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Conservation

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Environmental Stewardship Division

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CANADA

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FAXED
CLIENT FILE NO.: 4542.00

COPY

September 15, 2000

Doug Smallwood
Agassiz Resource Management Ltd.
PO Box 750
Winkler MB R6W 4A8

Dear Mr. Smallwood:

Enclosed is Environment Act **Licence No. 2480** dated September 15, 2000 issued in accordance with the Manitoba Environment Act to **Agassiz Resource Management Limited** in connection with the construction and operation of the Development being an irrigation reservoir in SW 11-4-5W in the Rural Municipality of Roland, in accordance with the Proposal filed under The Environment Act dated July 31, 2000.

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 Glenn Ritchie at 325-1753.

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,

~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

Larry Strachan, P. Eng.
Director
Environment Act

Enc.

c: L. MacCallum/attn: G. Ritchie, South-Central Region, Conservation
Centennial Public Library/Manitoba Eco-Network/South Central Regional Library
R.M. of Roland
D. Menon, Manitoba Water Services Board

NOTE: Confirmation of Receipt of this Licence (by the Licencee only) is required by the Director of Approvals. Please acknowledge receipt by signing in the space provided below and faxing back to the Department by September 22, 2000.

On behalf of Agassiz Resource Management Ltd. Date



Environment Act Licence

Loi sur l'environnement Licence

Manitoba
Conservation
Conservation
Manitoba



Licence No./Licence n° 2480
Issue Date/Date de délivrance September 15, 2000

**IN ACCORDANCE WITH THE MANITOBA ENVIRONMENT ACT (C.C.S.M. c. E125)
THIS LICENCE IS ISSUED PURSUANT TO SECTION 11(1) TO:**

AGASSIZ RESOURCE MANAGEMENT LIMITED; "the Licencee"

for the construction and operation of the Development being an irrigation reservoir in SW 11-4-5W in the Rural Municipality of Roland, in accordance with the Proposal filed under The Environment Act dated July 31, 2000, 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 ensure that all used oil products and other regulated hazardous wastes generated by the machinery used in the construction and operation of the Development are collected and disposed of 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.
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

Construction

4. The Licencee shall, prior to beginning construction of the Development, provide four copies of detailed construction plans for the approval of the Director.
5. The Licencee shall provide notification to the Environment Officer responsible for the administration of this Licence not less than two weeks prior to beginning construction of the Development of the intended starting date of construction and the name of the contractor responsible for the construction.

6. The Licencee shall ensure that fuel storage areas established for the construction of the Development:
 - a) are located a minimum distance of 100 metres from any waterbody; and
 - b) comply with the requirements of *Manitoba Regulation 97/88R* respecting *Storage and Handling of Gasoline and Associated Products*.
7. The Licencee shall not undertake instream construction activities in connection with the Development between April 1 and June 15 of any year.
8. The Licencee shall not undertake instream construction activities in connection with the Development during periods of high streamflow.
9. The Licencee shall ensure that buried pipelines which are installed on cultivated land or land in its natural state are installed in accordance with the methodology illustrated in Figures 1 to 3, 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

10. The Licencee shall, during operation of the Development, take all precautions necessary to prevent fuel from entering any waterbody. Diesel pump units, other than tractors, shall be placed on drip trays and all fuel tanks, other than those on tractors, shall be double walled or contained in larger non drainable containers. Fuel spills in excess of 100 litres shall be immediately reported to an Environment Officer.
11. The Licencee shall ensure that pump intakes associated with the Development are screened, if necessary, in accordance with the Department of Fisheries and Oceans publication "Freshwater Intake End-of-Pipe Fish Screen Guideline" (March, 1995). Final screen designs shall be approved by the Department of Fisheries and Oceans prior to the operation of the Development.
12. The Licencee shall ensure that a minimum instream flow is maintained below the diversion point of the Development at all times while water is being diverted into the Development. The minimum instream flow at the diversion point shall be as determined by Manitoba Conservation and specified in a Water Rights Licence issued for the Development.
13. The Licencee shall immediately cease diverting water from Shannon Creek or reduce the diversion rate if the minimum instream flow provided for in Clause 12 of this Licence is not equalled or exceeded.
14. The Licencee shall, on a daily basis while irrigation is occurring from the Development, record volumes of water pumped, and durations of pumping. A report on this information shall be provided, by March 1 of the following year, to the Environment Officer responsible for the administration of this Licence, the Environmental Approvals Branch, and the Water Resources Branch of Manitoba Conservation. The report shall be provided in the format shown in Table 1, attached to this Licence.

