

### **EXISTING FEATURES NOTES**

GENERAL SITE PLAN INFORMATION

1. THIS SITE PLAN CONSISTS OF 4 DRAWINGS AND MUST BE READ COLLECTIVELY. 2. ALL MEASUREMENTS SHOWN ON THIS SITE PLAN ARE IN METRES.

LICENCE INFORMATION

3. THIS SITE PLAN IS PREPARED FOR SUBMISSION TO THE MINISTRY OF NORTHERN DEVELOPMENT, MINES, NATURAL RESOURCES, AND FORESTRY UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENCE, PIT BELOW THE WATER TABLE. 4. APPLICANT:

ST. MARYS CEMENT INC. (CANADA) 55 INDUSTRIAL STREET TORONTO, ONTARIO

5. TOTAL AREA TO BE LICENCED: 35.2 ha TOTAL AREA TO BE EXTRACTED: 22.4 ha
TOTAL AREA TO REHABILITATED: 22.4 ha

BASE INFORMATION 6. TOPOGRAPHIC INFORMATION FOR LOT 8 & 9, CONCESSION 2 WAS OBTAINED FROM FIRST BASE SOLUTIONS, APRIL 25, 2019. ALL ELEVATIONS ARE GEODETIC AND ABOVE SEA

PROTECTION). A ZBA WILL BE APPLIED FOR TO CHANGE RU TO M4 (EXTRACTIVE

THE SITE WAS FIELD CHECKED BY HARRINGTON MCAVAN LTD. JUNE 3, 2019. ZONING INFORMATION OBTAINED FROM SCHEDULE A, TOWNSHIP OF BROCK ZONING BY-LAW NO. 278-78-PL, PLATE 'A2', DATED MARCH 2019.
 MAJORITY OF PROPOSED LICENCE IS PRESENTLY ZONED RU (RURAL) AND EP (ENV.

HYDROGEOLOGICAL INFORMATION

8. HYDROGEOLOGICAL INFORMATION INCLUDING GROUNDWATER ELEVATION WAS OBTAINED FROM REPORT BY GOLDER DATED JULY 2021. 9. THE GROUNDWATER ELEVATION SLOPES ACROSS THE SITE AND RANGES FROM 270-263m ABOVE SEA LEVEL (A.S.L.) BASED ON GOLDER REPORT.

THE SITE IS LOCATED WITHIN THE LAKE SIMCOE SOURCE PROTECTION REGION. SOURCE WATER PROTECTION POLICIES DO NO NOT APPLY TO THIS SITE (REFER TO HYDROGEOLOGICAL REPORT). NO MITIGATION IS REQUIRED.

TECHNICAL REPORTS 11. HYDROGEOLOGICAL INFORMATION WAS OBTAINED FROM REPORT BY GOLDER DATED

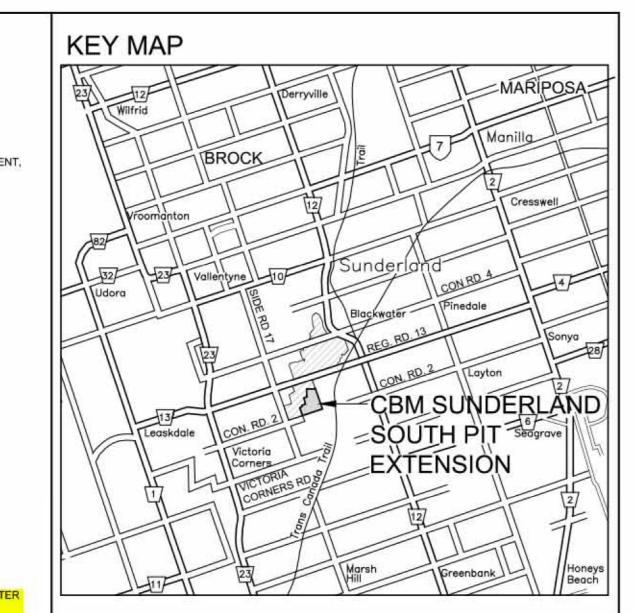
JULY 2021 (REFER TO SHEET 2 FOR TECHNICAL RECOMMENDATIONS).

