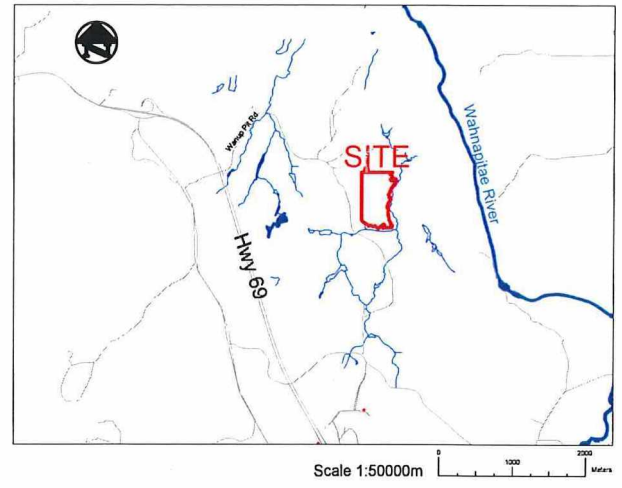




LEGEND
 — Boundary
 - - - Excavation Setback

Scale 1:3000m



Ministry of Natural Resources Approval

This site plan is prepared under the Aggregate Resources Act for a Class A Licence, Pit and Quarry Above the Ground Water Table.

Applicant: Ethier Sand & Gravel Ltd.

Signature _____

Date _____

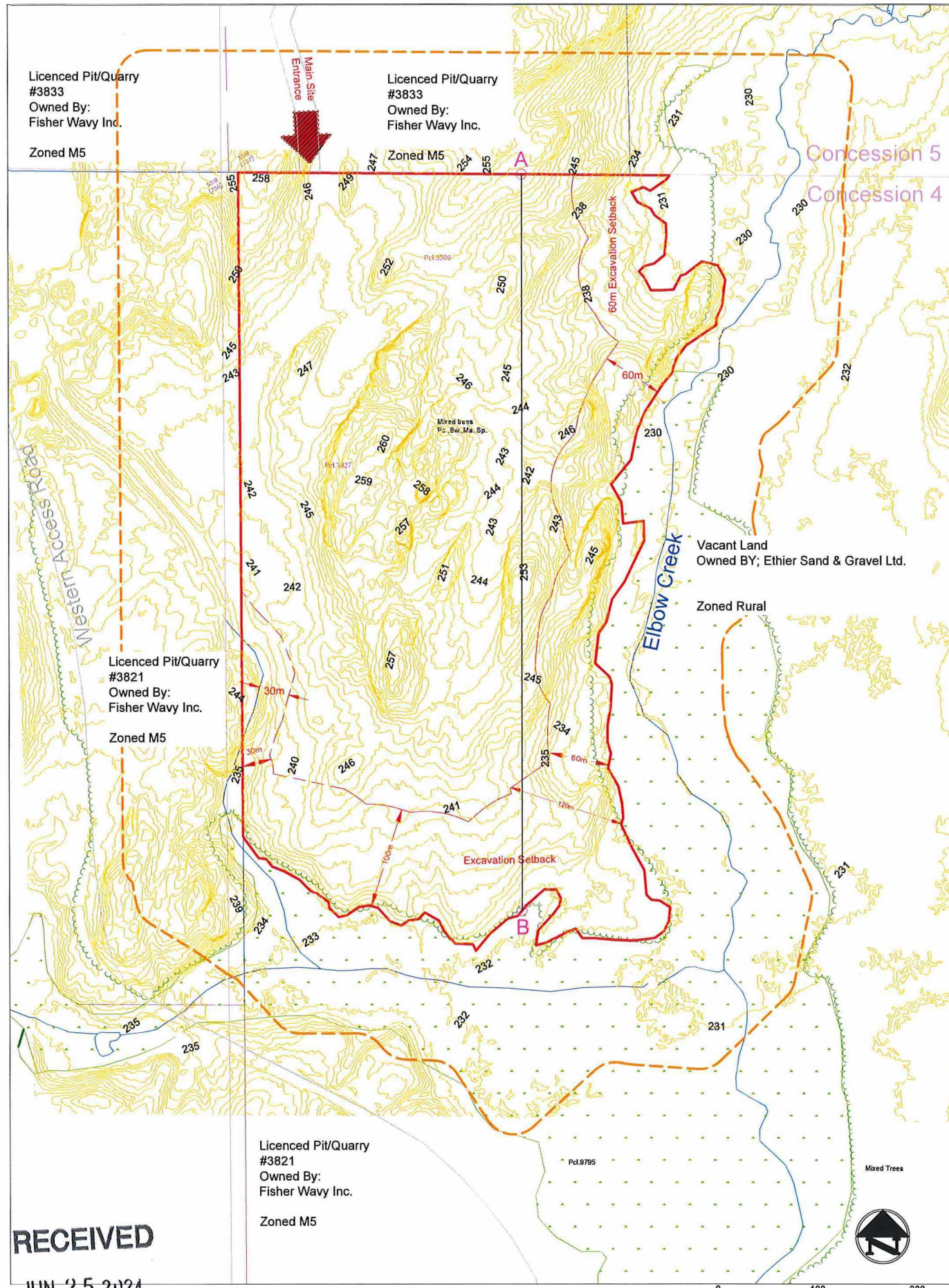
Dill License Expansion, Licence #
Satellite Imagery

