



**Conservation**

Environmental Stewardship Division  
Environmental Assessment and Licensing Branch  
123 Main Street, Suite 160, Winnipeg, Manitoba R3C 1A5  
T 204 945-7100 F 204 945-5229  
[www.gov.mb.ca/conservation/eal](http://www.gov.mb.ca/conservation/eal)

FAXED

CLIENT FILE NO.: 5343.00

July 17, 2008

Mary Ann Sareault  
Keystone Vegetable Producers Association Inc.  
PO Box 545, 2401 Saskatchewan Ave., NW  
Portage la Prairie MB R1N 3B9

Dear Ms. Sareault:

Enclosed is Environment Act Licence No. 2841 dated July 17, 2008 issued in accordance with The Environment Act to **Central Manitoba Resource Management Ltd.** for the construction and operation of the Development being an irrigation system (Under the Hill Farms West Irrigation Project) in the Rural Municipality of South Cypress, with groundwater wells in Township 7-15W drawing water from the Assiniboine Delta Aquifer and a landbase for the irrigation of 800 ha, in accordance with the Proposal filed under The Environment Act dated May 9, 2008.

In addition to the enclosed Licence requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with.

For further information on the administration and application of the Licence, please feel free to contact Peter Crocker, Environment Officer at (204) 726-6565.

Pursuant to Section 27 of The Environment Act, this licencing decision may be appealed by any person who is affected by the issuance of this Licence to the Minister of Conservation within 30 days of the date of the Licence.

Yours truly,

Tracey Braun, M. Sc.  
Director  
Environment Act

Enc.

c: B. Wright, Regional Director, Western Region  
Peter Crocker, Environment Officer  
Millennium Public Library/Manitoba Eco-Network  
Western Manitoba Regional Library  
R.M. of South Cypress (As Registry) & Office copy  
Doug Berry

NOTE: Confirmation of Receipt of this Licence No. 2841 (*by the Licensee only*) is required by the Director of Environmental Assessment and Licensing. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by July 23, 2008.

\_\_\_\_\_  
On behalf of Central MB Resource Mgmt. Ltd.

\_\_\_\_\_  
Date

**\*\*A COPY OF THE LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES\*\***

**Manitoba**  
spirited energy

# LICENCE

Licence No. / Licence n° 2841

Issue Date / Date de délivrance July 17, 2008

In accordance with The Environment Act (C.C.S.M. c. E125) /  
Conformément à la Loi sur l'environnement (C.P.L.M. c. E125)

Pursuant to Section 11(1) / Conformément au Paragraphe 11(1)

**THIS LICENCE IS ISSUED TO : / CETTE LICENCE EST DONNÉE À :**

**CENTRAL MANITOBA RESOURCE MANAGEMENT LTD.;**  
**"the Licencee"**

for the construction and operation of the Development being an irrigation system (Under the Hill Farms West Irrigation Project) in the Rural Municipality of South Cypress, with groundwater wells in Township 7-15W drawing water from the Assiniboine Delta Aquifer and a landbase for the irrigation of 800 ha, in accordance with the Proposal filed under The Environment Act dated May 9, 2008, and subject to the following specifications, limits, terms and conditions:

### **GENERAL TERMS AND CONDITIONS**

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall collect and dispose of all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the Development in accordance with applicable Manitoba Conservation and legislation requirements.
2. The Licencee shall revegetate areas disturbed by the construction of the Development with a mixture of native or introduced grasses or legumes. These areas shall be revegetated as quickly as possible following construction to prevent soil erosion and the establishment of noxious weeds. Native species shall be used to revegetate areas where native species existed prior to construction.

**\*\*A COPY OF THE LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES\*\***

3. The Licencee shall:
  - (a) prepare "As Constructed" drawings for the Development and shall label the drawings "As Constructed"; and
  - (b) provide to the Director, within three months of the completion of construction of the Development, two sets of "As Constructed" drawings.