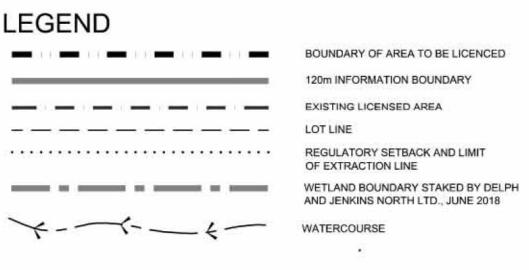
12. NATURAL ENVIRONMENT INFORMATION WAS OBTAINED FROM REPORT BY GOLDER DATED

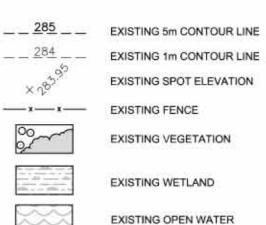
JULY 2021 (REFER TO SHEET 2 FOR TECHNICAL RECOMMENDATIONS). 13. ARCHAEOLOGICAL INFORMATION WAS OBTAINED FROM REPORT BY GOLDER DATED

14. ACOUSTICAL INFORMATION WAS OBTAINED FROM NOISE REPORT BY GOLDER DATED JULY 2021 (REFER TO SHEET 2 FOR TECHNICAL RECOMMENDATIONS).

MARCH 31, 2020 (REFER TO SHEET 2 FOR TECHNICAL RECOMMENDATIONS).

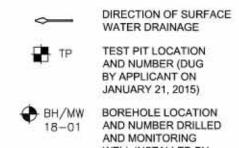






LOCATION OF SECTION

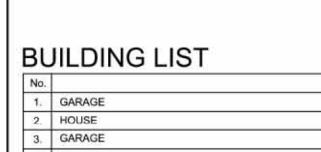






**EXISTING BUILDING** AND NUMBER

●HP EXISTING HYDRO POLE



NO.	DATE	REVISIONS	OWNER	HM	MNR	NO.	DATE	REVISIONS	OWNER	HM	MN
1	JUNE 2022	PER NDMNRF COMMENTS									
2	DEC 2022	PER NDMNRF COMMENTS									



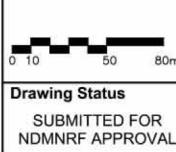
41 Main Street, Unit 102 Unionville, Ontario L3R 2E5 Tel: 905-294-8282 Fax: 905-294-7623 www.harringtonmcavan.com

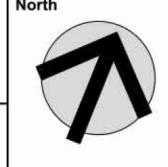


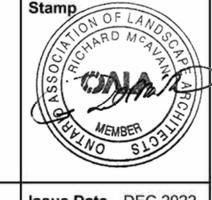
St. Marys Cement Inc. (Canada) 55 Industrial Street Toronto, Ontario M4G 3W9 (416) 423-1300

