

## OPERATIONAL PLAN NOTES:

## MAXIMUM AREA TO BE EXTRACTED:

1. THE AREA TO BE EXTRACTED IS 17.5 HECTARES.

## MAXIMUM TONNAGE LIMIT:

2. THE AMOUNT OF AGGREGATE TO BE REMOVED FROM THE SITE SHALL NOT EXCEED 750,000 TONNES/YEAR.
3. THE TOTAL COMBINED ANNUAL LIMIT FOR THE EXISTING LEWIS PIT (LICENCE NO. 3560) PLUS THE EXPANSION WILL NOT EXCEED 750,000 TONNES/YEAR.

## HOURS OF OPERATION:

4. EXTRACTION AND PROCESSING OPERATIONS SHALL ONLY BE DONE DURING THE DAYTIME (i.e. 7:00am TO 7:00pm)
5. SHIPPING WILL BE CONSISTENT WITH THE EXISTING LEWIS PIT (LICENCE NO. 3560) SHIPPING MAY OCCUR 24hrs/DAY, 7 DAYS/WEEK

## ENTRANCE AND EXIT:

6. ACCESS TO THE EXPANSION WILL BE BY AN INTERNAL HAUL ROAD THROUGH THE EXISTING LEWIS PIT, WITH SHIPPING THROUGH THE EXISTING ENTRANCE ONTO GEORGE JOHNSTON ROAD AS SHOWN ON DETAIL ON SHEET 1 OF 4.
7. AGGREGATE WILL BE DELIVERED TO THE MARKET USING SIMCOE COUNTY ROAD 28 (GEORGE JOHNSTON ROAD). IF REQUIRED, DELIVERIES TO THE LOCAL MARKET MAY ACCESS LOCAL MUNICIPAL ROADS. THE ENTRANCE/EXIT WILL BE GATED AND LOCKED WHEN THE PIT IS NOT IN USE.
8. THERE ARE THREE ENTRANCES/EXITS TO THE SITE FROM SEADON ROAD THAT WILL BE USED FOR PROPERTY MAINTENANCE ACCESS.

## PROPOSED FENCING:

9. A 1.2-METER-HIGH POST AND WIRE FENCE SHALL BE INSTALLED OR MAINTAINED ALONG GEORGE JOHNSTON ROAD, SEADON ROAD, AND THE EASTERN LICENSED BOUNDARY PRIOR TO EXTRACTION. THE FENCING SHALL CONFORM TO THE PROVINCIAL STANDARD OF THE AGGREGATE RESOURCES ACT AND SHALL BE MAINTAINED FOR THE LIFE OF THE PIT.
10. NO FENCING WILL BE INSTALLED ALONG THE NORTHERN BOUNDARY AS PER THE SITE PLAN VARIATIONS TABLE.

## PROPOSED SETBACKS:

11. APPROPRIATE SETBACKS SHALL BE MAINTAINED AS DRAWN ON THIS PLAN: 15 METERS ALONG THE EAST BOUNDARY, 30 METERS ALONG SEADON ROAD, 30 METERS ALONG GEORGE JOHNSTON ROAD, AND NO SETBACK IS REQUIRED ALONG THE NORTH BOUNDARY AS DETAILED ON THE SITE PLAN VARIATIONS TABLE.

## PHASING AND PIT DEVELOPMENT:

12. EXTRACTION WILL CONTINUE FROM THE EXISTING LEWIS PIT AND MOVE SOUTH AS SHOWN ON THE PLAN. THE AGGREGATE SEQUENCE OF THE PIT WILL CONSIST OF 4 PHASES AND WILL OCCUR IN THE SEQUENCE PROPOSED. THE EXTRACTION OPERATIONS WILL FOLLOW THE GENERAL DIRECTION OF THE ARROWS AS SHOWN UNTIL THE LIMIT OF EXTRACTION OF EACH PHASE IS REACHED.
13. THE PROCESSING AREA WILL FOLLOW THE ACTIVE FACE OF EXTRACTION OR BE LOCATED IN THE EXISTING LEWIS PIT.
14. DUE TO THE VARIABILITY OF THE AGGREGATE QUALITIES AND MARKET DEMANDS, EXTRACTION MAY OCCUR SIMULTANEOUSLY WITHIN TWO SEQUENTIAL PHASES. ONCE THE FIRST LIFT HAS BEEN ESTABLISHED, PROCESSING AND STOCKPILING MAY OCCUR ANYWHERE IN THE ACTIVE EXTRACTION AREA.
15. THE SITE WILL BE MAINTAINED AND OPERATED IN AN ORDERLY MANNER.
16. PHASE 4 WILL BE THE LAST PHASE TO BE EXTRACTED SO THAT A WILDLIFE CORRIDOR IS MAINTAINED ACROSS THE SITE DURING EXTRACTION. PHASE 4 WILL BE EXTRACTED AFTER REHABILITATION HAS BEEN COMPLETED ALONG THE WESTERN BOUNDARY, WHICH WILL PROVIDE AN ALTERNATE WILDLIFE CORRIDOR WHILE PHASE 4 IS BEING EXTRACTED.