### **SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS**

#### **Project Scope**

4. The Licencee shall, unless otherwise approved by the Director in writing, construct the groundwater wells and management works and irrigate the lands as described on Figure 1, attached to this Licence. Field 11 in SE 26-7-15W is excluded from the project unless specifically approved by the Director in writing. Proposed amendments to this project must be submitted to the Director for approval with an accompanying discussion of the nature and purpose of the amendments.

#### **Construction**

5. The Licencee shall, not less than two weeks prior to beginning construction of the Development, provide notification to the Environment Officer responsible for the administration of this Licence of the intended starting date of construction and the name of the contractor responsible for the construction.
6. The Licencee shall establish any fuel storage areas required for the construction and operation of the Development:
  - (a) a minimum distance of 100 metres from any waterbody; and
  - (b) in compliance with the requirements of *Manitoba Regulation 188/2001*, respecting *Storage and Handling of Petroleum Products and Allied Products*, or any future amendment thereof.
7. The Licencee shall, during construction and operation of the Development:
  - (a) immediately report any reportable spills to Manitoba Conservation's Accident Reporting Line at (204) 944-4888; and
  - (b) provide a follow-up report to the Director on a reportable environmental accident outlining the cause(s) and proposing corrective action to prevent reoccurrence.
8. The Licencee shall not remove, destroy or disturb species listed as rare, endangered, or of special concern, or their habitats. These species are listed in *Manitoba Regulation 25/98*, respecting *Threatened, Endangered and Extirpated Species*, or any future amendment thereof, and in the federal Species at Risk Act.

9. The Licencee shall retain a qualified on-site field biologist to conduct a pre-construction survey in areas of natural habitat affected by the Development. The results of this survey shall be reported to the Biodiversity Conservation Section of Manitoba Conservation's Wildlife and Ecosystem Protection Branch and to the Director prior to commencing construction.
10. The Licencee shall not harm, remove, destroy or disturb migratory birds, their nests or their eggs pursuant to the requirements of the federal Migratory Birds Convention Act.
11. The Licencee shall install buried pipelines on cultivated land or land in its natural state in accordance with the methodology illustrated in Figures 2 to 4, attached to this Licence. These procedures do not apply when a plough or a continuous trencher is used to install a pipeline.

**Operation – Matters Respecting Water Management and Water Quality Protection**

12. The Licencee shall limit the pumping rate at the groundwater diversion points of the Development in Township 7-15W to capacities listed in Section 2.5 of the Environment Act Proposal report prepared by KGS Group, March, 2008, or as specified in a Water Rights Licence issued for the Development by Manitoba Water Stewardship.
13. The Licencee shall install backflow prevention devices and maintain them in operational condition at all times if fertilizer or crop protection products are applied through the irrigation systems of the Development.
14. The Licencee shall, if fertilizer or crop protection products are applied through the irrigation systems of the Development, not allow irrigation water containing these materials to be applied to or drain to surface water bodies.
15. The Licencee shall comply with the requirements of *Manitoba Regulation 62/2008*, respecting *Nutrient Management*, or any future amendment thereof. In particular, the Licensee shall not:
  - (a) apply nutrients to or fertigate class 6, 7, or unimproved organic soils, including class 6 soils in SW19-7-15W and NE17-7-15W;
  - (b) apply nutrients within 3 metres of Oak Creek if there is permanent vegetation in the buffer setback, or within 8 metres if there is no permanent vegetation; and
  - (c) fertigate where spray would impact upon these areas.