# CBM Sunderland South Pit Expansion

APPLICANT SIGNATURE: LICENCE No. PART LOT 7 AND 8, CONCESSION 2 TOWNSHIP OF BROCK, REGION OF DURHAM







Drawing Title

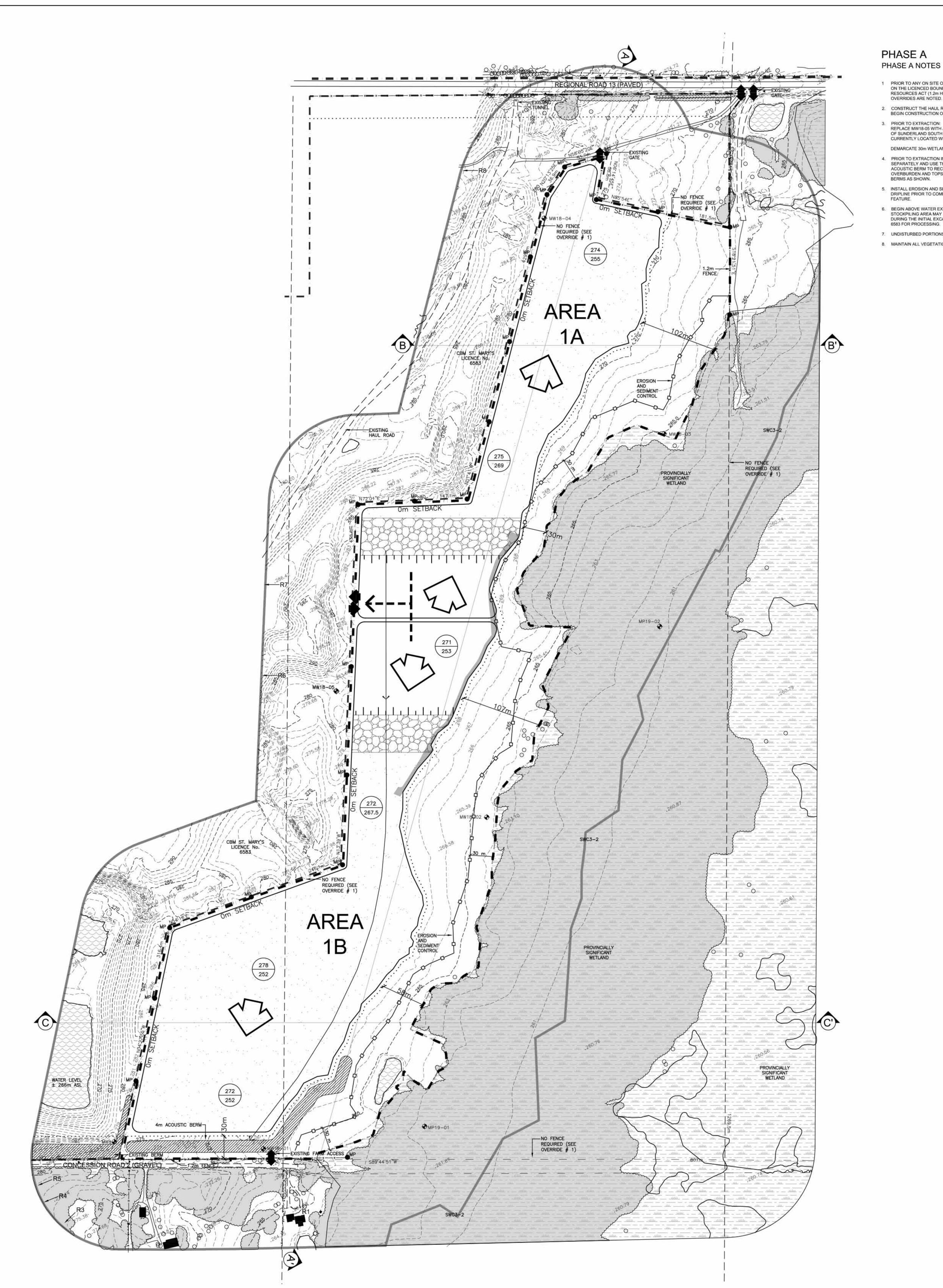
**EXISTING** 

PLAN

Project Number **FEATURES** 

Drawing Number

OF 4



## PHASE A

- PRIOR TO ANY ON SITE OPERATIONS, CONSTRUCT OR UPGRADE THE FENCING ON THE LICENCED BOUNDARIES TO THE STANDARDS OF THE AGGREGATE RESOURCES ACT (1.2m HIGH WIRE FENCE), EXCEPT WHERE SITE PLAN OVERRIDES ARE NOTED. ALL FENCING SHALL BE MAINTAINED.
- CONSTRUCT THE HAUL ROAD THROUGH AREA 1 AND USE STRIPPED SOIL TO BEGIN CONSTRUCTION OF ACOUSTIC BERM.
- PRIOR TO EXTRACTION: REPLACE MW18-05 WITH A NEW WELL LOCATED ON THE WESTERN BOUNDARY OF SUNDERLAND SOUTH PIT AND DECOMMISSION EXISTING MW18-05 CURRENTLY LOCATED WITHIN EXTRACTION AREA.
- DEMARCATE 30m WETLAND/WOODLAND BUFFER. 4. PRIOR TO EXTRACTION IN AREA 1A AND 1B, STRIP TOPSOIL AND OVERBURDEN SEPARATELY AND USE THE MATERIALS TO CONTINUE CONSTRUCTION OF THE ACOUSTIC BERM TO RECOMMENDED SPECIFICATIONS FOR PHASE A. EXCESS OVERBURDEN AND TOPSOIL MAY BE STORED IN STOCKPILES AND STORAGE
- 5. INSTALL EROSION AND SEDIMENT CONTROL MEASURES ALONG EASTERN DRIPLINE PRIOR TO COMMENCEMENT OF ACTIVITIES WITHIN 30M OF THE
- BEGIN ABOVE WATER EXTRACTION OF AREA 1A AND 1B IN DIRECTION SHOWN. STOCKPILING AREA MAY BE TEMPORARILY LOCATED NEAR THE PIT FACE
- DURING THE INITIAL EXCAVATION OF AGGREGATE. SHIP MATERIALS TO LICENCE 6583 FOR PROCESSING.
- 7. UNDISTURBED PORTIONS OF AREAS 1A AND 1B REMAIN IN AGRICULTURAL USE.
- 8. MAINTAIN ALL VEGETATION IN A HEALTHY, VIGOROUS GROWING CONDITION

SPECIFIC OR EQUAL TIME PERIOD.