## SITE PREPARATION, TOPSOIL AND OVERTURDEN STRIPPING:

17. PRIOR TO EXTRACTION, ALL TOPSOIL AND SUBSOIL SHALL BE STRIPPED AND STORED SEPARATELY IN STOCKPILES OR BERMS ALONG THE SOUTH, EAST AND WEST BOUNDARIES. THIS TOPSOIL AND SUBSOIL IS TO BE USED TO REHABILITATE THE PIT.
18. TOPSOIL AND SUBSOIL STOCKPILES SHALL BE SEEDED WITH A GRASS/LEGUME MIXTURE TO PREVENT EROSION AND DUST. THE VEGETATION SHALL BE MAINTAINED TO PREVENT UNSIGHTLY WEED GROWTH.
19. ALL TREES MAY BE HARVESTED AND SOLD AS LUMBER AND/OR FIREWOOD. STUMPS SHALL BE BURNED AND/OR STORED WITHIN THE LICENSED AREA UNTIL REQUIRED

FOR REHABILITATION.  
20. PRIOR TO EXTRACTION, CLEARING AND GRUBBING OF TREES SHALL TAKE PLACE AS REQUIRED.

## EXTRACTION LIFTS:

21. EXTRACTION OF AGGREGATE WILL BE CONDUCTED IN 6 TO 8 LIFTS DEPENDENT ON AGGREGATE QUALITY AND TYPE AND SIZE OF EXCAVATION EQUIPMENT. MAXIMUM HEIGHT OF EACH LIFT WILL BE 8 METERS AND SHALL BE OPERATED IN COMPLIANCE WITH THE MINISTRY OF LABOUR (MOL) REQUIREMENTS (MAXIMUM HEIGHT OF 1.5M ABOVE THE REACH OF EQUIPMENT USED FOR REMOVAL OF AGGREGATE).

## BERMING:

22. NEW CONSTRUCTION WILL BE ESTABLISHED AS SHOWN ON THE SITE PLAN AND DESIGNED ACCORDING TO THE SPECIFICATIONS NOTED IN THE NOISE MITIGATION MEASURES RECOMMENDATIONS (SHEET 4 OF 4).
23. ALL BERMS SHALL BE SEEDED WITH GRASS/LEGUME MIXTURES TO PREVENT EROSION AND DUST FROM LEAVING THE SITE.

## AGGREGATE STOCKPILING:

24. TEMPORARY STOCKPILES WILL BE LOCATED IN THE ACTIVE AREA AS REQUIRED BUT WILL REMAIN AT LEAST 30 METERS AWAY FROM THE LICENSE BOUNDARY EXCET ALONG THE NORTH BOUNDARY AS DETAILED IN THE SITE PLAN VARIATIONS TABLE.
25. MULTIPLE PIT FACES MAY BE OPERATED SIMULTANEOUSLY AS THE PIT AREA EXPANDS AND THE PIT FLOOR ALLOWS FOR STOCKPILING OF AGGREGATE PRODUCTS.

## EQUIPMENT:

26. EQUIPMENT TO BE USED ON SITE MAY INCLUDE, BUT NOT LIMITED TO:

LOADERS	WOOD GRINDERS	CRUSHERS	PORTABLE ASPHALT PLANT
EXCAVATORS	TREE SPADE TRUCKS	CONVEYORS	PORTABLE CONCRETE READY-MIX PLANT
DOZERS	SCREENING PLANTS	AGGREGATE WASHING EQUIPMENT	
TREE HARVESTERS	FEED BINS		

## INTERNAL HAUL ROADS:

27. THERE IS AN INTERNAL ROAD ON THE EXISTING LEWIS PIT FROM THE ENTRANCE INTO THE PIT. INTERNAL HAUL ROADS WILL BE EXTENDED AS REQUIRED ONTO THE SITE INTO THE ACTIVE AREAS. INTERNAL HAUL ROADS MAY BE RELOCATED FROM TIME TO TIME.