**Operation – Matters Respecting Land Management and Soil Quality Protection**

14. The Licencee shall not, with water diverted by the Development, irrigate any land parcel other than a land parcel identified in Figure 1 attached to this Licence.
15. The Licencee shall not use water diverted by the Development to irrigate land in the project area more frequently than one year in three.
16. The Licencee shall manage phosphorus as well as nitrogen in all nutrient management plans developed pursuant to Clause 17 of this Licence.
17. The Licencee shall implement agronomic practices described in the following documents:
  - (a) Sections 3.5, 4.2.2, and 4.2.3 of the Environment Act Proposal report prepared by KGS Group, March, 2008;
  - (b) “Manual of Best Management Practices for Irrigated Crop Production in Manitoba, 2<sup>nd</sup> Draft” by the Association of Irrigators of Manitoba, concerning general agronomic practices, or future versions thereof.
18. The Licencee shall ensure that drift from the irrigation equipment of the Development does not enter the following protected Assiniboine Corridor Wildlife Management Area parcels:
  - (a) NW 26-07-15W1;
  - (b) SW 26-07-15W1;
  - (c) NW 25-07-15W1; and
  - (d) NW 24-07-15W1.

Drift includes irrigation water, crop fertility products and crop protection products.

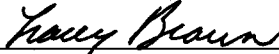
**Monitoring**

19. The Licencee shall, on a daily basis while irrigation is occurring, record volumes of water pumped, and durations of pumping for each intake location. A report on this information shall be provided, by February 1 of the following year, to the Environment Officer responsible for the administration of this Licence and the Environmental Assessment and Licensing Branch. The report shall be provided in the format shown in Table 1, attached to this Licence.
20. The Licencee shall, upon the request of the Director:
  - (a) sample, monitor, analyze or investigate specific areas of concern regarding groundwater, surface water and soil for such duration and at such frequencies as may be specified;

- (b) determine the environmental impact associated with the specific areas of concern; and
  - (c) provide the Director, within such time as may be specified, with such reports, drawings, specifications, analytical data, descriptions of sampling and analytical procedures being used, and such other information as may from time to time be requested.
21. The Licencee shall, prior to the commencement of operation of the Development, meet with the Environment Officer responsible for the administration of this Licence and the contact person for the Environmental Assessment and Licensing Branch of Manitoba Conservation to review the monitoring and reporting requirements of this Licence.

#### **REVIEW AND REVOCATION**

- A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.
- B. If construction of the development has not commenced within three years of the date of this Licence, the Licence is revoked.
- C. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms or conditions of this Licence, the Director may require the filing of a new proposal pursuant to Section 11 of The Environment Act.

