTIFY THAT THE BOUNDARIES OF THE PROPERTIES SHOWN ON THIS PLAN ARE ACCURATE WITHIN THE MEANING OF THE SURVEYS ACT. PROPER LEGAL SURVEY RE-ESTABLISHMENT OF ANY BOUNDARY LOCATIONS OF PROPERTIES ON THIS PLAN MUST BE COMPLETED BY AN ONTARIO LAND SURVEYOR WORKING WITHIN THE SURVEYS ACT, SURVEYOR'S ACT, AND LAND TITLES OR REGISTRY ACT AND REGULATIONS MADE THEREUNDER.



SITE PLAN GENERAL NOTES:

- A KEYMAP SHOWING THE LOCATION OF THE PROPOSED SITE IS LOCATED IN THE TOP RIGHT CORNER OF ALL DRAWINGS.
- GENERAL DESCRIPTION OF THE SITE:
 PART OF LOT 5&6, CONCESSION 10,
 PART OF LOT 6 CONCESSION 11,
 PART OF THE ROAD ALLOWANCE BETWEEN CONCESSIONS 10 & 11 IN LOT 6,
 PART OF THE ROAD ALLOWANCE BETWEEN LOTS 5&6, CONCESSION 10,
 GEOGRAPHIC TOWNSHIP OF DALHOUSIE,
 TOWNSHIP OF LANARK HIGHLANDS,
 LANARK COUNTY
- UTM EASTING AND NORTHING COORDINATES FOR EVERY CORNER OF THE PROPOSED SITE BOUNDARY AND CENTRE POINT OF ENTRANCE AND EXIT WHERE IT INTERSECTS THE SITE BOUNDARY ARE SHOWN ON ALL DRAWING.
- SCALE REFERENCES USING BOTH RATIO AND GRAPHIC METHODS ARE LOCATED ON THE RIGHT SIDE OF ALL DRAWINGS.
- THE APPLICANT'S NAME, ADDRESS, AND SIGNATURE IS LOCATED ON THE RIGHT SIDE OF ALL DRAWINGS.
- NOT APPLICABLE.
- THE NAME AND SIGNATURE OF THE PERSON UNDER WHOSE DIRECTION THIS PLAN WAS PREPARED AND CERTIFIED CAN BE FOUND ON THE RIGHT SIDE OF ALL DRAWINGS.
- THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS A LICENCE FOR A PIT BELOW THE GROUND WATER TABLE.
- A NORTH ARROW IS LOCATED IN THE TOP LEFT CORNER OF ALL DRAWINGS.
- A SCHEDULE FOR RECORDING SITE PLAN AMENDMENTS IS LOCATED ON THE RIGHT SIDE OF ALL DRAWINGS.
- A LEGEND IS LOCATED ON THE RIGHT SIDE OF ALL DRAWINGS.
- THE PROPOSED BOUNDARY OF THE SITE IS SHOWN ON ALL DRAWINGS.
- THE NEW TOTAL LICENCE AREA IS 40.1 HECTARES, LOCATED AND DIMENSIONED AS SHOWN ON THE DRAWINGS.
- APPROXIMATE LOT AND CONCESSION LINES ARE SHOWN ON ALL DRAWINGS.
- THIS SITE PLAN WAS PREPARED USING THE FOLLOWING RESOURCES:
 a. EXISTING 'MCKINNON PIT' SITE PLAN BY MCINTOSH PERRY, NOW EGIS (ARA NO. 609261).
 b. TOPOGRAPHIC MAPPINGS AND DIGITAL MAPPINGS PROVIDED BY TEC SURVEY (SURVEYED NOV.24, 2021).
 c. INFORMATION DERIVED FROM REFERENCE PLANS 27R-9126, 27R-9812, 27R-9817, 27R-9818.
 d. TOWNSHIP OF LANARK HIGHLANDS ZONING BY-LAWS.
 e. NATURAL ENVIRONMENT TECHNICAL REPORT - CRAIN-MCKINNON PIT EXPANSION PREPARED BY ECOLOGICAL SERVICES.
 f. HYDROGEOLOGICAL ASSESSMENT, LEVEL 1 AND LEVEL 2 WATER REPORTS AND MAXIMUM PREDICTED WATER TABLE REPORT PREPARED BY GRM INC.
 g. STAGE 2 ARCHAEOLOGICAL ASSESSMENT FOR THE PROPOSED ARNOTT BROS. MCKINNON PIT EXPANSION PREPARED BY PAST RECOVERY ARCHAEOLOGICAL SERVICES INC.