THIS PLAN DEPICTS A SCHEMATIC OPERATIONS AND REHABILITATION SEQUENCE FOR THIS PROPERTY BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION. PHASES SHOWN ARE SCHEMATIC AND MAY SLIGHTLY VARY WITH MATERIAL QUALITY, SITE HYDROLOGY AND HYDROGEOLOGY OR MARKET DEMAND. PHASES DO NOT REPRESENT ANY

EXTRACTION SHALL FOLLOW THE SEQUENCE SHOWN. WHEN PARTIAL REHABILITATION OF A PHASE IS POSSIBLE IT SHALL BE CARRIED OUT. NOT WITHSTANDING THE EXTRACTION AND REHABILITATION PROCESS ABOVE, DEMAND FOR CERTAIN PRODUCTS OR BLENDING OF MATERIALS WILL REQUIRE SOME DEVIATION IN THE EXTRACTION AND REHABILITATION PHASING.

ANY MAJOR DEVIATIONS FROM THE OPERATIONS SEQUENCE SHOWN WILL REQUIRE APPROVAL FROM MNRF.

2. REFER TO DRAWING 1 OF 4, EXISTING FEATURES, FOR A DESCRIPTION OF EXISTING VEGETATION AND BUILDINGS WITHIN THE

3. SITE PLAN OVERRIDES ARE LISTED IN THE SITE PLAN OVERRIDE TABLE SHOWN ON THIS PAGE.

#### EXTRACTION/PROCESSING/HAULING INFORMATION 4. TOTAL AREA TO BE EXTRACTED IS 22.4 HECTARES.

5. MAXIMUM NUMBER OF TONNES OF AGGREGATE TO BE REMOVED FROM THE SITE IN ANY CALENDAR YEAR IS 1,250,000

EXTRACTION OF SAND AND GRAVEL ABOVE AND BELOW THE WATER TABLE SHALL OCCUR SIMULTANEOUSLY DUE TO THE VARIATION IN MATERIAL. EXTRACTION ABOVE THE WATER TABLE WILL TAKE PLACE IN ONE OR TWO BENCHES, WITH A MAXIMUM HEIGHT OF 7 METRES. THE GROUNDWATER TABLE SLOPES ACROSS THE SITE AND RANGES FROM 270 TO 263m ASL. BELOW WATER EXTRACTION SHALL TAKE PLACE TO A MAXIMUM DEPTH OF 252m ASL TO BE EXTRACTED BY EXCAVATOR. BACKHOE, OR DRAGLINE. FRONT END LOADERS WILL BE USED TO EXTRACT MATERIAL AND HAUL TRUCKS OR WILL CARRY MATERIAL TO THE PLANT IN LICENCE 6583 FOR FURTHER PROCESSING. REFER TO SECTIONS A-A', B-B', AND C-C' ON DRAWING

SITE ACTIVITIES WILL INCLUDE STRIPPING AND REHABILITATION, OPERATIONAL EQUIPMENT MAY INCLUDE TRUCKS, LOADERS, EXCAVATOR, BACKHOES, DRAGLINE, BULLDOZERS, SCRAPERS, AND OTHER RELATED EQUIPMENT. PRODUCT STOCKPILES WILL

NOT EXCEED ±15 METRES IN HEIGHT AND WILL BE LOCATED CLOSE TO PIT FACES. 6. EQUIPMENT, AND MACHINERY ASSOCIATED WITH THE EXTRACTION OPERATIONS WILL BE REMOVED UPON COMPLETION OF

## EXTRACTION. THERE ARE NO BUILDINGS OR STRUCTURES PROPOSED.

THE WATER TABLE ELEVATION VARIES ACROSS THIS LICENCE FROM APPROXIMATELY ±263.6 - ± 270.2m ABOVE SEA LEVEL (A.S.L.). REFER TO SECTIONS ON SHEET 3 OF 4. 8. SURFACE DRAINAGE WILL BE DIRECTED TO THE POND, CENTRAL WETLAND, AND/ OR LOW AREAS FOR WATER TO INFILTRATE

