

ITEM	2
MANAGER'S REPORT NO.	70
COUNCIL MEETING	93/11/29

TO: CITY MANAGER

DATE: 1993 11 24

FROM: DIRECTOR ENGINEERING,

FILE: 55-03-03

SUBJECT: MACPHERSON AVENUE AT RUMBLE STREET

PURPOSE: To respond to the concerns expressed in the attached correspondence from Gordon and Yvonne Sewell regarding the recent traffic pattern changes at the above intersection.

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**RECOMMENDATION:**

1. THAT a copy of this report be sent to Gordon and Yvonne Sewell of 7989 MacPherson Avenue, Burnaby, B.C., V5J 4P4.

**REPORT**

**BACKGROUND**

At the last meeting, Council staff were asked to respond to the concerns raised in the attached letter through a Council report. The need for a signal at MacPherson Avenue at Rumble Street was anticipated in the planning phase for the new secondary school. Appearing on the agenda for the Regular Council Meeting held on 1992 June 15 was a report from the Traffic and Transportation Committee (Traffic Safety Division) recommending the inclusion of funding for the installation of a traffic signal at the intersection of MacPherson Avenue and Rumble Street. This funding was subsequently approved at the Regular Council Meeting on 1993 January 18. The traffic signal installation is now complete.

**SIGNAL CONFIGURATION**

Figure 1 attached shows the layout of the junctions of MacPherson Avenue and Rumble Street. The north leg of MacPherson Avenue functions as a local collector street serving the new school and the emerging higher density residential area near the Royal Oak SkyTrain station. The south leg of MacPherson is a local residential street. In other similar cases our experience has been that a signal will draw extraneous through-traffic to the lesser residential street.

To protect the residential street, we typically install delta islands on the lesser street, as we have done in this case. However, in this case the offset of the north and south legs physically precludes the operation of the signal with through continuity. To provide continuity we would have had to realign the north leg of MacPherson to match the south - an expensive option with undesirable consequences.

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It would not be operationally desirable to now allow left turn movements to the south leg. The westbound left turn movement conflicts with eastbound traffic approaching or waiting at the new signal. Drivers required to wait for a gap in traffic before they could make the turn would be in danger of a rear end collision as other westbound drivers would not expect vehicles to be stopped on the far side of the signal. For these reasons the westbound to southbound left turn movement has to be prohibited. Similarly, eastbound vehicles queued at the new signal would block northbound vehicles waiting to turn left. If eastbound drivers were to provide a gap in the queue to allow a northbound vehicle through, the driver's view of westbound traffic could have been restricted by vehicles queued at the signal or behind a left turning vehicle.

Similarly, westbound drivers would not see the northbound vehicle until it was encroaching into the westbound lane. The turn restrictions have been clearly indicated by signs and pavement markings. As indicated on Figure 1, the existing pedestrian crosswalk was also relocated from the west side of the south leg of the intersection to the west side of the north leg of the intersection. The access to the new crosswalk has been improved by the addition of wheelchair ramps and pavement to the push-button locations. A crosswalk has also been marked across the south leg of the intersection to provide access to the southwest corner.

## DISCUSSION

As stated in the letter submitted by Gordon and Yvonne Sewell, these changes have resulted in changes to the travel patterns for residents living off MacPherson Avenue returning to their homes from the east. These residents must now either turn at one of the streets east of MacPherson Avenue or continue past to Roslyn or Royal Oak Avenues to the west. This use by area residents will marginally increase traffic on Clinton Street, the east-west local collector. But this increase is small relative to the potential increase in traffic if the signal provided north-south through continuity.

  
DIRECTOR ENGINEERING

BB/PL:  
Attach.

7989 MacPherson Ave.  
Burnaby B. C.  
V5J 4P4  
October 28, 1993

City of Burnaby  
Engineering Department  
4949 Canada Way  
Burnaby, B. C.  
V5G 1M2

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Dear Sir:

We have been residents of the South Slope in Burnaby for the past 30 years. We have lived at 7989 MacPherson Ave for the last 2 1/2 years.

We are very concerned and upset with what has been done to the intersection of Rumble & MacPherson. As of now we are unable to turn left to get to our home from Rumble. We must now jig jog our way down residential side streets where children play or travel past Clinton School. All the residents that live East of MacPherson and South of Clinton live on streets that dead end at the ravine. They have no other way of getting to their homes except from MacPherson. They also will have to use these residential side streets to get to their homes. This will increase the traffic on these streets.

