

Environmental Registration – File 200.20.2313

Name of Undertaking: Peter's Arm Aggregate Quarry

Proponent:

- i) **Name:** D. Byrne & Sons Ltd.
- ii) **Address:** P.O. Box 383, Botwood, NL, AOH 1E0
- iii) **CEO:**
 - a. **Name:** Peter Byrne
 - b. **Official Title:** Owner/Manager
 - c. **Address:** P.O. Box 234, Botwood, NL, AOH 1E0
 - d. **Telephone No:** (709)486-2327 (Cell)
- iv) **Principal contact person for purposes of environmental assessment:**
 - a. **Name:** As above

The Undertaking:

- i) **Nature of the Undertaking:** Development of a 10 hectare sand and gravel pit site located 500 meters from Route 350
- ii) **Purpose of Undertaking:** Supplying aggregate to Botwood and surrounding area

Description of the Undertaking:

- i) **Geographical Location:**
 - a. 500 meters from Route 350
 - b. **Coordinates:**
 - NAD 27 UTM ZONE 21
 - 1) E=616980.132 N=5440572.841
 - 2) E=617003.083 N=5440324.664
 - 3) E=616783.394 N=5440274.538
 - 4) E=616765.100 N=5440472.372
 - 5) E=616737.109 N=5440263.977
 - 6) E=616612.121 N=5440168.933
 - 7) E=616486.004 N=5440291.465
 - 8) E=616575.866 N=5440383.957
 - c. **Maps Attached:** One NAD 27 UTM Zone 21 topo map showing greater detail of surrounding area.

- d. Potential sources of pollutants would include fuel spills, brake line ruptures, air emissions from exhausts, and noise pollution from the crushing spread.
- ii) Physical Features:
 - a. The proposed quarry will not involve any large structures to be placed on site – a portable crushing spread would be placed on site which may include portable trailers such as a spare parts and control trailer. There will not be any need for new roads, as access to the site already exits off Route 350 which is adjacent to the site. There would be no fuel stored in bulk on site; nor would there be any drilling, blasting, or washing of any aggregate.
 - b. The greater area surrounding this operation is known as the North-Central Sub-region. It is the second largest ecoregion and characterized by a continental climate, boreal forests, domed bogs, and rolling hills. In terms of vegetation, dwarf-shrubs, black and white spruce, balsam fir, and trembling aspen are common. In terms of wildlife, moose, snowshoe hare, muskrat, black bear, beaver, mink, and lynx are known to inhabit this area. The rivers in this region support Atlantic salmon, brook trout, stickleback, rainbow smelt, American eel, arctic char, and the unusual sea lamprey. There are few amphibians living in this area – the introduced green frog inhabits ponds and marshes in the area, although their numbers are few. Birds include gray jay, ruffed grouse, osprey, horned owl, hawk, siskin, crossbill, chickadee, American black duck, Canada goose, various thrushes and warblers, crow, robin, and herring gull. The area will need to be cleared of vegetation.
- iii) Construction: N/A
- iv) Operation:
 - a. The operation would consist of the crushing and screening of the aggregate with the purpose of supplying the local aggregate market. The topsoil will be stockpiled and spread over cleared areas after operation ceases.
 - b. Period of Operation: May to November, 2015
 - c. There will be no pollutants as a result of this operation, given the fact only crushing and screening is involved.
- v) Occupations:
 - a. Number of Employees: 3 during employed period of operation.
 - b. All three employees would be classified as heavy equipment operators.
 - c. Outsourced Work – N/A
- vi) Project Related Documents: N/A

Approval of the Undertaking:

- a) Quarry Permit – Issued by Provincial Department of Natural Resources

Schedule:

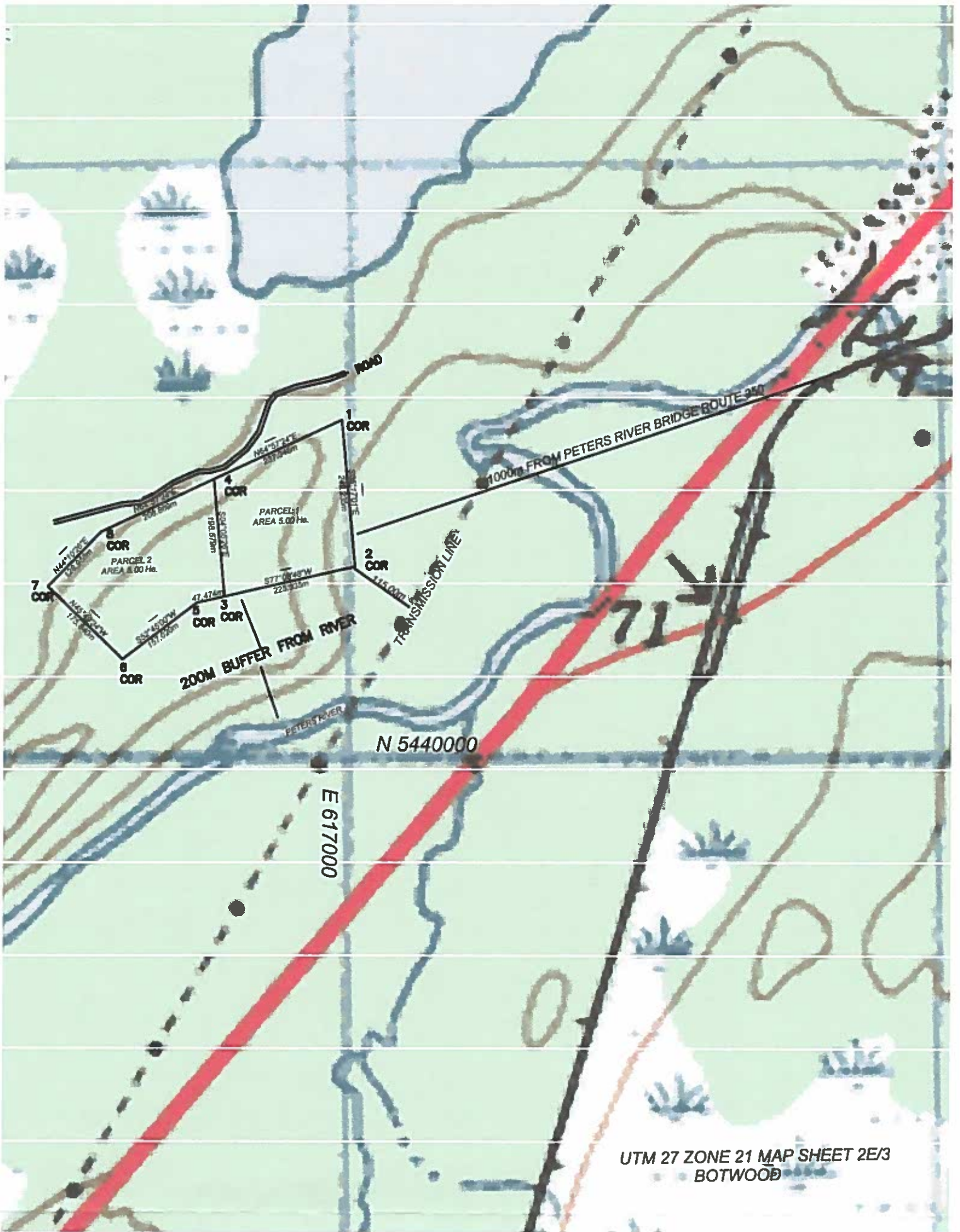
- a) This project would be weather-dependent with crushing/screening able to start after the ground thaws in the spring and continue to November.

Aug. 28/14

Date

Peter Byrne

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NAD 27 UTM ZONE 21

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D BYRNE AND SONS
QUARRY PERMIT APPLICATION