EXISTING FEATURES:

- EXISTING ZONING OF LAND ON AND WITHIN 120 METRES OF THE SITE IS SHOWN ON THE PLAN. ZONING IS BASED ON THE TOWNSHIP OF LANARK ZONING BY-LAW 2003-451, AS AMENDED BY BY-LAW 2004-548. ZONING SYMBOLS AND ZONING BOUNDARIES ARE DEPICTED ON THE MAP.
- EXISTING USE OF LAND ON AND WITHIN 120 METRES OF THE SITE IS SHOWN ON THE PLAN.
- THE MAXIMUM WATER TABLE WAS DETERMINED IN THE HYDROGEOLOGICAL INVESTIGATION. THE GROUNDWATER LEVELS WERE MEASURED IN THREE SITE WELLS BETWEEN DECEMBER 3, 2020, AND JULY 28, 2022. TW 1 REPRESENTS THE PERCHED UNCONFINED AQUIFER. THE OTHER TWO WELLS, TW 2 AND TW 3 REPRESENT THE GRANULAR AQUIFER. THE GRANULAR AQUIFER IS THE PERTINENT AQUIFER TO USE TO ESTABLISH THE MAXIMUM WATER TABLE FOR THE PROPOSED OPERATION.
 AT TW 2 THE GROUNDWATER ELEVATION FLUCTUATED 0.25m. THE GROUNDWATER ELEVATION IN TW 3 FLUCTUATED 0.4m OVER THE PERIOD MONITORED AND WAS AN AVERAGE OF 2.45m LOWER THAN TW2 IN THE GRANULAR AQUIFER OVER THE MONITORING PERIOD. THE HIGHEST WATER LEVEL IN THE GRANULAR AQUIFER WAS RECORDED ON APRIL 23, 2021. IN TW 2, THE LOWEST GROUNDWATER LEVEL OCCURRED ON JULY 12, 2021 (FIGURE 4). THE GROUNDWATER LEVELS ON JULY 28 JUST OVER ONE YEAR LATER WERE NEARLY IDENTICAL.
 THE MAXIMUM PREDICTED WATER TABLE FOR THE SITE IS 189m ASL, DETERMINED FROM THE WATER LEVEL DATA.
- THE EXISTING ENTRANCE AND EXIT LOCATION IS SHOWN ON THE PLAN. AN EXISTING LOCKABLE GATE IS LOCATED AS SHOWN ON THE PLAN.
- SIGNIFICANT NATURAL FEATURES ON AND WITHIN 120 METRES OF THE SITE ARE SHOWN ON THE PLAN. AN UN-EVALUATED WETLAND SURROUNDS THE NORTH AND EAST BOUNDARY AND THE NORTHERN PART OF THE WEST BOUNDARY OF THE LICENCE AREA AND DEFINES THE LICENCE BOUNDARY AND THE EXTENT OF THE EXTRACTION LIMITS FOR THESE PARTICULAR AREAS.
 FISH HABITAT EXISTS IN THE ADJACENT WETLAND TO THE NORTH AND IS PROTECTED BY THE EXTRACTION LIMIT (SETBACK) FROM THE EXTRACTION AREA. MEADOW LARK HABITAT SOUTH OF HIGHLAND LINE ROAD HAS BEEN MITIGATED BY ENSURING EXTRACTION OCCURS FROM NORTH TO SOUTH IN PHASE 1 AND WESTERLY BEYOND PHASE 1. AN ADDITIONAL SETBACK ALONG THE NORTHWEST LICENCE BOUNDARY (45 METRES) ADDS ADDITIONAL PROTECTION FOR THE WETLAND FISH HABITAT AND SIGNIFICANT WILDLIFE HABITAT. SETBACKS FROM WETLANDS AND OTHER NATURAL HERITAGE FEATURES OBTAINED FROM NATURAL ENVIRONMENT TECHNICAL REPORT - CRAIN-MCKINNON PIT EXPANSION PREPARED BY ECOLOGICAL SERVICES.
- SIGNIFICANT HUMAN-MADE FEATURES ON AND WITHIN 120 METRES OF THE SITE ARE SHOWN ON THE PLAN. THE CURRENT LICENCED PIT AREA OF 34.3 HECTARES CONTAINS AN OPERATING AND DISTURBED AREA OF APPROXIMATELY 8 HECTARES DEPICTED BY THE AREA STRIPPED OF TOPSOIL, THE PRODUCT STOCKPILES ON THE PIT FLOOR AND OVERBURDEN STOCKPILES AROUND THE PIT FACE. STOCKPILE LOCATIONS ARE SHOWN ON THE PLANS ABOVE. THERE IS SOME SCATTERED STRIP RESIDENTIAL DEVELOPMENT ADJACENT TO THE SOUTH (BEYOND 150 METRES OF THE SITE WITH AGRICULTURAL FIELDS AND MIXED BUSH).
- THE LOCATION AND USE OF ALL BUILDINGS AND OTHER STRUCTURES EXISTING ON AND WITHIN 120 METRES OF THE SITE ARE SHOWN ON THE PLAN. EXISTING WEIGH SCALES AND ATTACHED PORTABLE OFFICE ARE LOCATED AS SHOWN ON THE PLAN.
- THE EXISTING TOPOGRAPHY OF THE SITE IS ILLUSTRATED ON THE PLAN AS ONE METRE CONTOUR INTERVALS EXPRESSED AS METRES ABOVE MEAN SEA LEVEL (ASL).
- EXISTING SURFACE WATER DRAINAGE IS GENERALLY FROM THE SOUTH TO THE NORTH TOWARD THE EXISTING UNEVALUATED WETLAND LOCATED ADJACENT TO THE SITE. CURRENTLY SOME SURFACE WATER IS BEING RETAINED IN LOW LYING AREAS LOCATED WITHIN THE PROPOSED LICENCE BOUNDARY. SURFACE WATER DRAINAGE DIRECTIONS AND DRAINAGE FACILITIES ON AND WITHIN 120 METRES OF THE SITE ARE SHOWN ON THE PLAN.
- EXISTING TREE COVER LOCATIONS ON SITE AND WITHIN 120 METRES OF THE SITE ARE SHOWN ON THE PLAN.
- EXISTING FENCE LOCATIONS, INCLUDING TYPE OF FENCE ARE LOCATED AS SHOWN ON THE PLAN. A CEDAR RAIL FENCE EXISTS ALONG THE SOUTH PORTION OF THE WEST BOUNDARY AND FOR THE EXTREME WESTERN PART OF THE SOUTH BOUNDARY. THE MAJORITY OF THE SOUTH BOUNDARY ALONG HIGHLAND LINE ROAD IS FENCED WITH PAGE WIRE ALONG ITS ENTIRE LENGTH. (REFER TO DRAWING). THERE IS NO FENCE ALONG THE REMAINDER OF THE LICENCE BOUNDARY BEYOND THE WETLAND SETBACK WHICH IS WITHIN THE CONFINES OF THE PROPERTY BOUNDARY.