We do not understand why a light was even installed at MacPherson & do not feel the traffic is sufficient to warrant this light. If it was installed for the use of the students of South - well they certainly won't walk that far to cross at that light. We also don't feel enough students even go in that direction.

We pay high taxes in Burnaby and feel a lot more research and thought should have gone into such a Major change in the traffic flow.

We hope that something can be done about this terrible situation.

Yours sincerely,

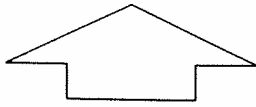
*Gordon Sewell*  
*Yvonne L. Sewell*

Gordon Sewell  
Yvonne Sewell  
55-03-03 434-5467

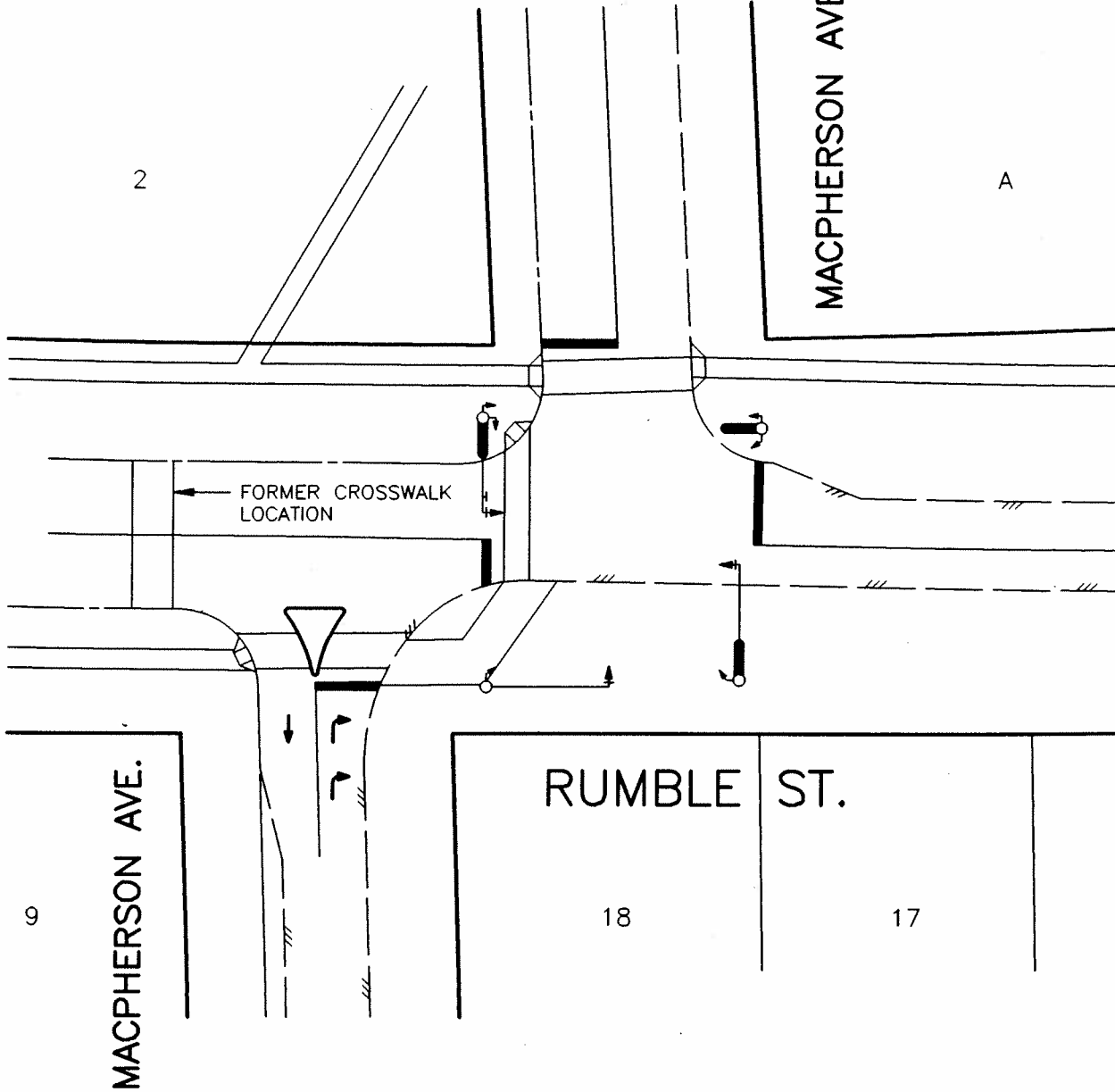
cc: Mayor W.J. Copeland  
Councillor E. Nikolai

PL ✓  
BB ✓

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MACPHERSON AVE.