Lot 3, Con. 4 & 5
 Dill Township
 City of Greater Sudbury

Licensee: Ethier Sand & Gravel Ltd. Sheet
 2589 Ida St. Sudbury, ON 1 of 4
 P3E 4W9

Jessica Sheppard, P. Eng
 Pioneer Construction Inc.
 175 Progress Rd., North Bay, ON
 (705) 497 6219

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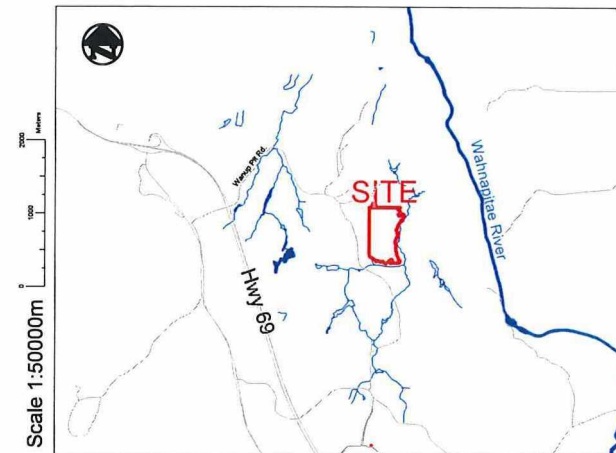
LEGEND

- License Boundary
- - - Excavation Setback
- Lot/Concession Line
- 275 Contour with Elevation (1mASL)
- - - 120m Area of Influence
- River/Stream
- Road
- Lake or Pond
- Wetland
- A—B Profile Line
- Gate
- Tree Line
- Direction of Drainage

Existing Features

Licensed Area 29.1 ha
 Area to be Excavated 18.8 ha

1. Site Plan References:
 Topographic Plan of Survey of Part of Lot 3, Concession 4, and Part of Lot 3, Concession 5 Geographic Township of Dill, City of Greater Sudbury, District of Sudbury, Tulloch Geomatics Inc., 2023
 LIDAR data, Tulloch Geomatics Inc., 2023
 Ontario Pit and Quarries Online, Ministry of Northern Development, Mines, Natural Resources and Forestry, Dill 3833
 Natural Environmental Report, Tulloch Environmental, February 28, 2023
 Land Information Ontario
 Roads, Lot Fabric, Geography
 Geowarehouse
 MNR Maps
 Bing Maps
2. The maximum predicted water table is estimated at * masl
3. The main entrance to the licence is as indicated on site plan. This licence will be accessed through licence #3833. An alternate entrance is also indicated as shown.
4. Elbow Creek is located South and East of the site and flows northeastward into the Wahnapiatae River. Elbow Creek is banked on either side by wetlands, and a small wetland is also located near the west boundary of the licence. As indicated on site plan an appropriate excavation setback has been assigned from the wetlands as was recommended in the Natural Environmental Report completed by Tulloch Environmental, February 28 2023
5. No significant human-made features on or within 120m of the site.
6. No existing buildings on site.
7. There is no existing surface water drainage or drainage facilities located on with 120 metres of the site. Water from the site drains naturally.
8. Tree cover is as indicated on site plan.
9. No existing fences.
10. No existing stockpiles of topsoil/ overburden.
11. Existing Cross-section located on next page
12. No existing features on site.



