

**APPENDIX C**

**LETTER OF ADVICE**  
**FISHERIES AND OCEANS CANADA**



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Freshwater Institute

501 University Crescent  
Winnipeg, Manitoba  
R3T 2N6  
Tel: (204) 934-5163  
Fax: (204) 934-2402

Institut des eaux douces

501, croissant University  
Winnipeg (Manitoba)  
R3T 2N6  
Tél: (204) 934-5163  
Téléfax: (204) 934-2402

Your file / Votre référence

Our file / Notre référence  
WI-03-2844

December 12, 2003

City of Winnipeg  
c/o Mr. Bill Waters, Project Manager  
Water and Waste Department  
1500 Plessis Road  
Winnipeg, Manitoba R2C 5G6

Dear Mr. Waters:

**Re: Assiniboine River – Land Drainage and Storm Relief Sewer Outfall for the Strathmillan Combined Sewer District, Winnipeg, Manitoba**

Fisheries and Oceans Canada – Winnipeg District (DFO-WD) has reviewed the information provided by UMA Engineering Ltd. in correspondence dated November 14, 2003 for the above project pursuant to the habitat protection provisions of the *Fisheries Act*.

It is our understanding the City of Winnipeg proposes to construct a 1350 mm combined Land Drainage Sewer (LDS) and Storm Relief Sewer (SRS) outfall on the Assiniboine River at the end of Strathmillan Road, and decommission an existing 900 mm Combined Sewer (CS) outfall at the same location.

The 1350 mm concrete LDS / SRS pipe will be brought to Assiniboine River shoreline using trenchless methods. The final 3 meters of the pipe at the riverbank will be installed in an excavated trench to permit installation of a beveled end-section. A 750 mm thick riprap apron underlain with a geotextile fabric will be installed around the outfall to serve as erosion protection. The riprap apron will be installed such that the original profile of bed and bank of the river will be maintained. The riprap will extend along approximately seven meters of shoreline and extend out approximately seven meters into the Assiniboine River. The entire work area will be isolated from the Assiniboine River using a cofferdam comprised of non-erodible material. A temporary road access will be constructed adjacent to the work site. The cofferdam and access road will be completely removed before ice breakup in the spring.

The 900 mm CS outfall will be abandoned and the area restored. The eroded area at the end of pipe will be filled, graded to conform to the existing bank geometry, and then vegetated with native plant materials. Grades in the lower ledge at or near the waterline will be restored using 75 mm crushed limestone.

All work areas will be restored, which includes re-vegetation with native plant materials and implementation of appropriate sediment and erosion control methods on all disturbed areas.

Please note, it is my understanding you have forwarded this proposal to Environment Canada for review.

Canada

Based on this information, DFO-WD concludes the proposed work will not result in the harmful alteration, disruption or destruction of fish habitat provided the work is carried out as described and the following mitigation measures are adhered to:

1. Construction is completed by April 1, 2004. Every reasonable effort is made to minimize the duration of in-water activity and disturbance to the bed and shore of the waterway. Retention of existing vegetation is maximized.
2. The deposit of deleterious substances into water frequented by fish is prohibited under the *Fisheries Act*. Appropriate precautions must therefore be taken to ensure that potentially deleterious substances (such as fuel, hydraulic fluids, silt, clay, etc.) do not enter any watercourse.
3. Equipment operating near any waterbody is free of external fluid leaks, grease, oil and mud, and contain environmentally friendly hydraulic fluids where possible. The cleaning, fuelling and servicing of equipment is conducted in a manner to prevent the entry of deleterious substances into any watercourse.
4. Appropriately sized rock that is free of silt and clay is used for riprap.
5. All excavated material is disposed on land above the high water level, where it will not be a potential source of sediment for any waterbody.
6. Effective short-term sediment and erosion control measures (e.g. erosion control blankets, sediment barriers, straw mulch, silt curtains) are used to prevent any construction activities from contributing sediment to the Assiniboine River, and they remain in place until vegetation is re-established. This includes isolating in-water with silt curtains or other suitable measures to contain sediment suspended during excavation of the shoreline, and leaving isolation measures in place until suspended sediments are completely settled out to prevent release of sediment into the Assiniboine River.
7. Effective, long-term sediment and erosion control measures are implemented. This includes stabilizing and seeding disturbed areas immediately after construction and ensuring they are reclaimed to vegetation within one growing season. If re-vegetation cannot be undertaken within a reasonable time frame, or the work is conducted outside of the growing season, alternate erosion control measures are applied to stabilize exposed soils until re-vegetation occurs.
8. The work site is monitored to evaluate the effectiveness of erosion and sediment control measures and the physical stability of bed and banks of the waterway. If monitoring identifies any problems, then appropriate actions are taken immediately to rectify the situation.

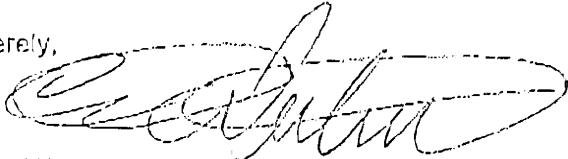
Any harmful alteration, disruption or destruction of fish habitat occurring as a result of a change in plans for the proposed works or as a result of failing to comply with the above mitigation measures may result in contravention of the *Fisheries Act*.

I recommend keeping a copy of this letter at the work site during construction, providing one to all contractors prior to the commencement of work, and notifying DFO-WD of any changes in plans, specifications, or operating conditions that have the potential to adversely affect fish or fish habitat.

Please note this letter does not constitute authorization of these undertakings pursuant to the *Fisheries Act*. It is the proponent's responsibility to obtain any approvals that may be required under other federal, provincial or municipal legislation.

Please contact me at (204) 983-1258 if you have any questions or wish to discuss any of the foregoing in more detail.

Sincerely,



Ernest Watson  
Fish Habitat Biologist  
Winnipeg District  
Prairies Area

cc: DFO Winnipeg File (1)  
T. Yeomans (Environment Canada, Winnipeg)  
S. Markowski (MB Conservation, Winnipeg)  
D. Kingerski (City of Winnipeg, Winnipeg)  
C. Heming (City of Winnipeg, Winnipeg)  
B. Merton (UMA Engineering Ltd., Winnipeg)