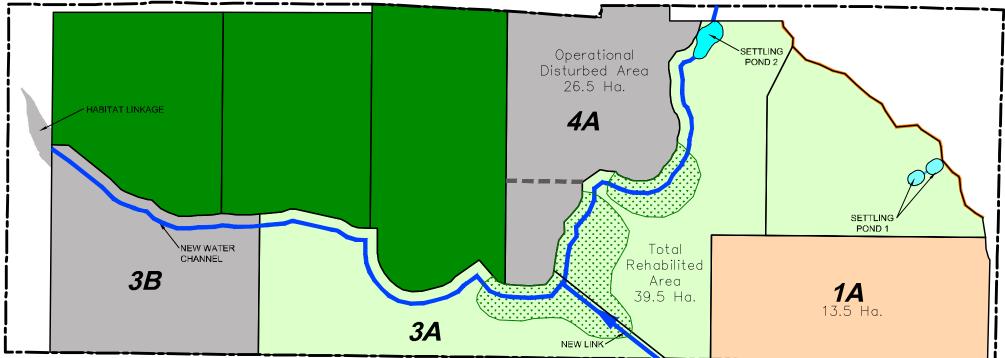
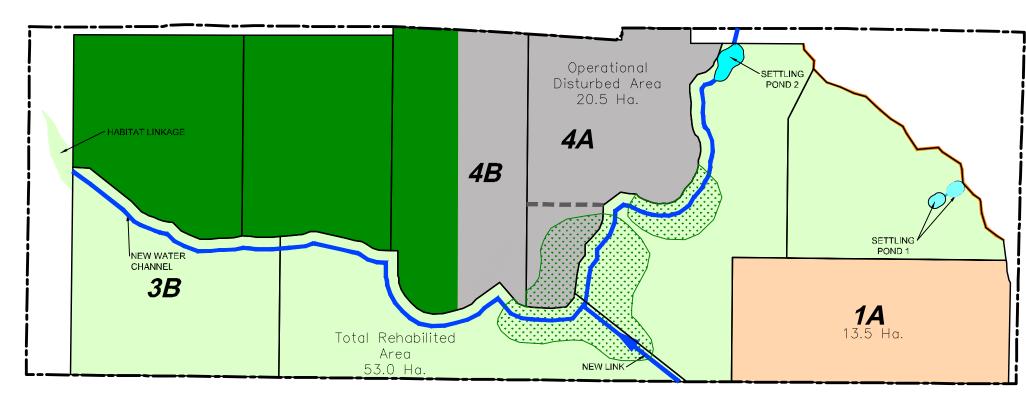
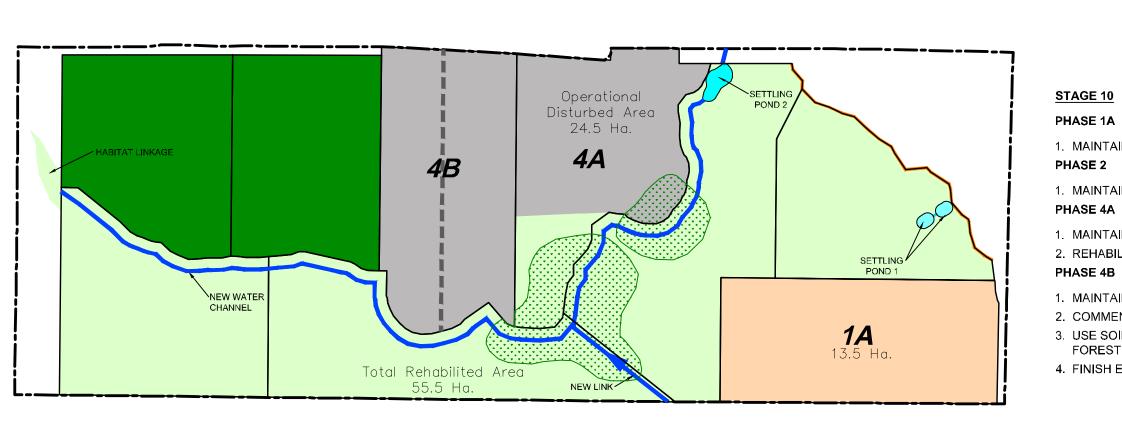


NEW WATER Operation *3B* sturbed Area 23.0 Ha.







STAGE OF OPERATION NOTES - DETAILED SEQUENCING

STAGE 6

PHASE 1A

1. MAINTAIN NOISE BARRIERS CONSTRUCTED IN PHASE 1A.

PHASE 2

1. REHABILITATION COMPLETE IN THE WEST PORTION OF PHASE 2. REHABILITATION INCLUDES OPEN FIELD MEADOW, FOREST AND WETLANDS.