Ministry of Natural Resources Approval

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Applicant: Ethier Sand & Gravel Ltd.

Signature _____
 Date _____

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Drawing by: Jessica Sheppard
 Revisions by:
 Revisions by:
 Revisions by:
 Checked by: Vanessa Felix

Dill License Expansion, Licence # Existing Features

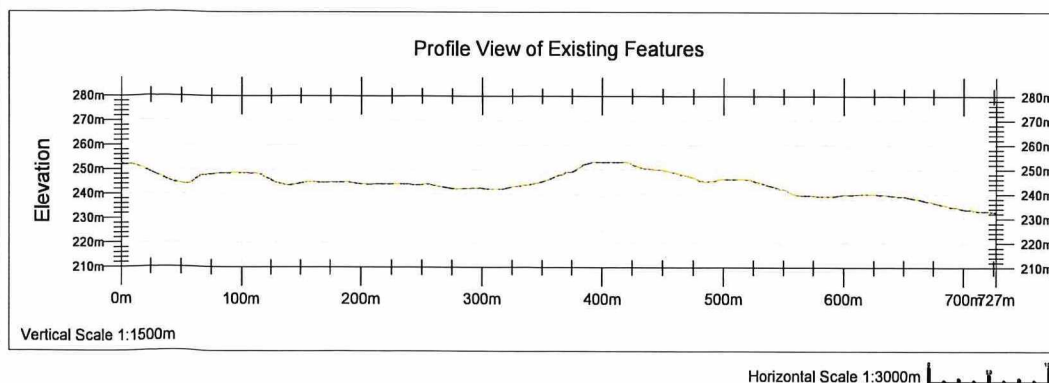
Lot 3, Con. 4 & 5
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Licensee: Ethier Sand & Gravel Ltd.
