REPORT OF THE

COMMITTEE ON WORKS AND OPERATIONS

DATED APRIL 12, 1994

On motion of Councillor Duguid, the Report of the Committee on Works and Operations dated April 12, 1994, was considered clause by clause.

Moved by Councillor Duguid,
That the Consent Agenda items, Clauses 1,2,3,4,5 and 6 be adopted.

Carried.

Her Worship the Mayor and Councillors:

Proposed Additional Local Improvement for 1994 - Capital Estimates - Lane Lighting on the First East-West Lane South of Kingsford Avenue from Roch Street to and including the First North-South Lane East of Henderson Highway
File SL(1994) (Vol. 1)

635 - 1. Proposed 1994 local improvement candidates for the East Kildonan-Transcona Community were advertised on November 5, 1993. Subsequent to the November 5, 1993 advertisement, the following local improvement was informally petitioned for:

		Estimated Cost
1.	Lane Lighting - on the first east-west lane south of Kingsford Avenue from Roch Street to and including the first north-south lane east of Henderson Highway	$3,200.00

The Community Committee recommended that the local improvement be included in the 1994 Local Improvement Program contingent upon funds being available.

Your Committee on Works and Operations recommends:

I. That this lane lighting local improvement be included in the 1994 Local Improvement Program, contingent upon funds being available.

II. That the Proper Officers of the City do all things necessary to implement the foregoing.

Adopted by consent.

Policy on Bus Shelter Relocation and Acquisition of New Bus Shelters
File TE-4 (Vol. 5)

636 - 2. Council, at its reconvened meeting held on January 27, 1994, referred the following motion to your Committee on Works and Operations, namely:

Moved by Councillor Prystanski,
Seconded by Councillor Duguid,
WHEREAS the Committee on Works and Operations in January, ordered the Transit Department to replace the bus shelter it moved from the south west corner of Jarvis Avenue and Main Street, affecting the residents of Point Douglas Manor, residents of the immediate surrounding community, various Main Street businesses and their customers and many of the local churches whose congregations would use this bus shelter;

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AND WHEREAS the bus shelter on the south west corner of Selkirk Avenue and Charles Street was removed approximately two years ago affects the same type of community as the Jarvis Avenue and Main Street bus shelter does;

AND WHEREAS the City of Winnipeg has 550 bus shelters affecting all fifteen wards;

AND WHEREAS the problem that affected the Point Douglas area residents could easily affect the residents of any ward;

AND WHEREAS the problems associated with the removal of the bus shelters could easily be avoided with proper consultation of the community;

AND WHEREAS the City of Winnipeg currently has in place a policy of consultation for street closures, stop signs and other similar issues that affect Winnipegger's daily lives;

THEREFORE BE IT RESOLVED that the City of Winnipeg Transit Department establish a policy to provide for the Committee on Works and Operations to approve the bus shelter relocation;

AND FURTHER BE IT RESOLVED that the Committee on Works and Operations consider the policy of acquisition of new bus shelters with the intention of increasing the number of new bus shelters that are purchased every year without increasing the cost to the City.

On April 12, 1994, your Committee on Works and Operations further laid over consideration of this matter in order to permit Councillor Prystanski to address the Committee concerning a recent report submitted by the Director of Transit.

Your Committee on Works and Operations therefore recommends that a further 60-day extension of time be granted in which to report back to Council on this matter.

Adopted by consent.

Addition to the 1994 Watermain Renewal Program File WW-2.4(35) (Vol. 1)

637 - 3. Your Committee on Works and Operations has been advised that the 450 mm cast iron watermain on St. Anne's Road from 38m South of the South Line of Richfield Avenue to John Bruce Road was installed in 1970. The watermain has had seven breaks in the last five years with the most recent occurring in February of 1994.

The watermain is located within the section of St. Anne's Road from Sterling Avenue to Nova Vista Drive that is presently scheduled for widening in 1994. This street work will result in a repositioning of the existing watermain from under the boulevard to under the new street pavement making renewal at a later date very costly. As the present leak frequency of the proposed watermain is 3.18, it is timely that it be renewed in conjunction with the scheduled Street Improvements.

