MAR 20040002: LUNDBRECK SANDSTONE

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ASSESSMENT REPORT
Metallic and Industrial Minerals Permit No. 9302010075

LUNDBRECK SANDSTONE PROJECT

PAT DWYER CONSTRUCTION INC.
P.O. BOX 38
LUNDBRECK, AB T0K 1H0

June 23, 2004

Re-submitted with requested modifications by: Pat Dwyer
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Attached:
Permit Location Map
## STATEMENT OF EXPENSES

<table>
<thead>
<tr>
<th>Description</th>
<th>Costs ($)</th>
<th>Total Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Salary and wages</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervision – 2 days @ 350</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>Report preparation – 2 days @ 150</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Clerical – 1 day @ 120</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Equipment operators – 1 day @ 150</td>
<td>150</td>
<td>1270</td>
</tr>
<tr>
<td><strong>Equipment</strong> – rate includes fuel &amp; moving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pickup truck – 2 days @ 120</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td>Backhoe – 1 day @ 800</td>
<td>800</td>
<td>1040</td>
</tr>
<tr>
<td><strong>Contract Services</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab tests</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td><strong>Office Charges, Fees, Admin., General</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office overhead (5%)</td>
<td>135.50</td>
<td>135.50</td>
</tr>
<tr>
<td><strong>Grand total</strong></td>
<td></td>
<td>2845.50</td>
</tr>
</tbody>
</table>

I certify that these expenditures are valid and were incurred in conducting assessment work on the above permit.

Signed: [Signature]

Signature/Stamp
Commissioner for Oaths

[Stamp]

for: Pat Dwyer Construction Inc.
CANCELLATIONS AND AMENDMENTS

PERMIT NO. 9302010075

Land retained:

1. In NE ¼ Section 21, Twp. 7, Rge. 2, W5
   • That portion of LSD 13 lying in the extreme NW corner of the ¼, bounded on the south by Highway 3A and on the north by the road allowance on the section line
   • All of LSD 2, SE28, T7, R2, W5.

Total retained 18.28 ha

The balance of the lands under this permit is to be returned to the Crown.

ALLOCATION OF EXPENSES

Permit No. 9302010075

Area: 4189 ha.

Expenditure required: $20,945

Expenditure assigned: $2845.50

Lands retained: 18.28 ha.

Expenditure required: $91.40

Expenditure in excess: $2754.10
SUMMARY REPORT

Assessment work on Metallic and Industrial Minerals Permit No. 9302010075 for the initial two year period consisted of defining locations for extraction of suitable sandstone rock of various sizes primarily for landscaping. Road access into most of the area already existed.

Total costs for initial assessment work during the two year period were $2845.50, which exceeds the two year expenditure required for the 18.28 ha. retained by the amount of $2754.10. It is our understanding that this excess amount will be credited against the minimum spending requirements for any subsequent two-year period, consistent with Sec. 14 (2) and 14 (3) of Alberta Regulation 66/93, Mines and Minerals Act, METALLIC AND INDUSTRIAL MINERALS REGULATION.
Authorization to Reproduce or Copy

Pat Dwyer Construction Inc. hereby authorizes the Government of Alberta to reproduce or copy the attached Assessment Report at the end of the one-year confidentiality period.

Pat Dwyer, President
Pat Dwyer Construction Inc.
AREA RETAINED

Permit # 93D2010075

June 23, 2004
Pat Dwyer Construction Inc.

Semi scale: 1” = 1 mile
DATE: December 8, 2003  
TIME SENT: 8:20:10 AM

ATTENTION: Mr. Pat Dwyer

COMPANY: Three River Rentals Ltd.

FAX NO.: 628-378-2191  
TELEPHONE: 

FROM: M. Sabourin  
FILE NO.: 04044400496

SUBJECT: QC Testing - Milk River Bidal Reservoir

MESSAGE:

TOTAL NUMBER OF PAGES (INCLUDING THIS PAGE): 3

Please circle as appropriate.
December 5, 2003

Three River Rentals Ltd.
Box 38
Lundbreck AB T0K 1H0

Attention: Mr. Pat Dwyer

Dear Sir:

Subject: QC Testing – Milk River Ridge Reservoir
Rip-Rap Testing

Pursuant to your request, EBA Engineering Consultants Ltd. (EBA) have completed the required testing for riprap samples delivered to our Calgary laboratory.

The material is composed of well-graded, well-cemented conglomerate. The pebbles are rounded to subrounded in dense sand-sized matrix. Lamination of matrix was not identified.

The quality of the riprap materials was tested in accordance with the California Division of Highways, test method No. 206 (Specific Gravity and Absorption of Course Aggregate – Procedure for Rock Slope Protection) and test method 229 (Method of Test for Durability Index).

The results are summarized below.

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apparent Specific Gravity</td>
<td>2.62/2.61</td>
<td>&gt;2.6</td>
</tr>
<tr>
<td>Absorption (%)</td>
<td>1.67/1.69</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Durability Index</td>
<td>80</td>
<td>&gt;51</td>
</tr>
<tr>
<td>Durability Absorption Ratio (DAR)</td>
<td>30</td>
<td>&gt;23</td>
</tr>
</tbody>
</table>

- Two tests were conducted for specific gravity and absorption

These results satisfy the California Division of Highways quality control criteria and indicate that the rock is suitable for use as a riprap material.
We trust this information meets your present requirements. Should you have any questions, please contact our office.

Respectfully submitted,
EBA Engineering Consultants Ltd.

Bozena Czarnecki, P.Eng.
Senior Project Engineer

Marc Sabourin, P.Eng.
Project Director

PERMIT TO PRACTICE
EBA ENGINEERING CONSULTANTS LTD.

Signature

Date Dec 08/03

PERMIT NUMBER: P245
The Association of Professional Engineers, Geologists and Geophysicists of Alberta
Respectfully yours,

Don Townsend

For: Pat Dwyer Construction Inc.

Cc: Hazel Henson
Twyla Cyr
   Ralph Jamieson