

**Environmental Assessment  
Registration Document**

**For**

**Sand Quarry off Foxtrot Access Road  
In the City of St. John's**

**Submitted to:**

**Minister of Environment and Conservation  
(Pursuant to Part X of the Environment Protection Act)**

**Submitted by:**

**City Sand and Gravel Ltd.  
P.O. Box 8333  
St. John's, NL.**

**December 23, 2010**

December 23/10

**Proponent:** (i) City Sand and Gravel Ltd.  
(ii) P.O. Box 8333  
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(iii) Robert O'Keefe  
Operations Manager  
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[citiesandandgravel@nf.aibn.com](mailto:citiesandandgravel@nf.aibn.com)

**Undertaking:** (i) The development of a sand quarry for trucking/shipment to our quarry operations on Topsail Road in Paradise for supply of various products to our customers in the St. John's and surrounding areas.

(ii) We presently produce various types of sand but it is all crushed from granite. There are some applications that require natural sand. Also, we need particular size # 40 sand in the production of asphalt.

**Description of Undertaking:**

**Geographical**

**Location** (i) The proposed site of the sand pit is off the Foxtrap Access Road. The pit is accessed by existing private dirt road located approximately 3 kilometers off the Foxtrap Access Road. The sand pit is located between Middle Bight Road and the Foxtrap Access Road, Route 61, and West of Gully Pond. The site is located in the City of St. John's and is 1.3 kilometers from the limits of the Town of Conception Bay South. The site is zoned "Forestry" under the City of St. John's Development Regulations. The zone allows mineral workings operations as a discretionary use. The application was recently advertised by the City of St. John's for public review, File # B-17-F.12.

The application to the city has since been revised to account for wetland drainage. The original size of the application was for 3.9 ha. and has now been revised to 1.8 ha. to avoid the wetland area. We accessed our original pit, Quarry Permit # 84207, from this road and this area is an extension from this quarry.

Approximate area applied for is 150m x 140m x 155m x 100m, 1.8ha (4.5 acres). The approximate location of entrance to the pit is Nad 27 Zone 22, map sheet 01N07, coordinates E 349615 N 5258705.

Physical Features

- (ii) The quarry area has trees/shrubs on it presently. These would be removed and the top layer of earth need to be grubbed off to access the sand underneath. There is some slightly boggy marshland on the east side of the quarry area. When the sand is exposed, our operation would involve screening off any oversized rock as we only require natural sand to be trucked to our present location on Topsail Rd. in Paradise. The operation would only screen what is required on a yearly basis and existing banks, approximately 30 feet high, would be sloped as we extend into the quarry. No stockpiles would be on site, as all screened material would be trucked away. No buildings would be constructed on site as these operations would only last 6 to 8 weeks per year and would only excavate approximately 5000 to 10,000 tonnes per season.
- Construction (iii) The sand would be excavated on an as needed basis, so the total construction period would probably be over approximately 20 years. I would estimate that on a yearly basis, we would be in the quarry for a 6 – 8 week period of time. Since there will be no crushing on site, there will not be a lot of equipment on site. Primarily we would need either a dozer or excavator and a screener to take out the rocks in the sand. After screening, it would be loading the sand into dump trucks, or semi-dumps to haul the material to our quarry on Topsail Rd. There would be an insignificant

amount of dust created in the hauling of material out of the quarry on to the Foxtrap Access Rd., but this will be monitored so as not to create a nuisance for residents. The first activity on the site would probably be spring 2011.

Operations (iv) As mentioned in section (iii), this is a very small scale operation and no permanent facilities would be constructed at this time. The operation would involve a loader or excavator, a screener and several trucks to haul the material to our quarry on Topsail Rd. The creation of some dust would probably be the only concern for the operation, but will be monitored so that it will not become a nuisance for nearby homes. The machinery used in the screening operations would be fuelled by our fuel supplier, presently Ultramar, on site by fuel truck. We will be hiring trucks that will be required to be in good working order. The nearest houses to our quarry would be approximately 3 kilometers away along Middle Bight Road and 2 kilometers away on the Foxtrap Access Rd. There should be no concern for run-off on either Nut Brook or Foxtrap River as both are 1 kilometer away.

Occupations (v) We estimate we would have approximately 2 operators in the quarry and then just truck operators.

Dozer Operator	NOC 7421-C
Loader Operator	NOC 7421-C
Truck Driver	NOC 7411-C

Depending on the demand, the seasonal operation would only last 6 – 8 weeks.

Many years ago, we used all our own equipment to excavate and haul material from the Foxtrap Access Rd. area. In more recent years, we hired people to either truck all material to us and we did screening or contracted one contractor to do all the work. For the area we are applying for now, I anticipate that we would clear the land ourselves with a dozer, and then

hire a contractor to screen and haul the sand to our operation. With regard to employment equity, we are an equal opportunity employer, and have no issues with having a female driver involved, as we currently have a female driver employed. With regard to age, we have people employed from 20 years old to 60 years old during our operating season.

#### Project Related Documents (vi)

The only documents related to this new application would be our previous quarry lease # 84207 for an adjacent quarry under the Department of Natural Resources.