  
\_\_\_\_\_  
**Tracey Braun, M. Sc.**  
**Director**  
**Environment Act**

**Client File: 5343.00**

### Under the Hill Farms Ltd. (West)

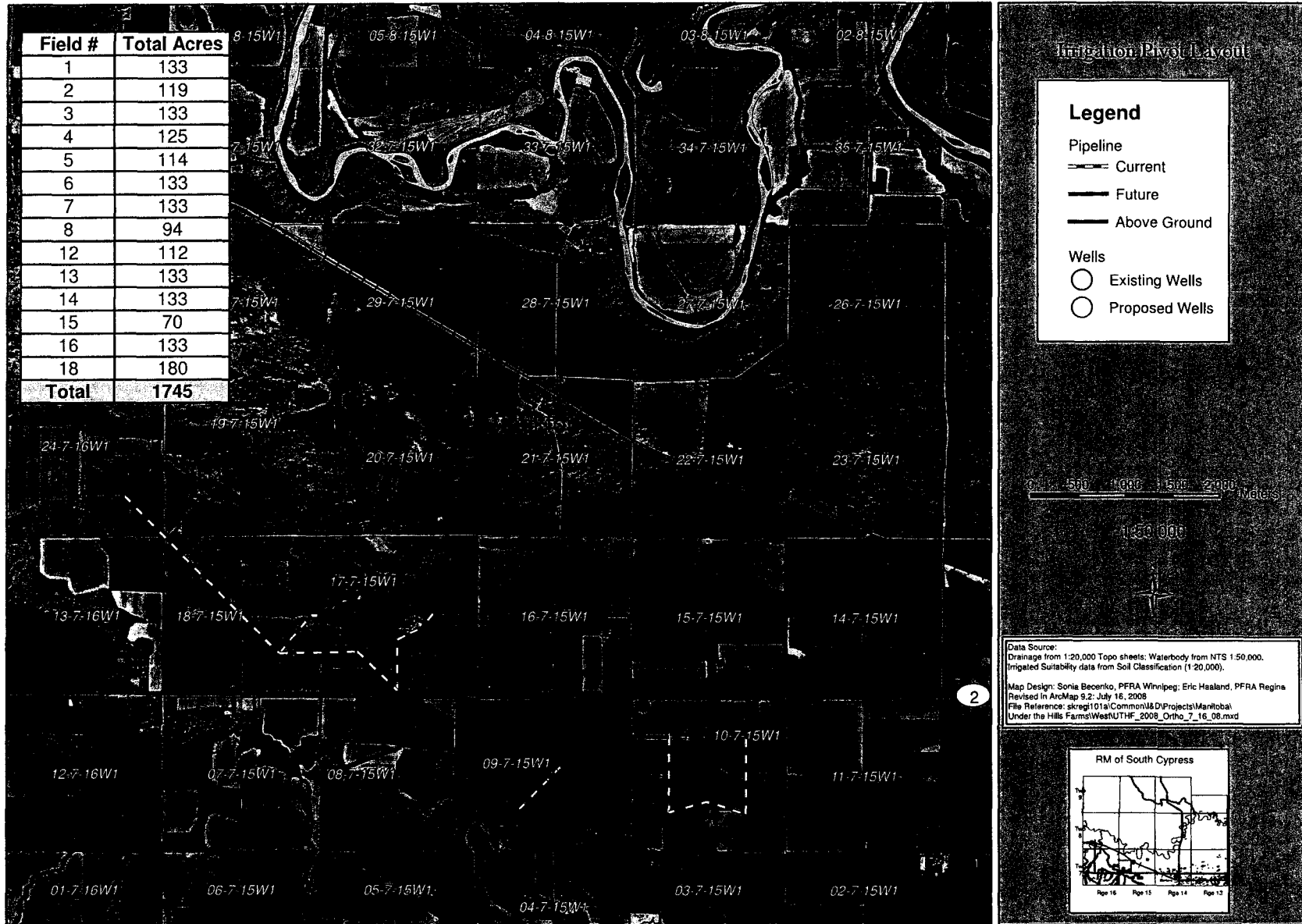
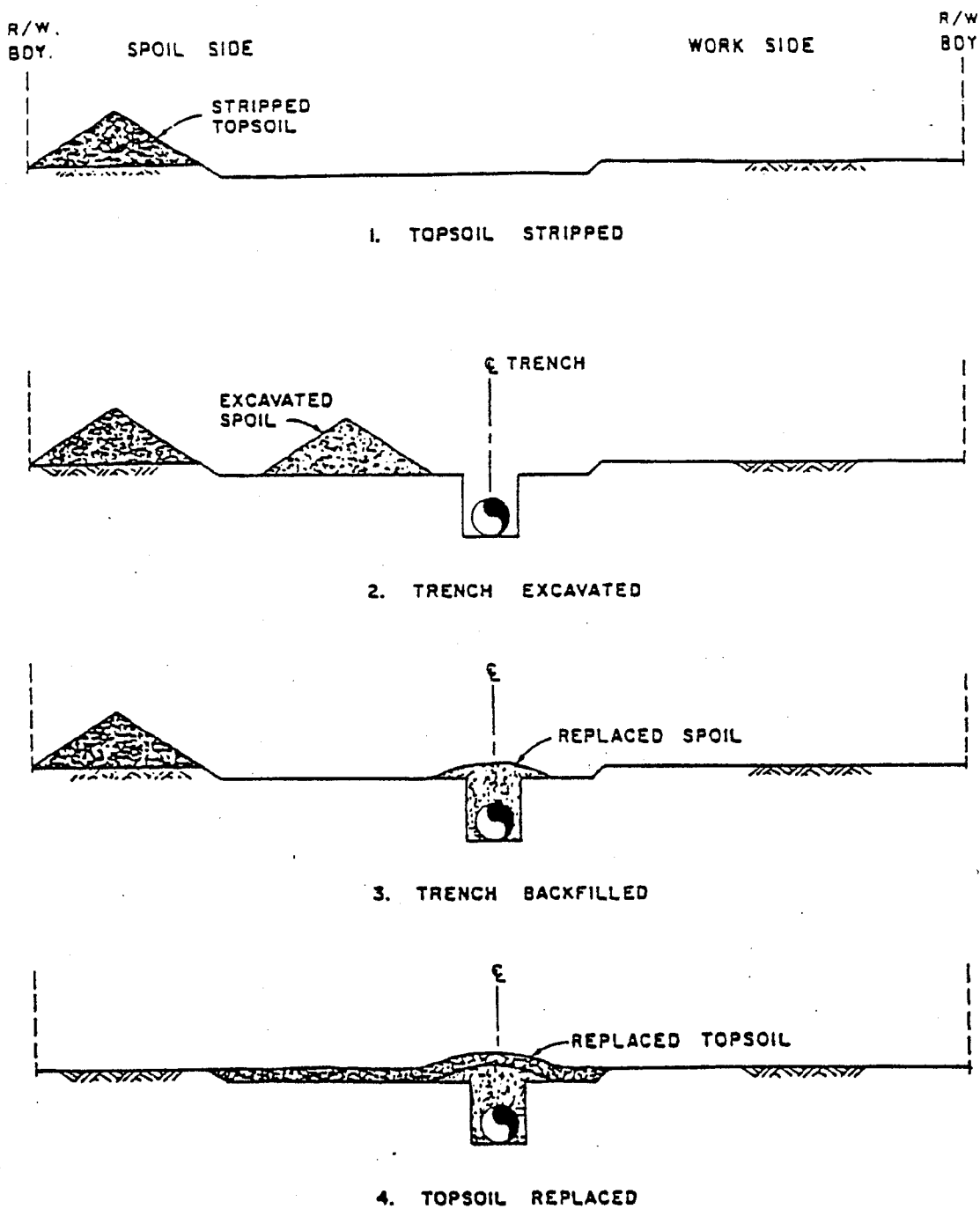