#### INTO THE GRANULAR MATERIALS ON THE PIT FLOOR. THERE WILL BE NO OFF-SITE DITCHING/ DISCHARGE. NOISE MITIGATION INFORMATION

SITE PREPARATION AND REHABILITATION: 07:00-19:00 WEEKDAYS; 07:00 - NOON SATURDAYS EXCAVATION AND PROCESSING 07:00-19:00 WEEKDAYS; 07:00 - NOON SATURDAYS SHIPPING: 07:00-19:00 WEEKDAYS; 07:00 - NOON SATURDAYS

AIR QUALITY INFORMATION 10. WATER OR CALCIUM CHLORIDE WILL BE APPLIED TO INTERNAL HAUL ROADS AND PROCESSING AREAS AS OFTEN AS REQUIRED TO MITIGATE DUST.

#### SITE MANAGEMENT INFORMATION

MAINTENANCE/ PROTECTION OF VEGETATION INFORMATION EXISTING VEGETATION WITHIN THE LICENCED AREA SHALL BE MAINTAINED IN A HEALTHY VIGOROUS GROWING CONDITION UNTIL SEQUENTIAL STRIPPING BEGINS OR UNTIL THE REHABILITATION IS COMPLETE, ANY VEGETATION PLANTED AS PART OF SITE IMPROVEMENTS OR PROGRESSIVE AND FINAL REHABILITATION WILL ALSO BE MAINTAINED IN A HEALTHY, VIGOROUS

2. BOUNDARIES OF THE AREA TO BE LICENCED THAT ARE PRESENTLY FENCED ARE SHOWN ON DRAWING 1 OF 4 EXISTING FEATURES. PRIOR TO ANY STRIPPING OR PREPARATION, FENCING ON THE LICENCED BOUNDARIES WILL BE UPGRADED TO 1.2m HIGH POST AND WIRE TO COMPLY WITH THE AGGREGATE RESOURCES ACT WHERE REQUIRED. 1.2m HIGHLY VISIBLE MARKER POSTS SHALL BE INSTALLED ALONG UNFENCED BOUNDARIES AT INTER-VISIBLE DISTANCES. ALL FENCING AND MARKER POSTS

TOPSOIL/SUBSOIL/OVERBURDEN STORAGE INFORMATION

13. TOPSOIL AND OVERBURDEN SHALL BE STRIPPED AND STORED SEPARATELY IN BERMS WHERE SHOWN AND STOCKPILES ON PIT FLOOR CLOSE TO EXTRACTION FACE.

14. BERMS SHALL BE A MINIMUM OF ±2.5 METRES ABOVE THE EXISTING GRADE, OR AS SPECIFIED IN THE TECHNICAL RECOMMENDATIONS (PAGE 3 OF 4) AND SHOWN ON OPS PLAN. BERMS SHALL NOT EXCEED 2:1. REFER TO TYPICAL BERM CROSS SECTION ON DRAWING 3 OF 4 DETAILS AND SECTIONS, ALL BERMS SHALL BE SEEDED (USING GRASS/LEGUME MIXTURE, SEE REHABILITATION PLAN, NOTE #7) IMMEDIATELY UPON COMPLETION TO MINIMIZE NOISE, DUST AND EROSION.

15. ON COMPLETION OF THE BERMS, EXCESS ON-SITE OVERBURDEN WILL BE USED TO PROGRESSIVELY BACKFILL AND REHABILITATE THE SITE. TOPSOIL CAN BE TEMPORARILY STOCKPILED ON THE PIT FLOOR.