107

O.	DATE	REVISION



FIGURE 1  
RUMBLE ST. @ MACPHERSON AVE.

DESIGNED BY:	DRAWN BY: J. KO	SCALE: 1:500	<b>A</b> 290
APPRV'D BY:	CHECKED BY:	DATE: 93-11-18	

ITEM	2
MANAGER'S REPORT NO.	29
COUNCIL MEETING	93/05/03

**TO:** CITY MANAGER

**DATE:** 1993 04 27

**FROM:** DIRECTOR ENGINEERING

**FILE:** 10-02-04

**SUBJECT:** WATER SHORTAGE RESPONSE PLAN  
-BYLAW AMENDMENTS

**PURPOSE:** To seek Council authority to introduce amendments to the Waterworks Bylaw to reflect the Water Shortage Response Plan.

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**RECOMMENDATION:**

1. **THAT** the City Solicitor be authorized to bring forward amendments to the Waterworks Bylaw as described in Attachment 2 to this report.

**REPORT**

Council at its meeting of 1993 April 05 endorsed the GVRD 1993 Water Shortage Response Plan.

Staff have subsequently received a letter from the GVRD (attachment 1) requesting member municipalities pass bylaws that reflect the Water Shortage Response Plan initiatives.

The City Solicitor has drafted the necessary amendments (attachment 2) to Burnaby's Waterworks Bylaw. It is recommended that Council authorize the City Solicitor to bring forward amendments to the Burnaby Waterworks Bylaw as described in attachment 2.

  
DIRECTOR ENGINEERING

WCS:mp  
Attach.

cc: Director Administrative & Community Services  
City Solicitor

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Attachment 1

B. E. MARR  
COMMISSIONER

# Greater Vancouver Water District

File: WD 50.48

ESTABLISHED 1924

April 20, 1993

Mr. A. L. Parr  
City Manager  
City of Burnaby  
4949 Canada Way  
Burnaby, B. C.  
V5G 1M2

RECEIVED

1993 APR 20

City Manager's  
Office

4330 KINGSWAY  
BURNABY, B. C.  
CANADA V5H 4G8  
PHONE (604) 432-6200  
FAX (604) 432-6251

Dear Mr. Parr:

Re: 1993 Water Shortage Response Plan

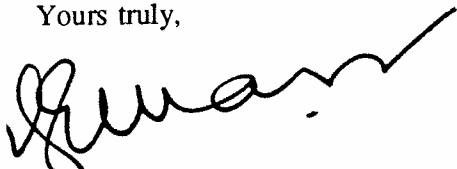
At the February 26, 1993, meeting of this District's Administration Board, the following resolution was adopted:

***THAT the Administration Board receive the report titled Water Shortage Response Plan, dated February 26, 1993, adopt the Plan as proposed, for implementation at the beginning of spring 1993 and circulate the information to member municipalities with a request that they pass bylaws by June 1, 1993, that reflect the initiatives.***

In accordance with the resolution, you are requested to formally adopt the 1993 Water Shortage Response Plan (WSRP) including implementation of Stage II - Twice per week lawn sprinkling restrictions, commencing May 29, 1993. A sample bylaw is enclosed for your reference together with a summary of the WSRP in layman's terms dated April 19, 1993. It is advisable to have the requisite bylaw(s) enacted no later than mid-May.

It is recognized that each city/municipality may need to modify the sample bylaw to suit its own particular requirements, however, it is highly desirable that the WSRP be applied in as uniform a manner as possible throughout the Region. The terms of the WSRP were developed with extensive consultation with members' municipal engineering representatives and input from various affected groups, such as the B. C. Nursery Trades Association and Regional Water Advisory Committee. Your cooperation in implementing the Plan would be appreciated.

Yours truly,



B. E. Marr  
Commissioner

cc. Municipal Clerk  
Municipal Engineer

CITY OF BURNABY

BYLAW NO. \_\_\_\_\_

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A BYLAW to encourage water conservation

The Council of the City of Burnaby ENACTS as follows:

1. This Bylaw may be cited as BURNABY WATERWORKS REGULATION BYLAW 1953, AMENDMENT BYLAW 1993.

2. Burnaby Waterworks Regulation Bylaw 1953 is amended by adding thereto, immediately following section 11, the following section:

"11.1 Schedule "B" containing restrictions on water usage called "Sprinkling Restrictions" is deemed to form part of this Bylaw."