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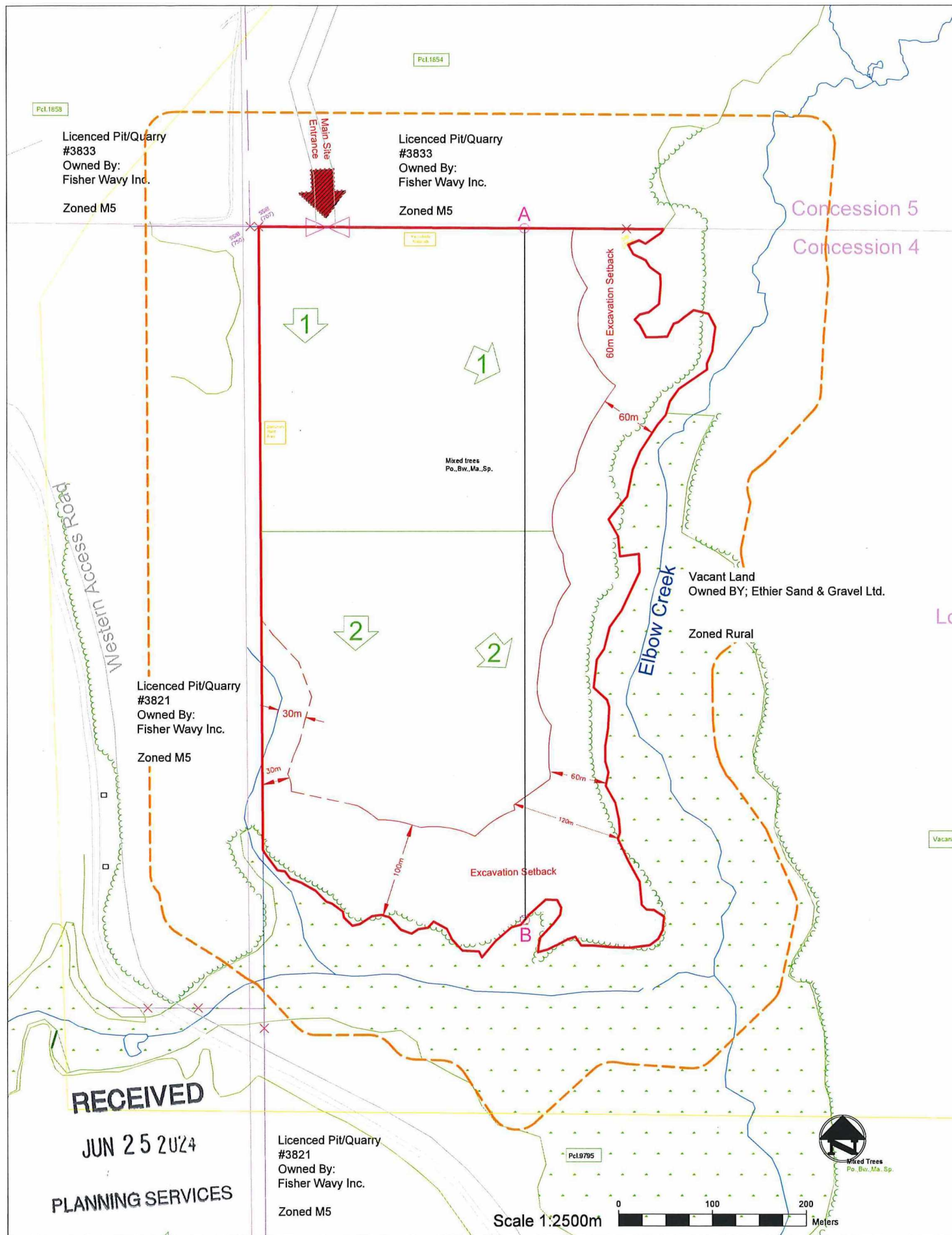
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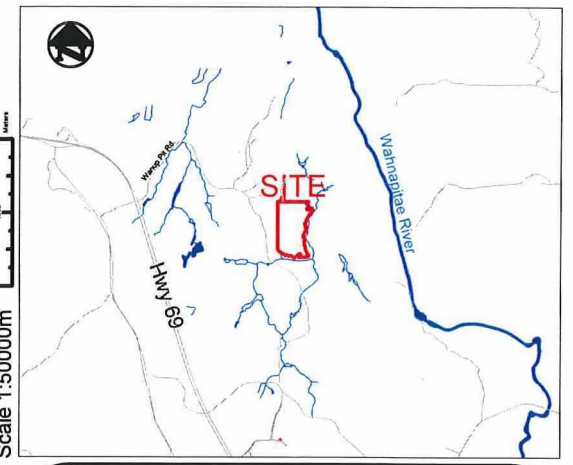
JUN 25 2024



- LEGEND**
- License Boundary
 - Excavation Setback
 - Lot/Concession Line
 - 275 Contour with Elevation (1mASL)
 - 120m Area of Influence
 - River/Stream
 - Road
 - Lake or Pond
 - Wetland
 - Profile Line (A-B)
 - Gate
 - Direction of Drainage
 - Operational Boundary
 - Direction of Pit/Quarry Operations