HARVESTED AND SOLD AS LUMBER OR UTILIZED FOR FIREWOOD AND/ OR THEIR BEST USE. UPON COMPLETION OF

6. ALL SCRAP AND USED MACHINERY GENERATED THROUGH THE OPERATIONS WITHIN THIS LICENCE WILL BE REMOVED FROM THE SITE ON AN ONGOING BASIS TO THE SCRAP AREA IN LICENCE 6583. STUMPS/ WOODY MATERIAL MAY BE CHIPPED AND/OR STORED TO BE USED FOR SOIL AND SHORELINE ENHANCEMENT DURING PROGRESSIVE REHABILITATION. TREES WILL BE

MAXIMUM DISTURBED AREA

17. THE DISTURBED AREA OF THE SUNDERLAND SOUTH PIT EXPANSION SHALL BE CONSIDERED PART OF THE TOTAL MAXIMUM DISTURBED AREA FOR THE SUNDERLAND GROUP OF LICENCES, WHICH INCLUDES LICENCE # 6613, 6538, 6662, AND 625229. THE

COMBINED MAXIMUM DISTURBED AREA FOR THE 5 LICENCES SHALL NOT EXCEED 200 HECTARES. ALL REFUELING SHALL BE WITHIN A CONTAINMENT PAD GREATER THAN 30M FROM OPEN WATER

EXTRACTION, ALL SCRAP EQUIPMENT AND USED MACHINERY SHALL BE REMOVED.

## TECHNICAL RECOMMENDATIONS

THE FOLLOWING ARE THE TECHNICAL RECOMMENDATIONS FROM ALL OF THE EXPERTS' REPORTS AS OF MARCH 2021. ADDITIONAL RECOMMENDATIONS MAY BE INCLUDED AS A RESULT OF THE LICENCE REVIEW PROCESS.

THEY MAY BE A NEW ARCHAEOLOGICAL SITE AND THEREFORE SUBJECT TO SECTION 48 (1) OF THE ONTARIO HERITAGE ACT. THE PROPONENT OR PERSON DISCOVERING THE ARCHAEOLOGICAL RESOURCES MUST CEASE ALTERATION OF THE SITE IMMEDIATELY AND ENGAGE A LICENSED CONSULTANT ARCHAEOLOGIST TO CARRY OUT ARCHAEOLOGICAL FIELDWORK, IN COMPLIANCE WITH SECTION 48(1) OF THE ONTARIO HERITAGE ACT. FURTHER, ARCHAEOLOGICAL SITES RECOMMENDED FOR FURTHER ARCHAEOLOGICAL FIELDWORK OR PROTECTION REMAIN SUBJECT TO SECTION 48 (1) OF THE ONTARIO HERITAGE ACT AND MAY NOT BE ALTERED, OR HAVE ARTIFACTS REMOVED FROM THEM, EXCEPT BY A PERSON HOLDING AN ARCHAEOLOGICAL LICENCE.

THE FUNERAL, BURIAL AND CREMATION SERVICES ACT, 2002, SO. 2002, C.33 REQUIRES THAT ANY PERSON DISCOVERING HUMAN REMAINS MUST NOTIFY THE POLICE OR CORONER AND THE REGISTRAR OF CEMETERIES AT THE MINISTRY OF SMALL BUSINESS AND CONSUMER SERVICES. THE REGISTRAR OF CEMETERIES, CEMETERIES REGULATION UNIT CAN BE REACHED AT (416)326-8404