2. MAINTAIN NOISE BARRIERS AS CONSTRUCTED (SEE DETAIL E ON SHEET 4 OF 8).

PHASE 3A/3B

- 1. COMMENCE CLEARING, TREE REMOVAL AND STRIPPING OF SOILS IN PHASE 3B.
- 2. USE SOILS REMOVED FROM PHASE 3B TO PROGRESSIVELY REHABILITATE THE SOUTH SECTION OF PHASE 3A TO CREATE AGRICULTURE, FOREST BLOCKS, AND ADDITIONAL WETLANDS ALONG THE WEST SIDE OF THE NEW DRAINAGE CHANNEL. ADDITIONAL MATERIALS SUCH AS UNMARKETABLE LIMESTONE, WOOD CHIPS AND IMPORTED CLEAN INERT FILL MAY BE REQUIRED FOR REHABILITATION.
- 3. PLANT TREES ON THE NORTH SIDE OF THE NEW DRAINAGE LINK ADJACENT THE NEW WETLAND TO FORM PART OF THE FOREST BLOCK.
- 4. FINISH EXTRACTION OF AGGREGATE IN THE NORTH PORTION OF PHASE 3A AND COMMENCE EXTRACTION IN PHASE 3B.
- 5. CONSTRUCT THE NEW DRAINAGE CHANNEL IN PHASE 3B.
- 6. CONSTRUCT A HABITAT LINKAGE IN THE 90-METER BUFFER AREA IN PHASE 3B.
- 7. LINK THE NORTH INLET OF THE SITE TO THE HABITAT LINKAGE AND NEW DRAINAGE CHANNEL.

STAGE 7

PHASE 1A

1. MAINTAIN NOISE BARRIERS CONSTRUCTED IN PHASE 1A.

PHASE 2

1. NOISE BARRIER ALONG THE EAST BOUNDARY OF PHASE 1B AND PHASE 2 CAN BE LOWERED TO 228.5 MASL AS SHOWN ON DETAIL E (SHEET 4 OF 8). PHASE 3A/3B/4A

- 1. CONSTRUCT THE NOISE BARRIER ALONG THE EAST BOUNDARY OF PHASE 4A AS SHOWN ON DETAIL E (SHEET 4 OF 8).
- 2. CONSTRUCT EQUIPMENT CROSSINGS OVER THE NEW DRAINAGE CHANNEL TO ACCESS PHASE 4A.
- 3. REHABILITATION COMPLETE IN THE SOUTH PORTION OF PHASE 3A. REHABILITATION INCLUDES AGRICULTURAL, FOREST AND WETLANDS.
- 4. COMMENCE CLEARING, TREE REMOVAL, AND STRIPPING OF SOILS IN THE WEST PORTION OF PHASE 4A THROUGH PHASE 4D.
- 5. USE SOILS REMOVED FROM THE WEST PORTION OF PHASE 4A TO PROGRESSIVELY REHABILITATE THE NORTH PORTION OF PHASE 3A TO AGRICULTURE AND FOREST. ADDITIONAL MATERIALS SUCH AS UNMARKETABLE LIMESTONE, WOOD CHIPS AND IMPORTED CLEAN INERT FILL MAY BE REQUIRED FOR REHABILITATION.
- 6. FINISH EXTRACTION OF AGGREGATE IN PHASE 3B AND COMMENCE EXTRACTION IN THE WEST PORTION OF PHASE 4A.

STAGE 8

PHASE 1A

1. MAINTAIN NOISE BARRIERS CONSTRUCTED IN PHASE 1A.

PHASE 2

1. MAINTAIN NOISE BARRIERS CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 2 AS SHOWN ON DETAIL E (SHEET 4 OF 8).

PHASE 3A

1. REHABILITATION COMPLETE IN THE NORTH PORTION PHASE 3A. REHABILITATION INCLUDES AGRICULTURAL AND FOREST. PHASE 3B/4A

1. MAINTAIN THE NOISE BARRIER CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 4A AS SHOWN ON DETAIL E (SHEET 4 OF 8).

- 2. COMMENCE CLEARING, TREE REMOVAL, STRIPPING OF SOILS IN THE EAST PORTION OF PHASE 4A.
- 3. COMMENCE REHABILITATION IN PHASE 3B USING SOIL FROM THE EAST PORTION OF PHASE 4A. ADDITIONAL MATERIALS SUCH AS UNMARKETABLE LIMESTONE, WOOD CHIPS AND IMPORTED CLEAN INERT FILL MAY BE REQUIRED FOR REHABILITATION.
- 4. PLANT TREES ALONG THE WEST BOUNDARY OF PHASE 3B TO CREATE FOREST.
- 5. FINISH EXTRACTION OF AGGREGATE IN THE WEST PORTION OF PHASE 4A.
- 6. COMMENCE EXTRACTION IN THE EAST PORTION OF PHASE 4A. DRILLING AND HAULING CANNOT OCCUR AT THE SAME TIME WITHIN THE HATCH AREA SHOWN ON DETAIL E (SHEET 4 OF 8) AS PER NOISE CONTROL RECOMMENDATIONS BY VALCOUSTICS CANADA LTD.