Operational Features

- Area to be extracted is 18.8 ha. +/-
- No fencing is proposed. The licensee shall ensure that the boundary is marked in a manner that will permit immediate identification to the inspector at all times.
- At any point during the operation:
 - A temporary scale and scale house may be constructed on the site
 - A scrap storage area has been indicated on site plan
 - Topsoil, subsoil and/or overburden will be stockpiled at various locations within the boundary of the license area, including the setback area. All topsoil found on the site will be saved and used for pit rehabilitation. All aggregate stockpiles will be temporary. Aggregate stockpiles will generally be located in close proximity to the working face on the pit floor. Stockpile areas will vary depending on the sequence of development and will be located close to the working face.
 - Internal haul roads will vary throughout the life of the pit/quarry according to extraction operations.
- Temporary processing plants will move throughout the site as they will be located in proximity to the active extraction face. Should a stationary processing plant be established it will be located in the area indicated on site plan.
- Stockpiles of recyclable materials and recycling of inert material asphalt and cured concrete will be permitted on this site. Material will be brought on site and stored in area indicated on site plan for recycling purposes and utilized on an ongoing basis.
- The pit will be developed from the northern licence boundary southward to the setback limits. Sequences of development may vary depending on quality of material extracted and market needs. Material may be blended from other locations in the pit or quarry to obtain the required specifications for material.
- Topsoil, subsoil and/or overburden will be stockpiled at various locations within the boundary of the license area, including the setback area. All topsoil found on the site will be saved and used for pit rehabilitation. All overburden piles will be sloped and allowed to re-vegetate naturally.
- In pit operations, extraction will be in a benched manner, where required. Benches will be 6 to 8 m in height, depending upon the size of the loader working the pit face. The maximum number of lifts will be 4.
In quarry operations, benches will be a maximum of 20m with a maximum number of 4 lifts.
- No water diversion is proposed. Surface water will drain naturally.
- No source water protection policies apply to site.
- No fuel storage will occur on the site.
- The final elevation of the site will be **** masl.
- No berms are proposed.
- Operations will consist of normal pit and quarry extraction. Equipment to be used on the site will include, but not be limited to: Excavators, loaders, crushers, dozers and trucks. Portable Plants - asphalt plant, redi-mix plant, aggregate processing plant, screening plant, stacker, conveyors, power plant, feed bins, brushing plant, tool trailer, and washing plants. Plants may move throughout the site in proximity to the extraction face.
- No tree screens are proposed.
- Hours of operation are 24 hours/day, 7 days/week.
- Where applicable, trees removed from the site will be used as firewood or for other applications if possible and stumps will be used in the final rehab of the site.
- Variations from standards are as follows:
 - RECYCLING - Material will be brought on site for recycling purposes and utilized on an ongoing basis. These materials will be stockpiled in segregated piles in the area identified on site plan.
 - Recyclable asphalt materials will not be stockpiled within:
 - 30m of any water body or man-made pond; or
 - 2m of the surface of the established water table
 - Any rebar and other structural metal must be removed from the recycled material during processing and placed in a designated scrap pile on site which will be removed on an on-going basis.
 - TOPSOIL - The topsoil, subsoil and other organic overburden is in inseparable layers and therefore will be stored together and saved for rehabilitation. Topsoil and overburden will be piled within extraction setback area.
 - FENCE - Fencing for identification purposes is not proposed. Fencing for public safety is not proposed. The licensee shall ensure that the boundary is marked in a manner that will permit immediate identification to the inspector at all times.
 - Annual Extraction is Unlimited.
 - Blasting will occur Mon-Fri between 7am-7pm.
 - No sensitive receptors are located within 500m of the proposed license.



Ministry of Natural Resources Approval

This site plan is prepared under the Aggregate Resources Act for a Class A Licence, Pit and Quarry Above the Ground Water Table.

Applicant: Ethier Sand & Gravel Ltd.