- 1) QUARTERLY GROUNDWATER LEVEL MONITORING SHALL BE CARRIED OUT ON MONITORING WELLS MW18-01 THROUGH MW18-04, THE NEW WELL TO BE CONSTRUCTED ON THE WESTERN PROPERTY BOUNDARY OF THE SUNDERLAND SOUTH PIT, WELL 8 AND MINI-PIEZOMETERS MP19-01 AND MP19-02 TO MONITOR GROUNDWATER FLUCTUATIONS AND CONFIRM THE
- GROUNDWATER TABLE ELEVATION IN ACCORDANCE WITH THE WATER RESOURCES ASSESSMENT REPORT (GOLDER 2021). 2) QUARTERLY TEMPERATURE MONITORING SHALL BE CARRIED OUT ON MONITORING WELLS MW18-01 THROUGH MW18-04, THE NEW WELL TO BE CONSTRUCTED ON THE WESTERN PROPERTY BOUNDARY OF THE SUNDERLAND SOUTH PIT, WELL 8 AND MINI-PIEZOMETERS MP19-01 AND MP19-02 (WHEN NOT FROZEN) TO MONITOR TEMPERATURE FLUCTUATIONS AND IDENTIFY ANY CHANGES DUE TO THERMAL PLUMES IN ACCORDANCE WITH THE WATER RESOURCES ASSESSMENT REPORT (GOLDER
- 3) ANNUAL WATER QUALITY MONITORING SHALL TAKE PLACE IN MONITORING WELLS MW18-01 THROUGH MW18-04 AND THE NEW WELL TO BE CONSTRUCTED ON THE WESTERN PROPERTY BOUNDARY OF THE SUNDERLAND SOUTH PIT DURING OPERATIONS AND FOR A PERIOD OF ONE YEAR AFTER FINAL REHABILITATION OF THE PROPERTY HAS TAKEN PLACE FOR THE FOLLOWING PARAMETERS: GENERAL CHEMISTRY, METALS AND BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- 4) WATER LEVEL AND QUALITY MONITORING SHALL BE DOCUMENTED IN AN ANNUAL REPORT BY A QUALIFIED PROFESSIONAL BY APRIL 30 OF THE YEAR FOLLOWING AND BE AVAILABLE TO MNRF AND DURHAM REGION FOR REVIEW UPON REQUEST
- 5) A PRIVATE WELL SURVEY SHALL BE COMPLETED AT ACCESSIBLE RURAL RESIDENTIAL WELLS LOCATED WITHIN 500 M OF THE PROPERTY BOUNDARY PRIOR TO COMMENCING EXCAVATION. RESULTS OF THE SURVEY WILL BE INCLUDED IN THE FIRST ANNUAL MONITORING REPORT.
- FUEL HANDLING ON THE SITE SHALL BE IN ACCORDANCE WITH EXISTING REGULATIONS INCLUDING PROPER PROCEDURES, A SPILL RESPONSE PLAN AND PROPER FACILITIES.
- NATURAL ENVIRONMENT ASSESSMENT GOLDER ASSOCIATES DATED JULY, 2021

  1. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED ALONG THE DRIPLINE OF THE SIGNIFICANT WETLAND / WOODLAND IN THE EASTERN PORTION OF THE SITE, IN AREAS WHERE RUNOFF HAS THE POTENTIAL TO ENTER THE WETLAND / WOODLAND, PRIOR TO COMMENCEMENT OF ACTIVITIES WITHIN 30 M OF THE SIGNIFICANT WOODLAND (E.G., SITE PREPARATION) AND WILL BE ACTIVELY MONITORED AND MAINTAINED FOR THE DURATION OF THE PROPOSED OPERATIONS.

FOLLOWING REHABILITATION OF THE EASTERN PORTION OF THE SITE, THE CONTROL MEASURES SHALL BE REMOVED.

- 2. SOIL COMPACTION IN THE 5 M SETBACK AREA FROM THE DRIPLINE OF THE SIGNIFICANT WOODLAND WILL BE AVOIDED OR MINIMIZED. WITHIN THE 30 M SETBACK AREA FROM THE WETLAND THE EXISTING GRADE SHALL NOT BE ALTERED OR DISTURBED AND THERE SHALL BE NO MOVEMENT OF VEHICLES/EQUIPMENT, WASHING OF EQUIPMENT, DISPOSAL OF WASTE OR DELETERIOUS MATERIALS OF ANY KIND.
- 3. TO COMPLY WITH THE MIGRATORY BIRDS CONVENTION ACT, AVOID REMOVAL OF VEGETATION DURING THE ACTIVE SEASON FOR BREEDING BIRDS (APRIL 1 - AUGUST 31), UNLESS CONSTRUCTION DISTURBANCE IS PRECEDED BY A NESTING SURVEY CONDUCTED BY A QUALIFIED BIOLOGIST. IF ANY ACTIVE NESTS ARE FOUND DURING THE NESTING SURVEY, A BUFFER SHALL BE INSTALLED AROUND THE NEST TO PROTECT AGAINST DISTURBANCE. VEGETATION WITHIN THE PROTECTION BUFFER CANNOT BE REMOVED UNTIL THE YOUNG HAVE FLEDGED THE NEST.