## GROUNDWATER TABLE AND DEPTH OF EXTRACTION:

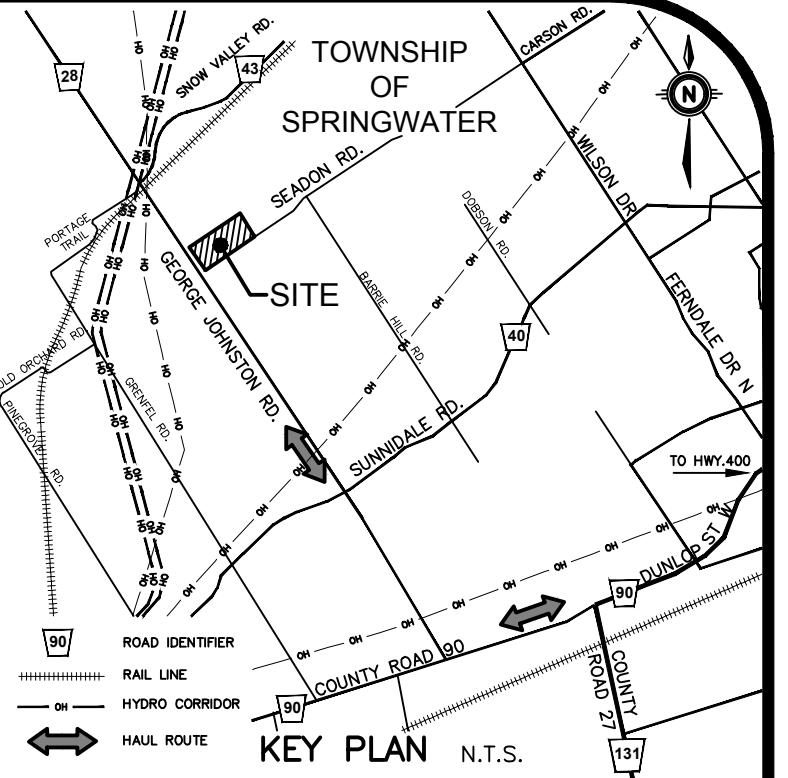
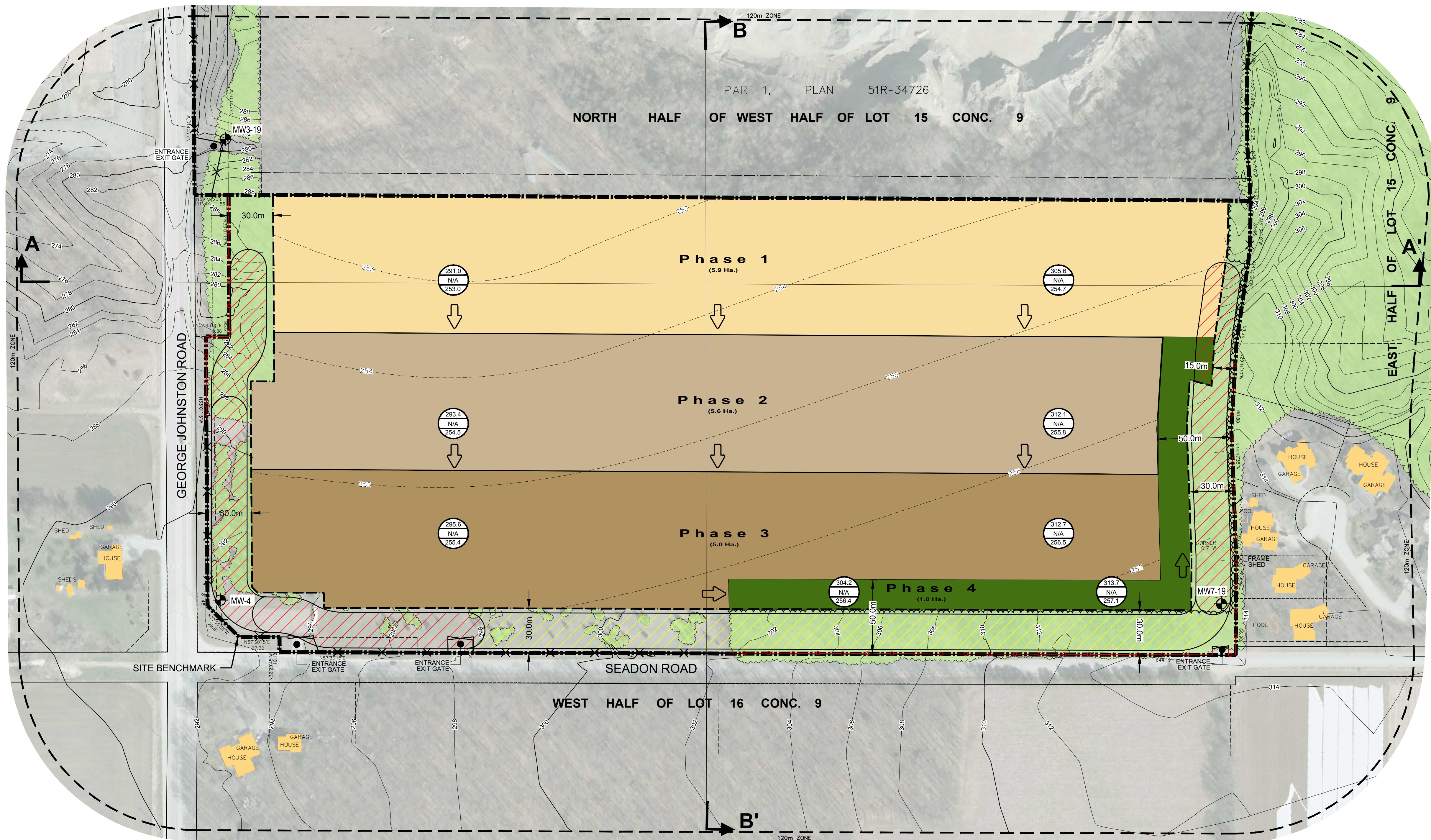
28. THE DEPTH OF EXTRACTION SHALL REMAIN 1.5 METERS ABOVE THE MAXIMUM WATER TABLE. GROUNDWATER LEVELS WILL BE MONITORED USING MONITORING WELLS INSTALLED AT THE LOCATIONS SHOW ON THE PLAN AND IN ACCORDANCE WITH THE HYDROGEOLOGY RECOMMENDATIONS.