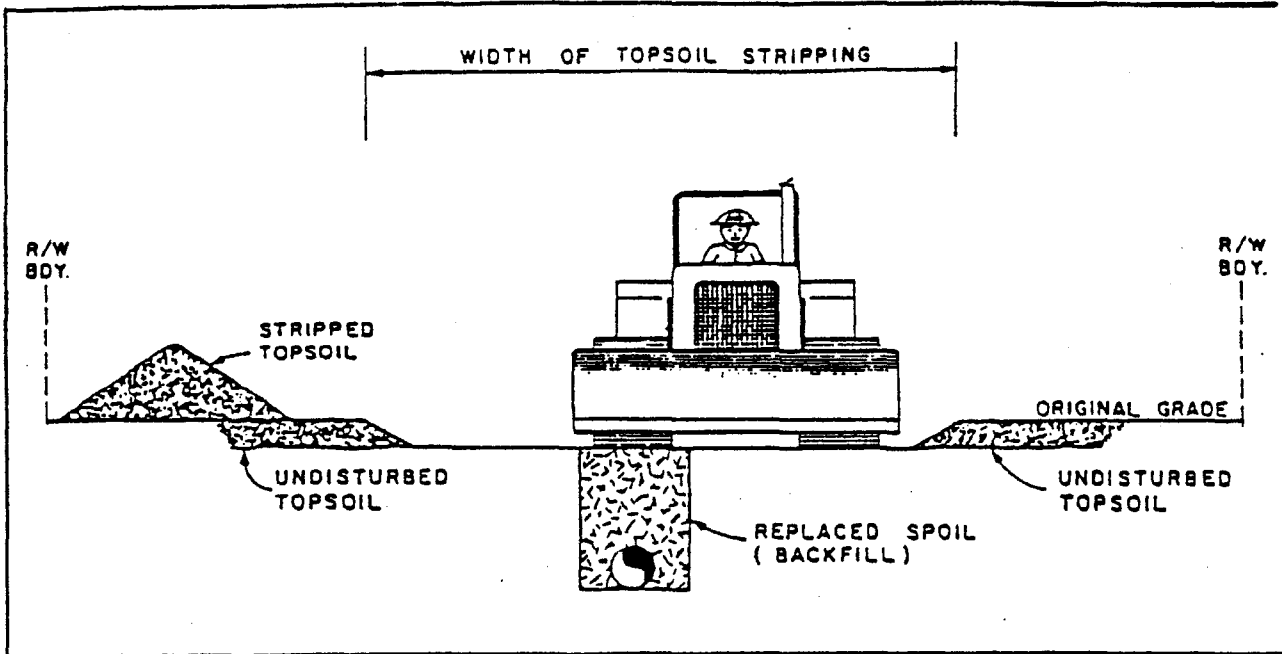
FIGURE 1 TO ENVIRONMENT ACT LICENCE NO. 2841