Signature _____

Date _____

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Drawing by: Jessica Sheppard

Revisions by:

Revisions by:

Revisions by:

Checked by: Vanessa Felix

Dill License Expansion, Licence #

Operational Features

Lot 3, Con. 4 & 5
Dill Township
City of Greater Sudbury

Licensee: Ethier Sand & Gravel Ltd.
2589 Ida St.
Sudbury, ON
P3E 4W9

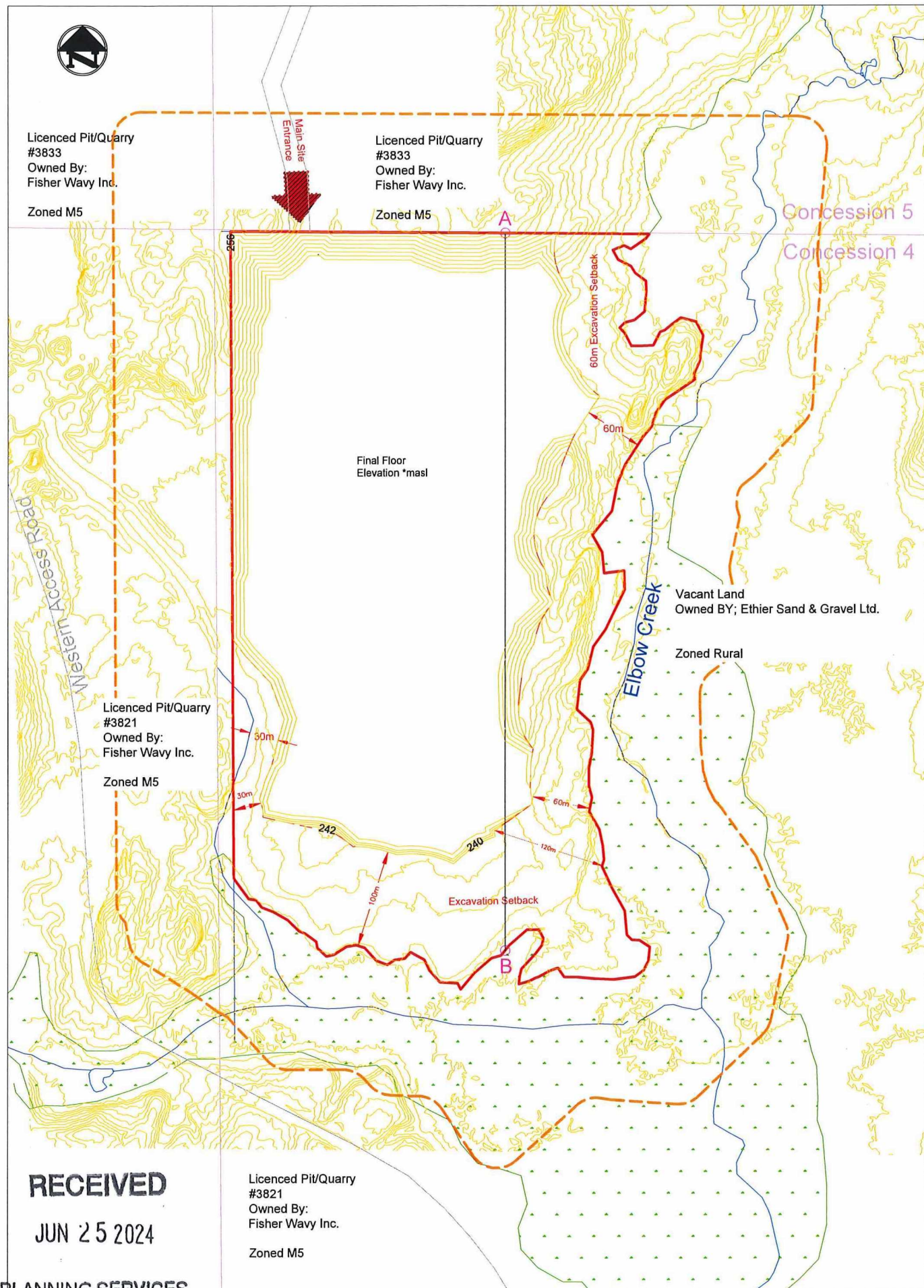
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3 of **4**