3. The said Bylaw is further amended by adding thereto, following Schedule "A", the following:

"SCHEDULE 'B'"

Read a first time this	day of	1993
Read a second time this	day of	1993
Read a third time this	day of	1993
RECONSIDERED AND ADOPTED THIS	day	1993

MAYOR  
CLERK

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SCHEDULE "B"

SPRINKLING RESTRICTIONS

1. Definitions

In this Schedule,

- (a) "GVWD" means Greater Vancouver Water District;
- (b) "newspaper" means a publication or local periodical that
  - (i) contains items of news and advertising, and
  - (ii) is distributed at least weekly in the City;
- (c) "sprinkle or sprinkling" means the application or distribution of water on lawns or boulevards by sprinkling or spraying but does not include the method known as "drip irrigation";
- (d) "water" means water supplied by the City;
- (e) "WSRP" means the Water Shortage Response Plan prepared by GVWD, a copy of which is available for viewing at the office of the Commissioner of GVWD at 4330 Kingsway, Burnaby, B.C., V5H 4G8, or at the office of the City of Burnaby at 4949 Canada Way, Burnaby, B.C. V5G 1M2.

2. Prohibition

2.1 Between the last Saturday of May and September 30th in each year no person shall sprinkle or allow sprinkling except in compliance with the provisions of this Bylaw.



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3. Sprinkling Restrictions

3.1 If the Commissioner of GVWD advises the City in writing that in accordance with the WSRP a reduction in water use is necessary requiring Stage II restrictions under the WSRP, no person shall sprinkle or allow sprinkling except at premises

- (a) with even numbered civic addresses on Wednesdays and Saturdays between the hours of 4:00 a.m. and 9:00 a.m. and between the hours of 7:00 p.m. and 10:00 p.m., and
- (b) with odd numbered civic addresses on Thursdays and Sundays between the hours of 4:00 a.m. and 9:00 a.m. and between the hours of 7:00 p.m. and 10:00 p.m..

3.2 If the Commissioner of GVWD advises the City in writing that in accordance with the WSRP a reduction in water use is necessary requiring Stage III restrictions under the WSRP, no person shall

- (a) sprinkle or allow sprinkling except at premises
  - (i) with even numbered civic addresses on Wednesdays between the hours of 4:00 a.m. and 9:00 a.m. and between the hours of 7:00 p.m. and 10:00 p.m., and
  - (ii) with odd numbered civic addresses on Thursdays between the hours of 4:00 a.m. and 9:00 a.m. and between the hours of 7:00 p.m. and 10:00 p.m.;
- (b) utilize a hose to wash down or hose roofs, sidewalks or driveways;

- (c) wash motor vehicles with a hose unless the hose is equipped with a shut off device that is spring loaded and operates by using hand pressure.

3.3 If the Commissioner of GVWD advises the City in writing that in accordance with the WSRP a reduction in water use is necessary requiring Stage IV restrictions under the WSRP, no person shall

- (a) sprinkle or allow sprinkling at any time;
- (b) utilize a hose to wash down or hose roofs, sidewalks or driveways;
- (c) at any time water or spray any trees, shrubs, flowers or vegetables (except for large gardens forming part of apartment, townhouse or other multi-dwelling premises and commercial buildings where hand watering is impractical) or wash motor vehicles with a hose unless such spraying, watering or washing is done by way of a hand held container or hose equipped with a shut off device that is spring loaded and operates by using hand pressure.

3.4 The provisions of sections 3.1 to 3.3 inclusive do not apply to a person who has a valid and subsisting permit issued under section 5.1 or to the class of water users exempted in section 6.1.

4. Notice

4.1 Sufficient notice of the restrictions set out in section 3 of this Bylaw or in any change or revocation thereof shall be deemed to have been given by an announcement made on behalf of the City through a radio or television station broadcasting in the area of the City or by one publication in a newspaper not less than 72 hours prior to the commencement, change or revocation of the restrictions.

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5. Permits

5.1 A person who has installed a new lawn, either by placing sod or turf or by seeding, or who has installed new landscaping on a substantial part of the outdoor portion of premises may apply to the City for a permit that will entitle the permittee to sprinkle at any time during the currency of the permit.

5.2 A permit issued under section 5.1 shall be valid for a period of 21 days after the date of its issue and shall be conspicuously displayed at the premises for which it was issued.

5.3 After the expiration of a permit issued under section 5.1 a person may apply for and obtain one subsequent permit under section 5.1.

6. Exemptions

6.1 This Schedule does not apply to nurseries, farms or golf courses.