SEQUENCE OF TOPSOIL HANDLING

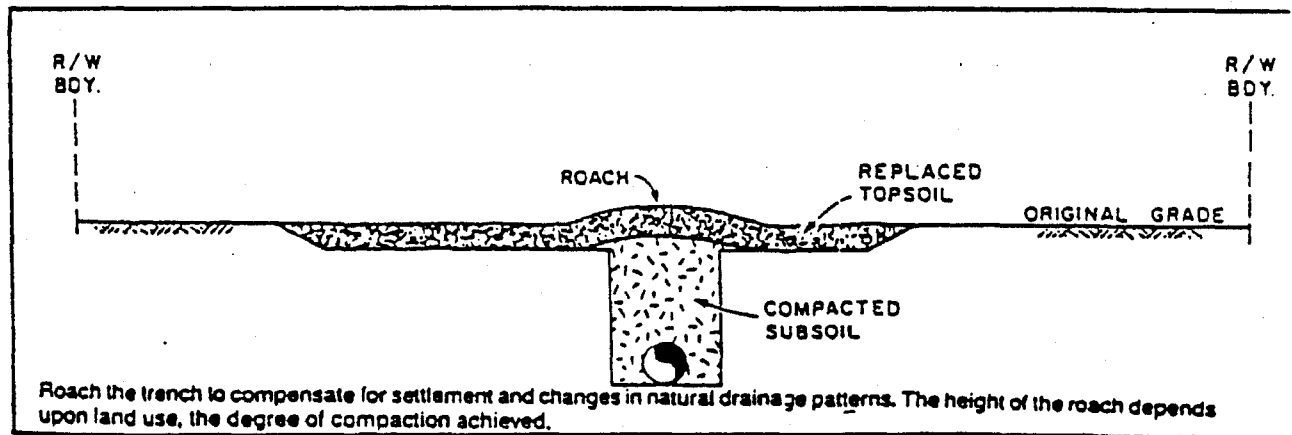
Figure 2





COMPACTION OF BACKFILL

Figure 3



ROACHING THE TRENCH

Figure 4

# Annual Water Use Report for 20\_\_\_\_\_

Manitoba Conservation  
 Environmental Assessment & Licensing Branch  
 160-123 Main Street  
 Winnipeg MB R3C 1A5