EXISTING FEATURES FOR SITES THAT HAVE BEEN PREVIOUSLY EXCAVATED:

- EXISTING EXCAVATION FACES ARE SHOWN ON THE PLAN. THERE ARE NO FINAL REHABILITATED AREAS ON THE SITE.
- RECYCLABLE MATERIALS OR SCRAP HAVE BEEN REMOVED ON AN ON-GOING BASIS AND PRESENTLY DO NOT EXIST ON SITE.
- NO FUEL STORAGE TANKS PRESENTLY EXIST ON SITE. EQUIPMENT FUEL IS CURRENTLY PROVIDED WITH A FUEL TRUCK.
- A PORTABLE PROCESSING PLANT IS CURRENTLY OPERATED ON THE SITE, ON THE PIT FLOOR IN CLOSE PROXIMITY TO THE WORKING FACE.
- AN EXISTING BERM IS LOCATED IN THE SOUTH EAST PORTION OF THE SITE, AS NOTED ON THE SITE PLAN THE BERM IS APPROXIMATELY 4M HIGH.
- A PORTABLE PROCESSING PLANT IS CURRENTLY OPERATED ON THE SITE, ON THE PIT FLOOR IN CLOSE PROXIMITY TO THE WORKING FACE.

LEGEND

- EXISTING SURFACE WATER DRAINAGE
- EXISTING BUILDING
- EXISTING SITE ENTRANCE/EXIT
- EXISTING GATE
- APPROXIMATE EXISTING LEGAL FABRIC
- ± EXISTING FENCE LINE (PIVOT-POST AND WIRE FENCE) (RF-RAIL FENCE)
- 120m LICENCE OFFSET
- LICENCE BOUNDARY
- EXTRACTION BOUNDARY
- WETLAND BOUNDARY (FROM NATURAL ENVIRONMENT TECHNICAL REPORT)
- MUNICIPAL ROAD
- EXISTING TREE COVER
- ± EXISTING TOE OF EXCAVATION SLOPE
- ± EXISTING TOP OF EXCAVATION SLOPE
- EXISTING GROUND CONTOURS
- EXISTING UTILITY POLE AND ANCHOR
- EXISTING OVERHEAD UTILITY WIRES
- EXISTING TEST WELL LOCATION (APPROXIMATE)
- EXISTING SURFACE WATER TEST LOCATION (APPROXIMATE)
- EXISTING STOCKPILE
- EXISTING SWAMP (FROM ORIGINAL SITE PLANS)
- EXISTING STANDING WATER (FROM AERIAL IMAGERY)
- EXISTING WATERCOURSE (FROM ORIGINAL SITE PLAN)
- LIMITED SERVICES RURAL ZONING
- RURAL ZONING
- MINERAL AGGREGATE RESOURCES RESERVE (HOLDING) ZONING
- MINERAL AGGREGATE RESOURCES PIT

No.	Amendments	Date

Check and verify all dimensions before proceeding with the work. Do not scale drawings.

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 Carp, ON K0A 1L0
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Client: ARNOTT BROS. CONSTRUCTION LTD.
 36 HWY 511, PERTH, ONTARIO, K7H 3C9

Project: **MCKINNON PIT LICENCE NO. 609261 CLASS "A" PIT BELOW WATER**

Drawing Title: **EXISTING FEATURES PLAN**

Scale: 1:2500 (METRES) Project Number: CCO-22-1194

Drawn by: SH

Checked By: MP Drawing Number:

Date: JUNE.13.2025 Sheet 1 of 5

FILENAME: C:\Users\mckinnon\OneDrive - EGIS Group\My Documents\CCO-22-1194\Mckinnon_Pit02\CCO-22-1194_Mckinnon_Pit02_Site Plan\Mckinnon_Pit02_Site Plan.dwg
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