

AGENDA

COMMITTEE OF THE WHOLE

Tuesday, June 17, 2014

5:30 p.m.

Council Chamber, Municipal Hall

355 West Queens Road,

North Vancouver, BC

Council Members:

Mayor Richard Walton

Councillor Roger Bassam

Councillor Robin Hicks

Councillor Mike Little

Councillor Doug MacKay-Dunn

Councillor Lisa Muri

Councillor Alan Nixon



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COMMITTEE OF THE WHOLE

5:30 p.m.
Tuesday, June 17, 2014
Committee Room, Municipal Hall,
355 West Queens Road, North Vancouver

AGENDA

1. ADOPTION OF THE AGENDA

1.1. June 17, 2014 Committee of the Whole Agenda

Recommendation:

THAT the agenda for the June 17, 2014 Committee of the Whole be adopted as circulated, including the addition of any items listed in the agenda addendum.

2. ADOPTION OF MINUTES

2.1. May 12, 2014 Committee of the Whole

p. 7-12

Recommendation:

THAT the minutes of the May 12, 2014 Committee of the Whole meeting be adopted.

3. REPORTS FROM COUNCIL OR STAFF

3.1. Metro Vancouver Capilano Watermain No. 9 File No.

p. 15-18

Presentation: Mr. Goran Oljaca, Engineering and Construction Division Manager,
Water Services Department, Metro Vancouver

4. PUBLIC INPUT

(maximum of ten minutes total)

5. RISE AND REPORT

Recommendation:

THAT the June 17, 2014 Committee of the Whole rise and report.

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MINUTES

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**DISTRICT OF NORTH VANCOUVER
COMMITTEE OF THE WHOLE**

Minutes of the Committee of the Whole Meeting of the Council for the District of North Vancouver held at 7:02 p.m. on Monday, May 12, 2014 in the Committee Room of the District Hall, 355 West Queens Road, North Vancouver, British Columbia.

Present: Mayor R. Walton
Councillor R. Bassam
Councillor R. Hicks
Councillor M. Little
Councillor A. Nixon

Absent: Councillor D. MacKay-Dunn
Councillor L. Muri

Staff: Mr. D. Stuart, Chief Administrative Officer
Mr. B. Bydwell, General Manager – Planning, Properties & Permits
Ms. C. Grant, General Manager – Corporate Services
Mr. S. Ono, Acting General Manager – Engineering, Parks & Facilities
Mr. J. Gordon, Manager – Administrative Services
Ms. S. Haid, Manager – Sustainable Community Development
Ms. M. Wellman, Manager – Strategic Communications & Community Relations
Ms. J. Pavey, Section Manager – Environmental Sustainability
Ms. L. Brick, Confidential Council Clerk
Ms. T. Smith, Transportation Planner
Mr. S. Rooney, Project Engineer

Also in

Attendance: Mr. Goran Oljaca, Engineering and Construction Division Manager, Water Services Department, Metro Vancouver
Ms. Vanessa Anthony, Consultation and Community Relations Coordinator, Liquid Waste and Water Services Departments, Metro Vancouver
Mr. Hein Steunenbergh, Senior Engineer, Metro Vancouver
Mr. Peter Thompson, Chair, CMAC

1. ADOPTION OF THE AGENDA

1.1. May 12, 2014 Committee of the Whole Agenda

MOVED by Councillor LITTLE

SECONDED by Councillor BASSAM

THAT the agenda for the May 12, 2014 Committee of the Whole be adopted as circulated, including the addition of any items listed in the agenda addendum.

CARRIED

2. ADOPTION OF MINUTES

2.1. April 14, 2014 Committee of the Whole

MOVED by Councillor HICKS
SECONDED by Councillor NIXON

THAT the minutes of the April 14, 2014 Committee of the Whole meeting be adopted.

CARRIED

3. REPORTS FROM COUNCIL OR STAFF

With the consent of Council, Mayor Walton varied the agenda as follows:

3.2. Moving Forward on Electric Vehicle Charging Stations in the District of North Vancouver

File No. 16.8620.01/013.000

Ms. Julie Pavey, Section Manager – Environmental Sustainability, and Ms. Tegan Smith, Transportation Planner, provided an update to Council regarding electric vehicle ready parking in new multi-family developments through the rezoning process and appropriate provision for electric vehicle charging stations in commercial developments. Staff highlighted the importance of electric vehicles to the District's 2030 Vision.

Ms. Smith highlighted the importance of electric vehicles in the District's sustainable transportation system, noting that it is expected that 65% of trips will be made by car in 2030. Staff noted that the carbon footprint of electric vehicles is so low that by making a switch you can reduce your footprint by 97%.