Pursuant to *The Environmental Act*

## TABLE 1 TO ENVIRONMENT ACT LICENCE NO. 2841

|                                     |   |   |  |
|-------------------------------------|---|---|--|
| <b>Report Type</b>                  | PUMPING FROM A STREAM, WELL OR RESERVOIR <input type="checkbox"/> OR FILLING A RESERVOIR FROM A STREAM <input type="checkbox"/> |   |  |
| <b>Project Name</b>                 | <input style="width:100%;" type="text"/>  |   |  |
| <b>Contact:</b>                     | <b>Name</b>   | <input style="width:100%;" type="text"/>  |  |
|                                     | <b>Address</b>  | <input style="width:100%;" type="text"/>  |  |
|                                     | <b>Phone No.</b>  | <input style="width:100%;" type="text"/>  |  |
| <b>Licence Numbers:</b>             |   |   |  |
|                                     | <b>Env. Act</b>   | <input style="width:100%;" type="text"/>  |  |
|                                     | <b>Water Rights</b>   | <input style="width:100%;" type="text"/>  |  |
|                                     |   | <b>Reservoir</b>  | <b>Pump (Water Source)</b>   |
|                                     | <b>Location</b>   | <input style="width:100%;" type="text"/>  |  |
|                                     | <b>Capacity</b>   | dam <sup>3</sup> <input type="checkbox"/> or acre-feet <input type="checkbox"/> | m <sup>3</sup> /s <input type="checkbox"/> or cfs <input type="checkbox"/> |
| <b>Minimum instream flow (MIF):</b> |   |   |  |
|                                     | <b>MIF</b>  | <input style="width:100%;" type="text"/> m <sup>3</sup> /s                      |  |
|                                     | <b>Monitor Location</b>   | <input style="width:100%;" type="text"/>  |  |

LICENSEE MUST COMPLETE ONE "ANNUAL WATER USE REPORT" FOR EACH PUMP (AND ONE FOR FILLING OF EACH RESERVOIR IF APPLICABLE) FOR EACH CALENDAR YEAR AND FORWARD THE REPORT TO THE ENVIRONMENTAL ASSESSMENT & LICENSING BRANCH AT THE ABOVE ADDRESS NOT LATER THAN THE DUE DATE INDICATED IN THE ENVIRONMENT ACT LICENCE

**NOTES**

1. d/s Q - Flow measured at downstream point of interest  or downstream of pump intake
2. Elevation - reservoir elevation (Geodetic - metres)
3. Volume Pumped - as measured by change in reservoir elevation  or pumping rate x time pumped

| DAY OF MONTH | APRIL     |               |              |                | MAY       |               |              |                |
|--------------|-----------|---------------|--------------|----------------|-----------|---------------|--------------|----------------|
|              | d/s Q (1) | Elevation (2) | Hours Pumped | Vol Pumped (3) | d/s Q (1) | Elevation (2) | Hours Pumped | Vol Pumped (3) |
| 1            |           |               |              |                |           |               |              |                |
| 2            |           |               |              |                |           |               |              |                |
| 3            |           |               |              |                |           |               |              |                |
| 4            |           |               |              |                |           |               |              |                |
| 5            |           |               |              |                |           |               |              |                |
| 6            |           |               |              |                |           |               |              |                |
| 7            |           |               |              |                |           |               |              |                |
| 8            |           |               |              |                |           |               |              |                |
| 9            |           |               |              |                |           |               |              |                |
| 10           |           |               |              |                |           |               |              |                |
| 11           |           |               |              |                |           |               |              |                |
| 12           |           |               |              |                |           |               |              |                |
| 13           |           |               |              |                |           |               |              |                |
| 14           |           |               |              |                |           |               |              |                |
| 15           |           |               |              |                |           |               |              |                |
| 16           |           |               |              |                |           |               |              |                |
| 17           |           |               |              |                |           |               |              |                |
| 18           |           |               |              |                |           |               |              |                |
| 19           |           |               |              |                |           |               |              |                |
| 20           |           |               |              |                |           |               |              |                |
| 21           |           |               |              |                |           |               |              |                |
| 22           |           |               |              |                |           |               |              |                |
| 23           |           |               |              |                |           |               |              |                |
| 24           |           |               |              |                |           |               |              |                |
| 25           |           |               |              |                |           |               |              |                |
| 26           |           |               |              |                |           |               |              |                |
| 27           |           |               |              |                |           |               |              |                |
| 28           |           |               |              |                |           |               |              |                |
| 29           |           |               |              |                |           |               |              |                |
| 30           |           |               |              |                |           |               |              |                |
| 31           |           |               |              |                |           |               |              |                |
| <b>TOTAL</b> |           |               | 0            | 0              |           |               | 0            | 0              |