The monies required are available in the Watermain Renewal Reserve which as of December 31, 1993, stood at $801,907.41.

Your Committee on Works and Operations therefore recommends:-

I. That the watermain on St. Anne's Road from 38 m South of the South Line of Richfield Avenue to John Bruce Road be added to the 1994 Watermain Renewal Program at an estimated cost of $308,000.00, to be funded from the Watermain Renewal Reserve.

II. That the Proper Officers of the City do all things necessary to implement the foregoing.

Adopted by consent.

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Solid Waste Utility Implementation
File WT-1.2 (Vol. 9)

638 - 4. Council, on July 22, 1993, adopted Clause 5 of the Report of the Committee on Works and Operations dated July 12, 1993, with respect to the implementation of a solid waste utility, which recommended the following:

"I. That a committee be formed to prepare recommendations on a solid waste utility, consisting of the Chairperson of the Committee on Works and Operations, Councillor Boychuk as an additional member of the Committee on Works and Operations, the Commissioner of Works and Operations, and appropriate members of the general public and the Administration.

II. That prior to further reporting on the details for implementation of a solid waste utility, a public consultation program be undertaken, at a cost of up to $50,000.00, and that an additional appropriation be approved to be funded from the 1993 budgeted surplus in the Solid Waste Disposal Fund.

III. That a further report be submitted by October 31, 1993, including results of the public consultation program, comments from the Community Committees, prior to implementation and recommendation for a solid waste utility."

On November 2, 1993, the Committee on Works and Operations concurred with a request from the Ad Hoc Committee on Waste Reduction that it be charged with the responsibility of developing a comprehensive, integrated plan for waste reduction that will incorporate initiatives now underway, as well as new initiatives in order to formulate a comprehensive plan.

Council, on October 20, 1993, granted your Committee on Works and Operations a 90-day extension, and on January 26, 1994, a further 90-day extension of time within which to report back to Council on this matter.

Inasmuch as your Committee on Works and Operations has not received its Ad Hoc Committee's recommendation(s) in this regard, a further extension of 120 days is requested in which to report back to Council.

Adopted by consent.

Appointment of an Alternate Member to the Riverbank Management Committee
Files E-5.1 (Vol. 12) & GC-7 (Vol. 24)

639 - 5. On December 17, 1993, Council adopted Clause 1 of the Report of the Committee on Planning and Community Services dated November 23, 1993, which appointed Councillor Boychuk as the alternate member to the Riverbank Management Committee for both the Committee on Protection, Parks and Culture and the Committee on Works and Operations.

In order to eliminate the current duplication, your Committee on Works and Operations recommends that Councillor Angus be appointed as its alternate representative on the Committee.

Adopted by consent.

Boyle Wastewater/Flood Pumping Station
File WW-3.2 (Vol. 1)

640 - 6. The 1994 Capital Budget for the Boyle Wastewater/Flood Pumping Stations indicated that detailed engineering works would determine if the riverbank could be stabilized at this location, or if an alternative would have to be analyzed, such as relocating the stations to a more stable location. Engineering works have been completed and it has been determined that riverbank restoration is not the preferred solution, but that the integration of the combined sewers between the Boyle and Syndicate Districts be the recommended solution.

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Riverbank Stabilization Option

The Geotechnical investigation found that slope instabilities along the reach of the Red River adjacent to the Boyle District are far more widespread than localized bank failures in the vicinity of the stations. Historical failures, and recent monitoring indicate that further movements are occurring to such a point that the Boyle Stations are considered at immediate risk.

The Consultant's Geotechnical report identified that significant capital expenditures are required to the Boyle Street riverbank to allow the wastewater/flood pumping stations and related outfall piping to remain operational. The costs range from $913,000 to $2,064,000 depending on the method of stabilization and the extent to which stability works are desired to be effective.