NOISE ASSESSMENT - GOLDER ASSOCIATES DATED JULY, 2021 1. THE IDENTIFIED SOUTH BERM SHALL BE CONSTRUCTED TO A HEIGHT OF 4M ABOVE EXISTING LOCAL GRADE AND IN THE LOCATION AND LENGTH DEPICTED ON THE SITE PLAN (OPERATIONAL PLAN) TOTALLING APPROXIMATELY 350M, AND SHALL

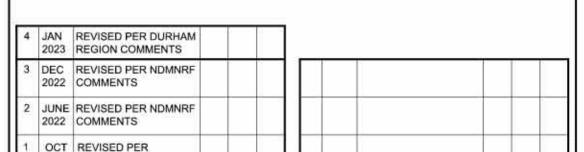
REMAIN IN PLACE UNTIL EXTRACTION HAS BEEN COMPLETED AND THE MATERIAL IN THE BERM IS NEEDED FOR FINAL 2. THE IDENTIFIED SOUTH BERM SHALL BE INCREASED TO A HEIGHT OF 5M ABOVE EXISTING LOCAL GRADE PRIOR TO

COMMENCING BELOW WATER OPERATIONS IN AREA 1B AS DEPICTED ON THE SITE PLAN (OPERATIONAL PLAN), AND SHALL REMAIN IN PLACE UNTIL BELOW WATER EXTRACTION HAS BEEN COMPLETED IN AREA 1B AND THE MATERIAL IN THE BERM IS NEEDED FOR FINAL REHABILITATION.

#### **LEGEND** BOUNDARY OF AREA TO BE LICENCED 120m INFORMATION BOUNDARY EXISTING LICENSED AREA \_ \_ \_ \_ \_ \_ \_ LOT LINE REGULATORY SETBACK AND LIMIT OF EXTRACTION LINE WATERCOURSE \_ \_ 285 \_ \_ EXISTING 5m CONTOUR LINE EXISTING BUILDING \_ \_ 284 \_ \_ EXISTING 1m CONTOUR LINE HP EXISTING HYDRO POLE EXISTING SPOT ELEVATION DIRECTION OF SURFACE WATER DRAINAGE EXISTING GATE/FARM EXISTING VEGETATION ACCESS EXISTING WETLAND MONITORING WELL MW18-05 LOCATION AND NUMBER INSTALLED BY GOLDER JUNE AND DECEMBER 2018 AREA STRIPPED OF TOPSOIL AND OVERBURDEN MINI PIEZOMETERS INSTALLED BY GOLDER EXTRACTION FACE JUNE AND DECEMBER BERM (MIN. HEIGHT AS SHOWN) ENTRANCE/ EXIT UNDISTURBED AREA DIRECTION OF EXTRACTION DIRECTION OF TOPSOIL AND OVERBURDEN MOVEMENT LOCATION OF SECTION PRODUCT TRANSPORTATIO SILT/EXCLUSION FENCE VIA HAUL ROAD PROPOSED MARKER POST LOCATION OF NOISE RECEPTOR PROPOSED VEGETATION

#### SITE PLAN OVERRIDE (VARIANCE) THE FOLLOWING CONDITIONS ILLUSTRATED ON THESE PLANS VARY FROM THE OF THE PROVINCIAL

STANDARDS MADE UNDER THE AGGREGATE RESOURCES ACT						
ITEM	SECTION					
NO FENCING REQUIRED ALONG WEST AND NORTH BOUNDARIES - ADJACENT LANDS LICENSED BY LICENCEE, AND ALONG WETLAND PORTION OF EAST BOUNDARY - SITE IS INACCESSIBLE DUE TO TERRAIN.	0.13(3)a					
SETBACK IS REDUCED TO 0m ALONG THE WEST AND NORTH BOUNDARIES - ADJACENT LANDS LICENSED BY LICENSEE.	0.13(1)10i					
STOCKPILES MAY BE LOCATED WITHIN 30m OF THE WEST AND NORTH BOUNDARIES - ADJACENT LANDS LICENSED BY LICENSEE.	0.13(1)13i					
THERE SHALL BE NO GATE AT ACCESS POINTS FROM ADJACENT LICENCE No. 6538 - ADJACENT LANDS LICENSED BY LICENSEE.	0.13(1)1					



NO. DATE REVISIONS OWNER HM WAR NO. DATE REVISIONS Pre Licence Review



2021 LICENSEE COMMENTS

Unionville, Ontario L3R 2E5 I: 905-294-8282 Fax: 905-294-762 www.harringtonmcavan.com



## **CBM Sunderland South Pit Expansion**

PART LOT 7 AND 8, CONCESSION 2

APPLICANT SIGNATURE: LICENCE No.

TOWNSHIP OF BROCK, REGION OF DURHAM

SUBMITTED FOR

NDMNRF APPROVAL Drawing Title

Project Number **OPERATIONAL** PLAN

Drawing Number

ssue Date JAN 2023

