

NAME OF UNDERTAKING:

Cabot Ready Mix Limited, Rock and Gravel Quarry, 1.2km NE of Emerald Vale

PROPONENT:

- (i) Name of Corporate Body: Cabot Ready Mix Limited
- (ii) Address: P.O. Box 14091 Stn. Manuels, C.B.S., NL, A1W 3J1
- (iii) Chief Executive Officer:

Name: William Weir
Official Title: Director
Address: P.O. Box 14091
Station Manuels
Conception Bay South, NL
A1W 3J1
Telephone No. (709) 368 – 4081

- (iv) Principal Contact Person for purposes of environmental assessment:
Name: Greg Fitzgerald
Official Title: P. Eng.
Address: Unit 102 - 1539 Topsail Road
Paradise, NL
A1L 1R3
Telephone No. (709) 221 – 4877

THE UNDERTAKING:

- (i) Nature of the Undertaking: Sand and Gravel Quarry Development,
- (ii) Purpose/ Rationale/ Need for the Undertaking:

To provide a source for concrete sand and aggregates for the continued operation of Cabot Ready Mix Limited's ready mix concrete plant located near the Manuels Bypass Road / Trans Canada Highway intersection, St. John's. Cabot Ready Mix Limited currently operates two sand and gravel quarries located in Foxtrap on Incinerator Road. The existing sand and gravel reserves in these quarries will soon be depleted, and a new source is critical to the continued operation of the ready mix concrete plant. Cabot ready Mix Limited supplies ready mix concrete for sale in the St. John's Metropolitan Area. Sand and gravel suitable for the production of concrete is very limited in the St. John's Metropolitan area and in order to stay competitive it is very important for us to maintain a supply at a similar distance to that of our competitors supply. The alternative at present is to truck sand from the Terra Nova Area.

DESCRIPTION OF THE UNDERTAKING:

(i) Geographical Location:

The proposed quarry is located between Dawes Road & Mill Road in the Municipal Boundaries of the Town of South Brook. The location of the quarry is shown in Appendix A. Figure 1 shows the location of the property in relation to the Province of Newfoundland. Figure 2 shows mapping showing the location of the property in relation to the surrounding Communities of Emerald Vale & Springfield. Figure 3 shows the location of the property in relation to Hodgewater Line. Access will be provided via Dawes Road.

The area surrounding the proposed quarry consists of residential property to the south & east of the property, an existing quarry to the north of the property and vacant property to the west of the property. To the south of the property there is approximately 250M of vacant land (owned by Cabot Ready Mix) between the proposed property & residences and to the east of the property there is approximately 250M of vacant land (owned by Cabot Ready Mix) between the proposed property & residences.

(ii) Physical Features:

The undertaking will consist of a cleared and grubbed quarry area and access road with a total area of approximately 2 Hectares. The existing terrain in the proposed quarry area consists of lightly forested hills with the typical vegetation for the area, consisting of small trees, (spruce, fir, juniper, birch) with ground cover of moss, ferns, grasses, and shrubs. Wildlife in the general area includes snow shoe hare, moose, mink, and a variety of bird species.

(iii) Construction:

The construction phase for this quarry will be limited to the actual clearing and grubbing of the quarry site as the quarry development progresses. The quarry area would be cleared and grubbed in stages as required to access the underlying aggregates. All topsoil from the quarry area will be stockpiled on site for use in restoring the quarry site upon completion of the aggregate removal.

Potential sources of pollutants during the construction phase would be limited to exhaust from heavy equipment used to clear and grub the site, (excavator, loader, tandem trucks), as well as minimal risks of fuel spillage during fueling operations. There would also be potential for siltation from water runoff during grubbing and excavation operations. This will be controlled by the use of settling

ponds, and or filter fabric. Potential spills will be prevented from entering the nearby water bodies with the use of spill kits.

Other potential sources of pollutants during the operation of the quarry would be noise and dust pollution. The nearest residential area is approximately 0.5 km from the proposed property. Noise will be controlled by the use of a permanent dense tree line between the residence and the quarry operation. Dust Pollution will be controlled with the use of water trucks to prevent dust from the gravel roads travelling to surrounding areas.

(iv) Operation:

The operation of the quarry will consist of excavation and removal of sand and gravel deposits from the quarry area using excavators and loaders, with the excavated material being trucked to Cabot Ready Mix's Concrete Plant at the Trans Canada Highway near the Manuels Bypass Road for crushing and washing to make concrete aggregates. The estimated period of operation of the quarry would be approximately five years.

Screening will take place on site but no washing will take place on site. All other crushing & washing will take place at Cabot Ready Mix's production facility located on the Trans Canada Highway near the Manuels Access Road/Trans Canada Highway Overpass.

Potential sources of pollutants during the operation phase would be limited to exhaust from heavy equipment used to excavate and load the sand and gravel, (excavator, loader, semi dumps), as well as minimal risks of fuel spillage during fueling operations.

There would also be potential for siltation from water runoff during grubbing and excavation operations. This will be controlled by the use of settling ponds, and or filter fabric.

(v) Occupations:

The occupations anticipated for this undertaking, as per the 2001 National Occupational Classification 2001, are as follows.

7411 – Truck Driver, Maximum of six required.

7421 – Heavy Equipment Operator, 2 required.

7611 - Construction Laborer, 2 required.

(vi) Project- Related Documents:

No other documents generated.

APPROVAL OF THE UNDERTAKING:

The main permit required for this undertaking is a Quarry Permit, to be issued by the Government of Newfoundland and Labrador, Department of Natural Resources, Mineral Lands Division. The Department of Natural Resources has referred the application to various other Departments including, Environment and Conservation, Transportation and Works, Crown Lands, and the City of St. John's, for approval.