As a result of the high costs and risks associated with the bank stabilization options, the feasibility of integrating the Boyle and the adjacent Syndicate Combined Sewer District to eliminate the requirement for bank stabilization works was investigated. The March 1991 report prepared by UMA Engineering on the Syndicate stations outfall indicated that the riverbank at this location showed no evidence of stability problems.

Integration Option

The integration option would consist of connecting the combined sewers of the Boyle District to the combined sewer system of the Syndicate District which would eliminate the need of the Boyle wastewater/flood pumping stations and thus riverbank stability works.

The integration costs are estimated to be $2.5M. Although costly, the new pipe required to provide the desired gravity flow integration will replace aging pipe (some of the oldest in the City - scheduled for replacement in any case under the sewer renewal program), and will also provide an upgraded level of service with respect to basement flooding for both Districts.

A comparison of the slope stabilization option (maintaining the Boyle Stations) and the integration option was carried out by a financial analysis on a present worth basis.

Option A - Slope Stabilization

The present worth of the least cost slope stabilization option was calculated at $2.27M and included the $913,000 construction cost, station operating and maintenance costs, periodic upgradings to station mechanical/electrical due to obsolescence and deterioration, outfall pipe repairs on a periodic basis, and additional slope stabilization repairs in the future.

Option B - Integration

The present worth of the integration option, was calculated at $1.94M and included a construction cost of $2.5M, the benefits of reduced accumulated basement flooding damages in the long term, replacement of a considerable inventory of the City's oldest combined sewers, the elimination of station operating and maintenance costs, and periodic upgrading costs to the Boyle wastewater/flood pumping stations and related outfalls. The construction cost includes the removal of the existing Boyle Stations.

As can be seen the present worth analysis favours the integration option. What cannot be included in this present worth analysis is that the risk of future costs is greater for the option of retaining the existing Boyle Stations than for integration. The long history of retrogressive riverbank failures along this reach of the Red River make the prospect of high future costs inevitable.

Based on the results of the Replacement Analysis it was recommended that the Boyle Station be retired by integrating the Boyle Combined Sewer District with the Syndicate Combined Sewer District, and because of the imminent risk of failure of the riverbank at Boyle, the construction be carried out at the earliest possible date.

Funding

The $2.5M integration option estimate presents a shortfall of $1.5M from the currently approved Capital program, including the 1994 allocation. In order for construction to begin in late 1994 and be completed by the spring of 1995, it is recommended that the following supplementary funding be provided:

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1. $1.4M be re-allocated from the 1994 Combined Sewer Relief funds

2. $100,000 be transferred from the Regional Flood Protection Program

Item 1 is being recommended as detailed design of the integration option, involves a complete Combined Sewer Relief Study of the two Districts, and partial relief of the two will be realized as a result of the integration. Although the relief program priority for Boyle and Syndicate is 3 to 4 years away under the present 5 year Capital Program, it is prudent to proceed now because of the risks previously stated.

Item 2 is also recommended as the Regional Flood Protection Program Capital Budget item identified funds for the upgrading of the Boyle Flood Pumping Station. Under the integration option this station is no longer required, therefore it would be appropriate to re-allocate these funds.

Alternative Funding

1. Add $1.5M to the 1995 Capital Budget for the Boyle Wastewater/Flood Pumping Station Project.

Your Committee on Works and Operations was advised that this funding alternative would not address the immediate concern and risk of losing the stations to a major riverbank failure. The highest risk occurs at the time of river elevation fluctuations which are during the spring and late fall. Not allocating additional funds for this project until 1995 would move the completion of construction to late 1995, thereby submitting the riverbank to a further spring and fall river level fluctuation. A riverbank failure involving the stations would result in sewage spilling to the rivers and substantial costs on an emergency basis to repair the damaged stations and riverbank if achievable at all.