| DAY OF MONTH | JUNE      |               |              |                | JULY      |               |              |                |
|--------------|-----------|---------------|--------------|----------------|-----------|---------------|--------------|----------------|
|              | d/s Q (1) | Elevation (2) | Hours Pumped | Vol Pumped (3) | d/s Q (1) | Elevation (2) | Hours Pumped | Vol Pumped (3) |
| 1            |           |               |              |                |           |               |              |                |
| 2            |           |               |              |                |           |               |              |                |
| 3            |           |               |              |                |           |               |              |                |
| 4            |           |               |              |                |           |               |              |                |
| 5            |           |               |              |                |           |               |              |                |
| 6            |           |               |              |                |           |               |              |                |
| 7            |           |               |              |                |           |               |              |                |
| 8            |           |               |              |                |           |               |              |                |
| 9            |           |               |              |                |           |               |              |                |
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| 27           |           |               |              |                |           |               |              |                |
| 28           |           |               |              |                |           |               |              |                |
| 29           |           |               |              |                |           |               |              |                |
| 30           |           |               |              |                |           |               |              |                |
| 31           |           |               |              |                |           |               |              |                |
| TOTAL        |           |               | 0            | 0              |           |               | 0            | 0              |

| DAY OF MONTH | AUGUST    |               |              |                | SEPTEMBER |               |              |                |
|--------------|-----------|---------------|--------------|----------------|-----------|---------------|--------------|----------------|
|              | d/s Q (1) | Elevation (2) | Hours Pumped | Vol Pumped (3) | d/s Q (1) | Elevation (2) | Hours Pumped | Vol Pumped (3) |
| 1            |           |               |              |                |           |               |              |                |
| 2            |           |               |              |                |           |               |              |                |
| 3            |           |               |              |                |           |               |              |                |
| 4            |           |               |              |                |           |               |              |                |
| 5            |           |               |              |                |           |               |              |                |
| 6            |           |               |              |                |           |               |              |                |
| 7            |           |               |              |                |           |               |              |                |
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| 12           |           |               |              |                |           |               |              |                |
| 13           |           |               |              |                |           |               |              |                |
| 14           |           |               |              |                |           |               |              |                |
| 15           |           |               |              |                |           |               |              |                |
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| 17           |           |               |              |                |           |               |              |                |
| 18           |           |               |              |                |           |               |              |                |
| 19           |           |               |              |                |           |               |              |                |
| 20           |           |               |              |                |           |               |              |                |
| 21           |           |               |              |                |           |               |              |                |
| 22           |           |               |              |                |           |               |              |                |
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| 24           |           |               |              |                |           |               |              |                |
| 25           |           |               |              |                |           |               |              |                |
| 26           |           |               |              |                |           |               |              |                |
| 27           |           |               |              |                |           |               |              |                |
| 28           |           |               |              |                |           |               |              |                |
| 29           |           |               |              |                |           |               |              |                |
| 30           |           |               |              |                |           |               |              |                |
| 31           |           |               |              |                |           |               |              |                |
| TOTAL        |           |               | 0            | 0              |           |               | 0            | 0              |

**TOTAL VOLUME PUMPED FOR YEAR:** 0 (insert unit measurement)