SCHEDULE:

The earliest start date for project construction would be July 1st, 2018 due to this being the likely earliest date that permits and approvals would likely be in place.

The latest date would be December 1st, 2018, which would be dictated by the onset of winter weather.

FUNDING:

This undertaking does not depend upon any grant or loan of capital funds from any government agency.

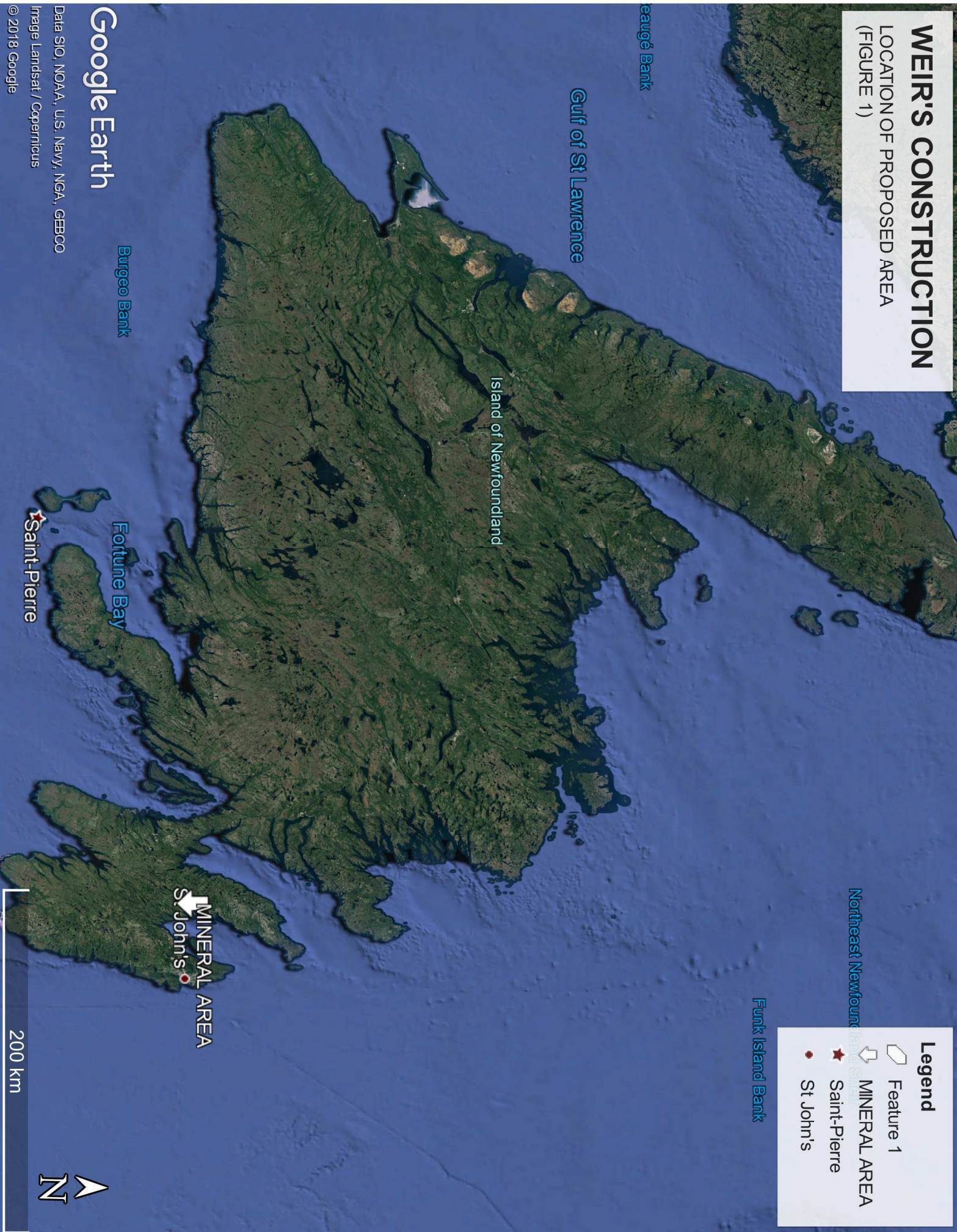
Aug 15/18
Date

William Weir
William Weir, Director

APPENDIX A

WEIR'S CONSTRUCTION

LOCATION OF PROPOSED AREA
(FIGURE 1)



Legend

- Feature 1
- MINERAL AREA
- Saint-Pierre
- St John's

Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus
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200 km

WEIR'S CONSTRUCTION

LOCATION OF PROPOSED AREA
(FIGURE 2)



Google Earth

Data: SIO, NOAA, U.S. Navy, NGA, GEBCO

Image © 2018 DigitalGlobe

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Legend

- Feature 1
- MINERAL AREA
- Saint-Pierre
- St John's

10 km



WEIR'S CONSTRUCTION

LOCATION OF PROPOSED AREA
(FIGURE 3)



Springfield

The Broads

Cottage Pond

South Pond

Emerald Vale

MINERAL AREA

Legend

- Feature 1
- MINERAL AREA
- Saint-Pierre
- St John's



1 km



Google Earth

Image © 2018 DigitalGlobe

WEIR'S CONSTRUCTION

LOCATION OF PROPOSED AREA
(FIGURE 4)

Legend

-  ACCESS ROAD
-  MINERAL AREA



Google Earth

Image © 2018 DigitalGlobe

200 m