Your Committee on Works and Operations recommends:

I. That riverbank restoration at the Boyle Wastewater/Flood Pumping Stations not proceed, and that existing Capital Funds be used to integrate the Boyle Combined Sewer District with the Syndicate Combined Sewer District through the Combined Sewer Flood Relief Program.

II. That the existing Boyle Wastewater/Flood Pumping Station Riverbank Restoration Capital Budget funds be transferred to the Combined Sewer Flood Relief Program.

III. That $1,500,000 be re-allocated and transferred from the following programs to supplement existing Capital funds:

   A. $1,400,000 from the 1994 Capital Budget Combined Sewer Flood Relief Program be re-allocated to complete the integration of the Districts.

   B. $100,000 be transferred from the Regional Flood Protection Program for the integration of the Districts.

IV. That the Proper Officers of the City do all things necessary to implement the foregoing.

Adopted by consent.

REPORT "A" OF THE

COMMITTEE ON WORKS AND OPERATIONS

DATED APRIL 12, 1994

On motion of Councillor Duguid, Report "A" of the Committee on Works and Operations dated April 12, 1994, was considered.

Moved by Councillor Duguid,
That the Consent Agenda item, Clause 1, be adopted.

Carried.

Her Worship the Mayor and Councillors:

Island Lakes Subdivision Stormwater Retention Basin Make-up Well - Licence to Use Water for Lake Filling Purposes
File WS-5.2 (Vol. 9)

641 - 1. Your Committee has been advised that development agreement #5514 (AG 37/78) between the City of Winnipeg and Metropolitan Properties Corporation for the Island Lakes Subdivision provided for the construction of a stormwater retention basin, land drainage sewers and accessories. One such accessory is the ground water well which was installed to provide make-up water to maintain the retention basin's normal water level during extended dry periods.

On August 1, 1991, the Waterworks, Waste and Disposal Department accepted ownership and responsibility for operation and maintenance of the stormwater retention basin. This acceptance excluded the make-up well from the developer. On November 6, 1992, the Waterworks, Waste and Disposal Department accepted ownership and responsibility for the operation and maintenance of the make-up well from the developer.

In accordance with the provisions of The Water Rights Act of the Province of Manitoba, the owner of such a ground water well must enter into a leave and licence agreement with the Province of Manitoba to use water from an aquifer.

Your Committee on Works and Operations therefore recommends:

I. That a Leave and License Agreement be entered into with the Province of Manitoba to provide a "licence (No. 93-46) to use (ground) water for lake filling purposes".

II. That the Proper Officers of the City do all things necessary to implement the foregoing.

Adopted by consent.

COMMITTEE ON WORKS AND OPERATIONS

CONSIDERATION OF BY-LAWS

642 - On motion of Councillor Duguid, the following by-laws were read a first, second and third time, the rule being suspended for the third reading of each by-law, and were passed and ordered to be signed and sealed, namely:

By-law No. 6387/94, a By-law of the City of Winnipeg to repeal By-law No. 6193/93, in the Lord Selkirk-West Kildonan Community. File SL-1 (Vol. 19)

By-law No. 6388/94, a By-law of the City of Winnipeg to repeal By-law No. 6194/93, in the Lord Selkirk-West Kildonan Community. File SL-1 (Vol. 19)

By-law No. 6389/94, a By-law of the City of Winnipeg to repeal By-law No. 6195/93, in the Lord Selkirk-West Kildonan Community. File SL-1 (Vol. 19)

On motion of Councillor Duguid, the rule was suspended and the following by-laws were read a first, second and third time, the rule being suspended for the third reading of each by-law, and were passed and ordered to be signed and sealed, namely:

By-law 6406/94, a by-law of the City of Winnipeg to open the north side of Ness Avenue west of Moray Street. File DAO 21/93

By-law 6407/94, a by-law of the City of Winnipeg to open the north side of Ness Avenue east of Moray Street. File DAO 21/93

Councillor Thomas asked to be recorded as having voted against all three readings of By-law Nos. 6406/94 and 6407/94, in accordance with Rule 50.7 of the Procedure By-law.