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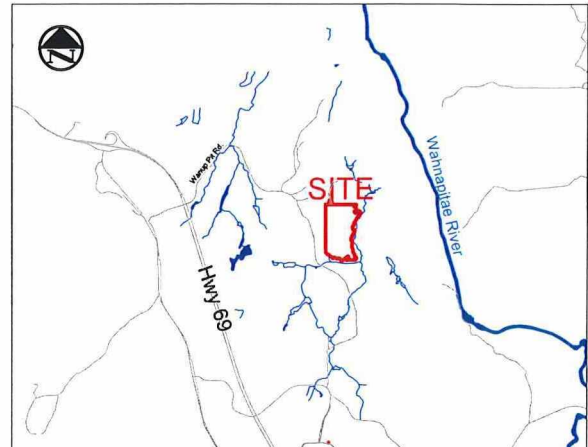
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PLANNING SERVICES



LEGEND

- License Boundary
- - - Excavation Setback
- Lot/Concession Line
- 275 Contour with Elevation (2mASL)
- - - 120m Area of Influence
- River/Stream
- Road
- Lake or Pond
- Wetland
- A—B Profile Line
- Gate



Scale 1:50000m

Progressive Rehabilitation

1. Where possible extraction will occur toward operational/license/extraction limits in order to provide for progressive and final rehabilitation.
2. Topsoil will be stripped and saved for rehabilitation.
3. No soil or topsoil is proposed to be imported.
4. Pit and Quarry Operations may proceed concurrently and independently of one another.
5. No internal haul roads are proposed to remain on site after final rehabilitation.
6. Surface water will drain from the rehabilitated pit by natural percolation.

PIT

4. Rehabilitation will begin on the excavated portion of the pit as it is mined out and rehabilitation will be conducted progressively.
5. Rehabilitation will include sloping the excavated face to at least 3 m horizontal for every 1 m vertical using materials from the pit.
6. The excavated and sloped areas of the pit will be covered with topsoil and or clay at a sufficient depth to sustain growth and will be allowed to vegetate naturally.

QUARRY

1. The excavated face of the quarry will be sloped and back filled with waste rock and oversize material.
2. Rehabilitation will include sloping the excavated face to at least 2 m horizontal for every 1 m vertical, using material from the pit and the quarry.
3. The required sloping of the quarry faces will be completed during each drilling and blasting operation.

Final Rehabilitation

1. Sloped areas of the pit/quarry will be covered with topsoil/overburden/clay and allowed to re-vegetate naturally.
2. Surface water will drain through the pit/quarry floor through natural percolation.
3. It is proposed that the site may be developed when land values permit, to residential use.
4. Upon final excavation of the pit/quarry, if a scale is present, it will be removed and this area rehabilitated.
5. Total area for rehabilitation: 18.8 hectares

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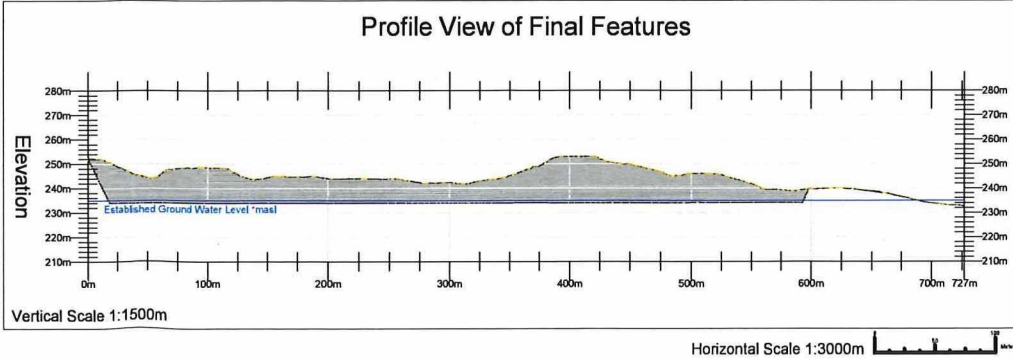
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Drawing by: Jessica Sheppard
 Revisions by: _____
 Revisions by: _____
 Revisions by: _____
 Checked by: Vanessa Felix



Dill License Expansion, Licence # Rehabilitation Features

Lot 3, Con. 4 & 5
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 City of Greater Sudbury

ETHIER SAND & GRAVEL

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Scale 1:2500m