#### Approval of the Undertaking

I believe we need to get approval from the City of St. John's along with a quarry Permit # 121816/File # 7119019 on June 15, 2010, Department of Natural Resources, Quarry Materials, Government of Newfoundland & Labrador. An application for Crown Land will be made to the Eastern Crown Lands office Upon approval.

#### Schedule

We would like to get this undertaking started in the spring of 2011, as we would just be bringing material our Topsail Rd. quarry. This would be an ongoing part of our regular business, and not for any one particular job, so we do not have exact dates in mind.

#### Funding

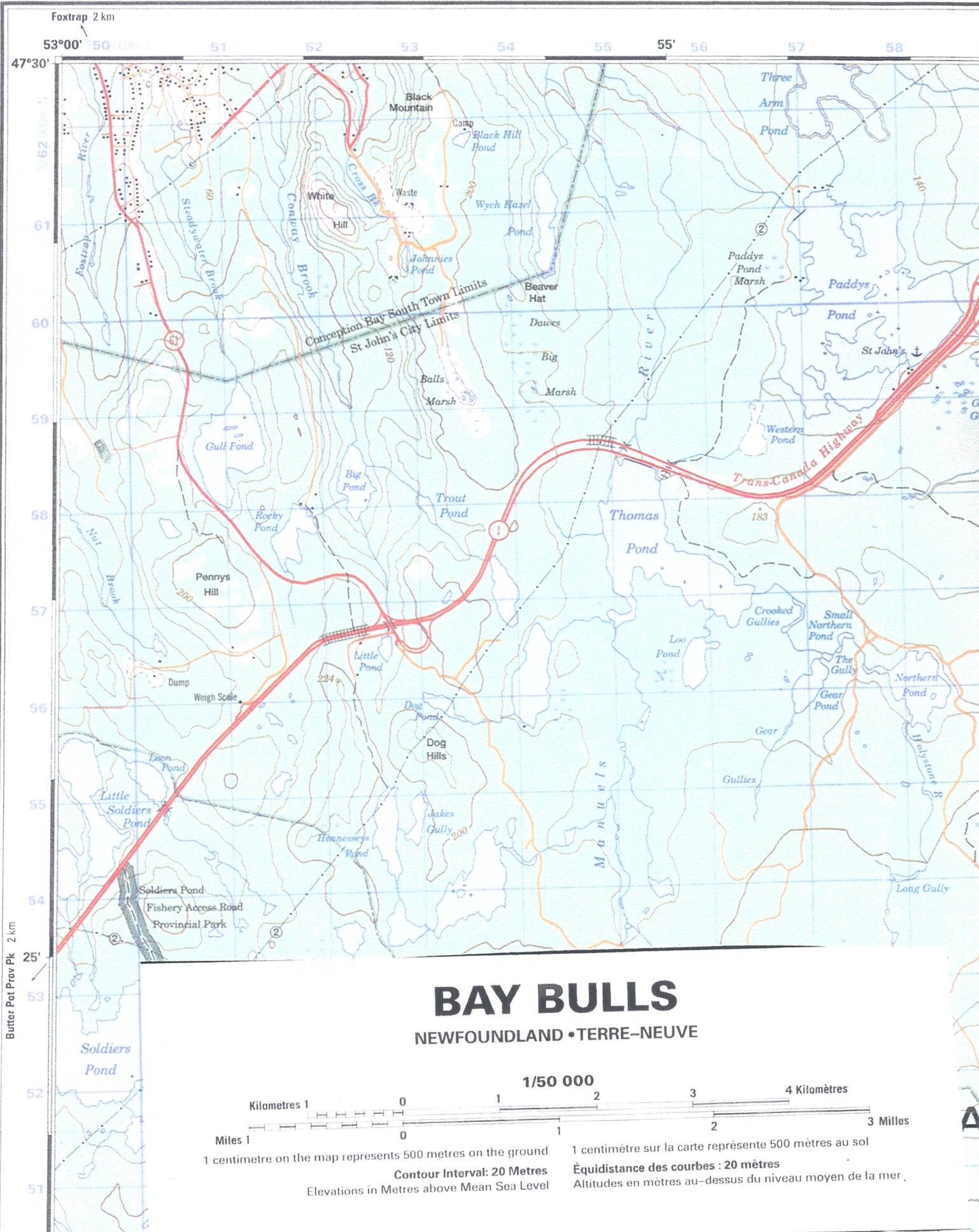
There is no funding required for this project from any level of government.