## WATER DIVERSION/DISCHARGE:

29. NO PROPOSED SURFACE WATER DRAINAGE AND DRAINAGE FACILITIES ARE PROPOSED FOR THIS SITE. ANY WATER THAT IS CONTAINED BY THE PIT WILL INFILTRATE DOWN TO THE WATER TABLE.

## ESTABLISHMENT OF PERIMETER SLOPES:

30. PERIMETER SLOPES OR EMBANKMENTS WILL BE CREATED AS THE LIMITS OF EXTRACTION ARE REACHED.
31. NEW PERIMETER SLOPES OR EMBANKMENTS WILL BE CONSTRUCTED USING 3:1(MAX) SLOPES ALONG THE PIT FACES.
32. SLOPES WILL BE ESTABLISHED BY BACKFILLING WITH OVERTURDEN AND UNMARKETABLE AGGREGATE MATERIAL OR IMPORTED MATERIAL AND THEN GRADED PRIOR TO THE PLACEMENT OF THE TOPSOIL.
33. TOPSOIL WILL BE SPREAD (100mm THICK) TO GROW AND MAINTAIN A GRASS/LEGUME SEED MIXTURE SUITABLE FOR THE SOIL CONDITIONS TO PREVENT EROSION AND DUST.



**SITE BENCHMARK ELEV. = 293.06m**

TOP OF SIB LOCATED IN THE SOUTH WEST CORNER OF PROPERTY (AS SHOWN ON PLAN), ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE RTK SMARTNET NETWORK CGVD28:78

I ACKNOWLEDGE AND SHALL CARRY ON THE OPERATION OF THIS SITE IN ACCORDANCE WITH THE SITE PLAN UPON WHICH MY LICENSE IS BASED.

March 16, 2022

David W. Kennedy

SITE PLANS APPROVED BY:

MINISTRY OF NORTHERN DEVELOPMENT, MINES, NATURAL RESOURCES AND FORESTRY

**DECLARATION OF PURPOSE**

THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENSE PIT ABOVE WATER.

**SITE PLAN VARIATIONS**

8. 7. 6. 5. 4. 3. Stockpiling may be located within 30m of the northern licensed boundary. 0.13(1)(i). 2. Relief from fencing along north boundary. 0.13(3)(a) 1. Zero setback along North boundary. 0.13(1)(i). 1. Licensee owns abutting lands. 0.13(1)(i).

No. VARIATION [ ]

**SITE PLAN AMENDMENTS**

8. 7. 6. 5. 4. 3. 2. 1. No. REVISION [ ] BY YYYY-MM-DD

**MTE**  
Engineers, Scientists, Surveyors

519-743-6500

  
David W. Kennedy

**CLIENT**

GALIBIER MATERIALS INC.

151 Whitehall Drive

Markham, ON

**PROJECT**

LEWIS PIT EXPANSION

WEST 1/2 OF LOT 15, CONCESSION 9,  
TOWNSHIP OF SPRINGWATER (FORMERLY VESPA TOWNSHIP),  
COUNTY OF SIMCOE, ONTARIO

**DRAWING**

**OPERATIONAL PLAN**

Project Manager J.FLANAGAN	Project No. 40318-400
Design By JBF	Checked By CJC
Drawn By WSS	Checked By JBF
Surveyed By J.D.BARNES	Drawing No. AR1.2
Date MARCH 2022	Scale 1:1500

Sheet 2 of 4