15. The Licencee shall ensure that backflow prevention devices are installed and are operational at all times if fertilizer or crop protection products are applied through the irrigation systems of the Development.

Operation – Matters Respecting Land Management and Soil Quality Protection

16. The Licencee shall ensure that irrigation does not occur, with water diverted by the Development, on a land parcel other than a land parcel identified in the Environment Act Proposal, dated July 31, 2000.

Monitoring

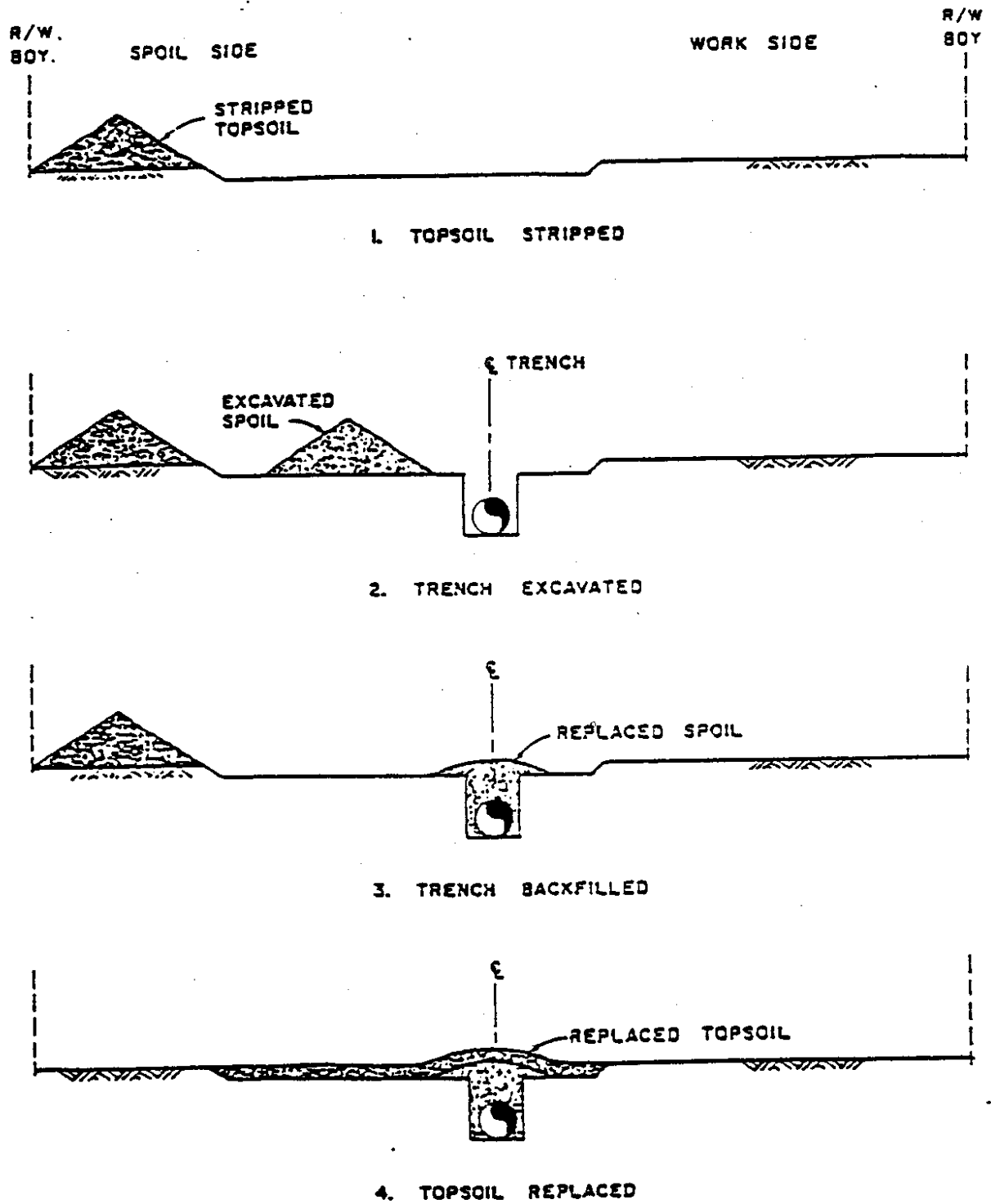
17. The Licencee shall provide a listing of annual groundwater, surface water and soil monitoring activities to be carried out for the Development. The plan shall include a monitoring schedule, and shall be provided to the Director for approval by May 1, 2001.
18. The Licencee shall, prior to the commencement of operation of the Development, meet with the Environment Officer responsible for the administration of this Licence and the contact person for the Environmental Approvals Branch of Manitoba Conservation to review the monitoring and reporting requirements of this Licence.
19. The Licencee shall, on an annual basis, undertake the monitoring plan approved by Clause 17 of this Licence. A report summarizing the monitoring results for the previous year shall be submitted to the Director by March 1 of each year.