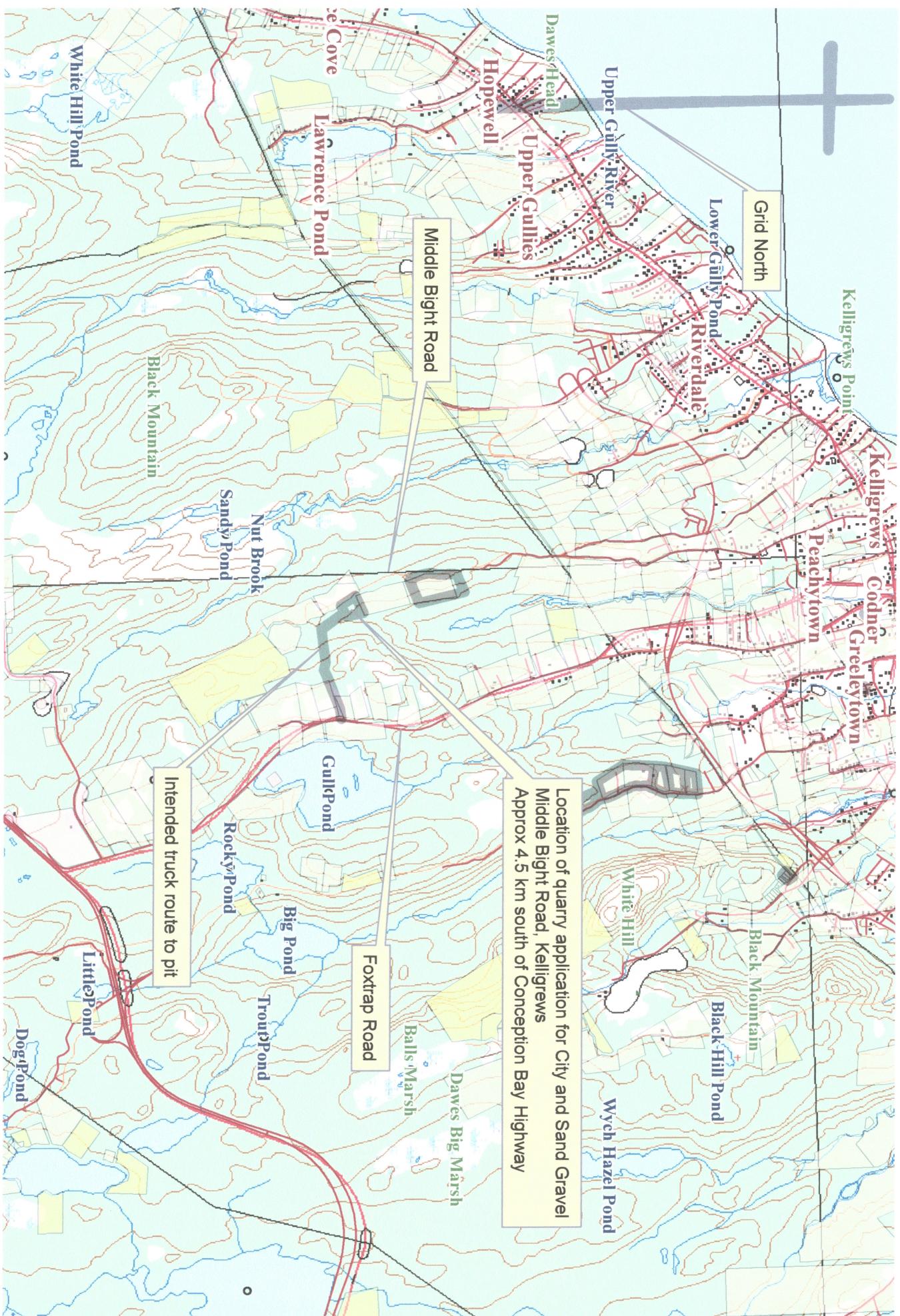
Dec 23 / 2010

Date

Robert Keeble

Signature





This aerial map shows a quarry area with several property boundaries and labels. The map includes the following labels:

- Area applied for
- Approximately 150 meters x 140 meters x 155 meters x 100 meters
- Approximately 1.8 ha (4.5 Acres)
- Location of entrance to pit applied for
- Nad 27 Zone 22 Map Sheet 01N07
- Co-ords E349615 N5258705
- Modern Paving Quarry
- Approximate boundaries
- Intended truck route
- Existing Road 66 feet wide
- Foxtrap Access Road
- Grid North
- 1st City Sand and Gravel Quarry
- Vol. 78202
- ed March 5, 1990
- Estimate boundaries
- HENRY A. BUTLER
- Vol. 97 Fol. 21
- ANDREW DANE
- Vol. 131 Fol. 106
- WALTER CABLE
- Vol. 119 Fol. 53
- CHESLEY CABLE
- Vol. 123 Fol. 101
- JACOB H CABLE
- Vol. 120 Fol. 116
- JOHN KENNEDY
- Vol. 123 Fol. 7
- HAROLD DELANEY
- Vol. 123 Fol. 46
- EDWARD KENNEDY
- Vol. 184 Fol. 69
- JAMES N HANES
- Vol. 158 Fol. 145
- WALTER BUTLER
- Vol. 131 Fol. 79
- Bight Road
- Access Road
- Foxtrap
- Foxtrap
- JOB SAMUEL TAYLOR
- Vol. 120 Fol. 124
- HENRY B FAGAN
- Vol. 123 Fol. 19
- MOSES KENNEDY
- Vol. 120 Fol. 122
- SAMUEL TAYLOR
- Vol. 68 Fol. 71