STAGE 9

PHASE 1A

PHASE 2

1. MAINTAIN NOISE BARRIERS CONSTRUCTED IN PHASE 1A.

1. MAINTAIN NOISE BARRIERS CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 2 AS SHOWN ON DETAIL E (SHEET 4 OF 8).

1. REHABILITATION COMPLETE IN PHASE 3B. REHABILITATION INCLUDES AGRICULTURAL AND FOREST BLOCKS.

PHASE 4A/4B

- 1. MAINTAIN THE NOISE BARRIER CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 4A AS SHOWN ON DETAIL E (SHEET 4 OF 8).
- 2. CONSTRUCT NOISE BARRIERS ALONG THE EAST BOUNDARY OF PHASE 4B AS SHOWN ON DETAIL E (SHEET 4 OF 8).
- 3. COMMENCE CLEARING, TREE REMOVAL, STRIPPING OF SOILS IN THE SOUTH PORTION OF PHASE 4B.
- 4. USE SOILS REMOVED FROM THE SOUTH PORTION OF PHASE 4B TO PROGRESSIVELY REHABILITATE THE WEST PORTION OF 4A TO OPEN FIELD MEADOW, FOREST, AND CONTINUE TO CREATE NEW WETLAND ALONG THE NORTH SIDE OF THE NEW DRAINAGE CHANNEL. ADDITIONAL MATERIALS SUCH AS UNMARKETABLE LIMESTONE, WOOD CHIPS AND IMPORTED CLEAN INERT FILL MAY BE REQUIRED FOR REHABILITATION.
- 5. FINISH EXTRACTION IN THE EAST PORTION OF PHASE 4A. COMMENCE EXTRACTION IN THE SOUTH PORTION OF PHASE 4B. DRILLING AND HAULING CANNOT OCCUR AT THE SAME TIME WITHIN THE HATCH AREA SHOWN ON DETAIL E (SHEET 4 OF 8) AS PER NOISE CONTROL RECOMMENDATIONS BY VALCOUSTICS CANADA LTD.

STAGE 10

1. MAINTAIN NOISE BARRIERS CONSTRUCTED IN PHASE 1A.

1. MAINTAIN NOISE BARRIERS CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 2 AS SHOWN ON DETAIL E (SHEET 4 OF 8). PHASE 4A

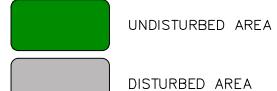
1. MAINTAIN THE NOISE BARRIER CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 4A AS SHOWN ON DETAIL E (SHEET 4 OF 8). 2. REHABILITATION COMPLETE IN THE WEST PORTION OF PHASE 4A. REHABILITATION INCLUDES FOREST, WETLAND AND OPEN FIELD MEADOWS.

PHASE 4B

1. MAINTAIN THE NOISE BARRIER CONSTRUCTED ALONG THE EAST BOUNDARY OF PHASE 4B AS SHOWN ON DETAIL E (SHEET 4 OF 8).

- 2. COMMENCE CLEARING, TREE REMOVAL, STRIPPING OF SOILS IN THE NORTH PORTION OF PHASE 4B.
- 3. USE SOILS REMOVED FROM THE NORTH PORTION OF PHASE 4B TO PROGRESSIVELY REHABILITATE THE EAST PORTION OF PHASE 4A TO OPEN FIELD MEADOWS AND
- FOREST. ADDITIONAL MATERIALS SUCH AS UNMARKETABLE LIMESTONE, WOOD CHIPS AND IMPORTED CLEAN INERT FILL MAY BE REQUIRED FOR REHABILITATION. 4. FINISH EXTRACTION IN THE SOUTH PORTION OF PHASE 4B AND COMMENCE REMOVAL OF AGGREGATE IN THE NORTH PORTION OF PHASE 4B.





REHABILITATED COMPLETELY

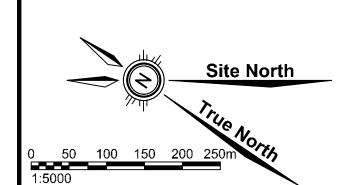


SILTATION CONTROL POND

NEW WETLAND

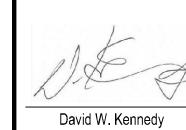
NEW WATER CHANNEL EXISTING WATER COURSE

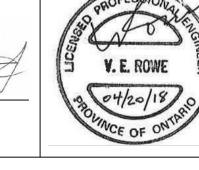
SILT FENCE



SITE PLAN AMENDMENTS

Engineers | Scientists | Surveyors www.mte85.com





DECLARATION OF PURPOSE THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENCE, CATEGORY 2.

CUMBERLAND QUARRY LICENSEE: SEVERN AGGREGATES LIMITED 151 WHITEHALL DRIVE, MARKHAM, ONTARIO

STAGES OF OPERATIONS

WEST HALF LOTS 12, 13 AND 14, CONCESSION 11 GEOGRAPHIC TOWNSHIP OF ORILLIA, NORTH DIVISION TOWNSHIP OF SEVERN, COUNTY OF SIMCOE

Project Manager J Flanagan	Project No. 33876-300
Design By	Checked By
Drawn By K.M / S.X.P	Checked By
Surveyed By	Sheet No.
Date April 24, 2018	-
Scale 1:7500	Sheet 7 of 8