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.

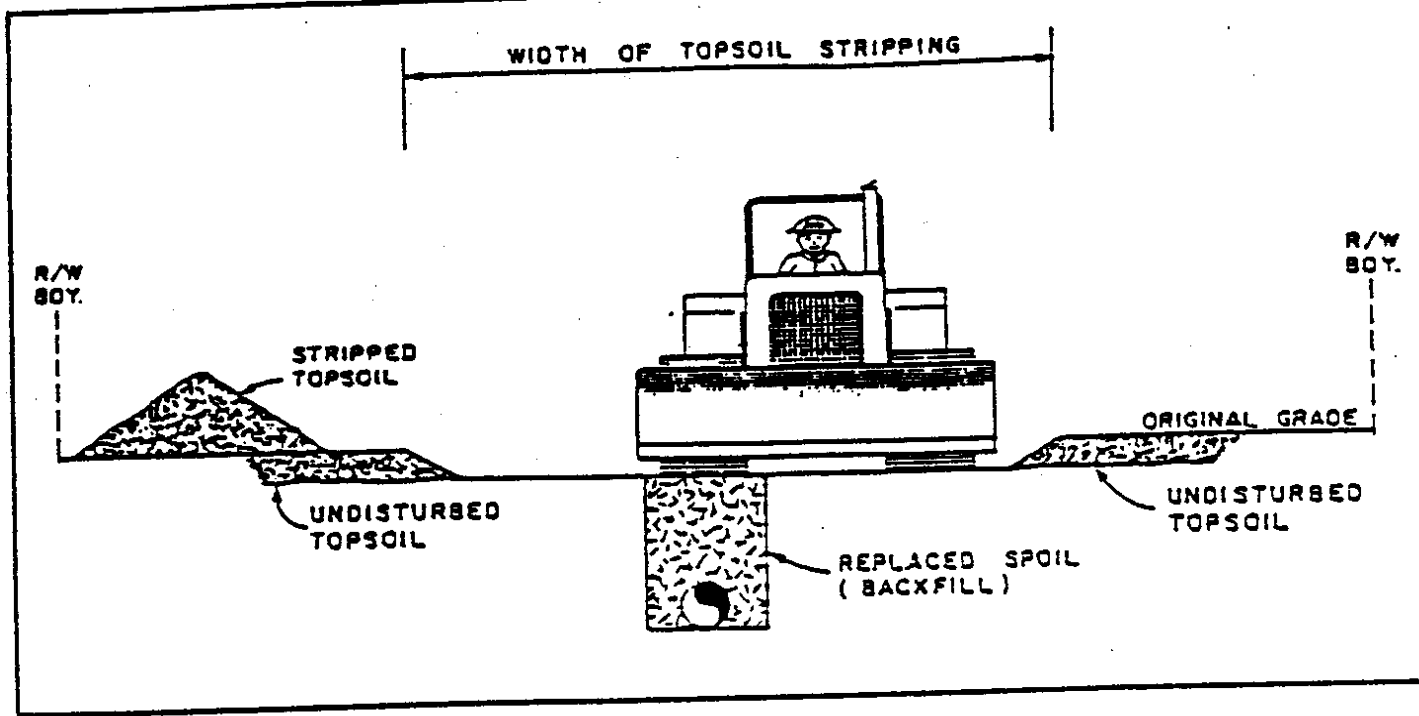


Larry Strachan, P. Eng.
Director
Environment Act



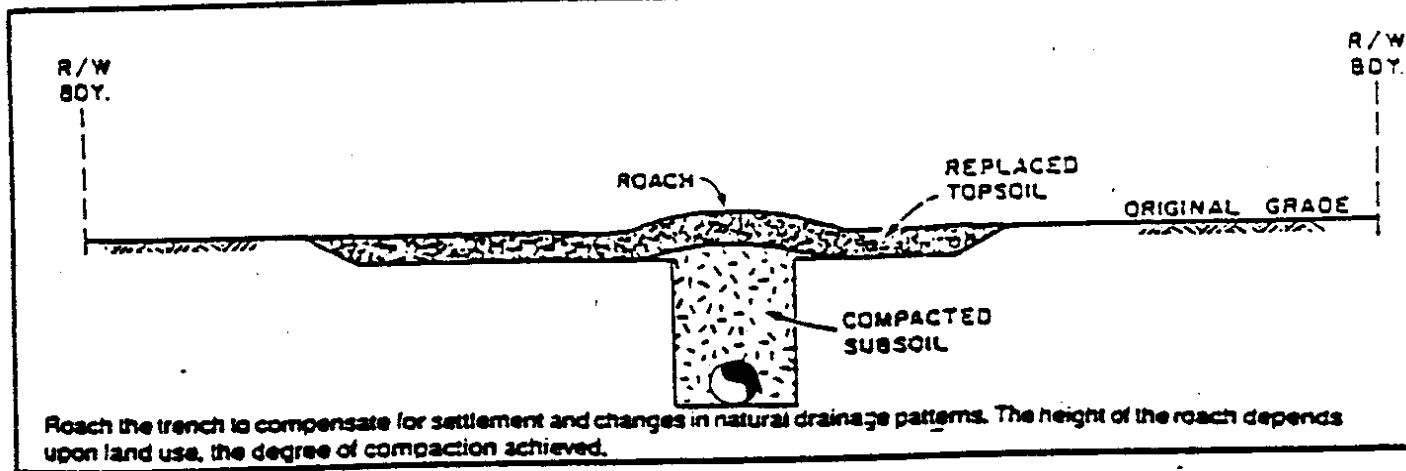
SEQUENCE OF TOPSOIL HANDLING

Figure 1



COMPACTION OF BACKFILL

Figure 2



ROACHING THE TRENCH

Figure 3

Table 1
To Environment Act Licence No. 2480

Agassiz Resource Management Ltd. - Shannon Creek Reservoir SW11-4-5W					
				Year:	_____
Dugout capacity:	_____	dam ³ or acre-feet		Operator:	_____
Pump Capacity: Filling:	_____	m ³ /s or cfs		Use:	_____ m ³ /s or cfs
Minimum instream flow:	_____	m ³ /s or cfs		MIF Monitoring Location:	_____
Notes:					
1. d/s Q - Flow measured at downstream point of interest (specify _____) or downstream of pump intake _____					
2. Elevation - dugout elevation (Geodetic - metres)					
3. Volume Pumped - as measured by change in reservoir elevation _____ or pumping rate x time pumped _____					
1. Filling					
Day	Date	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					
Total				0.00	0.00