It was noted that the North Shore has a high rate of early adopters of alternative vehicles per capita. Staff provided an overview of the different models of electric vehicles available and the range of styles. It was noted that BC has the highest percentage of market share in Canada.

There are three levels of electric vehicle charging stations:

Level 1:

- Standard voltage in electrical plug;
- Draws 1.4 kW power; and,
- Full charge 12-20 hours.

Level 2

- 240 volt plug;
- Draws 7.7kW power; and,
- Charges in 4-6 hours.

Level 3

- 450 volt DC; and,
- Rapid charging in 30 minutes.

Staff noted that they:

- Are currently reviewing the purchase of electric vehicles for the municipal fleet;
- Have worked with the region to identify key charging locations;
- Conducted a focus group with local strata councils to identify requirements for charging stations in existing strata buildings;
- Installed several Level 2 charging stations in the District; and,
- Are working on the creation of guidelines for electric vehicle charging stations.

Council Discussion:

Council inquired who in the strata corporations will pay for the electricity; staff advised that a possible solution is for the strata to charge a monthly rate for the use of the electric vehicle infrastructure.

Council commented they support the rezoning bylaw amendment to implement the Level 1 infrastructure. Council encouraged that Level 2 conduits be provided to each of the general parking areas; however, individual strata councils are responsible for implementing the adaption of the space as it is needed or to the level of new technology as it becomes available.

It was noted that it is more economical to install a conduit as part of the construction process than retrofitting after construction is completed. Discussion ensued regarding the costs. It was noted that District staff support the 20% electric vehicle ready parking stall requirement.

MOVED by Councillor BASSAM

SECONDED by Councillor HICKS

THAT the Committee of Whole recommends to Council:

THAT Council direct staff to implement electric vehicle (EV) ready guidelines outlined in the report “Moving Forward on Electric Vehicle Charging Stations in the District of North Vancouver” by the Section Manager, Environmental Sustainability, dated May 1, 2014, specifically:

- a) A minimum of 20% EV-ready parking stalls (with the appropriate mix of Level 1 and Level 2 charging stations and encouragement of pre-ducting for future access to 100% Level 1 charging stations) in new multi-family developments through the rezoning process;
- b) The appropriate provision for EV-ready Level 2 charging stations in new commercial and institutional developments focusing on Town and Village Centres; and,
- c) Report back to Council in 12-18 months on progress to implement EV-ready charging infrastructure and recommended bylaw changes to effectively implement EV-ready charging infrastructure.

AND THAT staff report back on the cost and technical impacts of the implementation of this policy by September 2014.

CARRIED

3.1. Capilano Watermain No. 9 Project

File No.

Presentation: Mr. Goran Oljaca, Engineering and Construction Division Manager, Water Services Department and Ms. Vanessa Anthony, Consultation and Community Relations Coordinator, Liquid Waste and Water Services Departments, Metro Vancouver

Mr. Sean Rooney, Project Engineer, provided a project overview of Metro Vancouver's Capilano Watermain No. 9 installation project. Watermain No. 9 will be installed under Capilano Road from the Capilano Dam to Edgemont Boulevard and replace Metro Vancouver's Watermain No. 4. It was noted that Watermain No. 4 has reached the end of its design life, is in a location which is vulnerable to seismic activity, and located within Capilano Regional Park.

Mr. Goran Oljaca, Engineering and Construction Division Manager, Water Services Department, Metro Vancouver, highlighted the following:

- Cleveland Dam was built in 1950's;
- Capilano Watermain No. 4 was built in 1930's;
- The replacement, Watermain No. 9, will increase capacity;
- Watermain No. 5 is not being twinned due to cost and the environmental sensitivity of the area in which it is located within Capilano Regional Park;
- An alternate route was considered through the residential community adjacent to Capilano Road, the community spoke against this route;
- A traffic consultant was hired to review the detour/bypass routes through the neighbourhood;
- The construction area will 250 metres long and move progressively down Capilano Road as construction progresses;
- Detours will be implemented as the project moves down Capilano Road; and,
- Local residents will have access up to either side of the construction zone but will not have access to their properties during construction on their immediate block.

Mr. Oljaca reviewed the methodology of determining the watermain route outlining the issues with the other possible routes which included topography and the impact on environmentally sensitive areas within the park. Metro Vancouver acknowledged the tremendous impact of the proposed route on the community but is working directly with residents to address concerns and provide information.

It was noted that during active construction Capilano Road will be closed in both directions; outside of the active construction hours it is anticipated that one lane will be opened to traffic. Mr. Oljaca reviewed the proposed detour routes and timeline of the construction project.

Mr. Oljaca advised that Metro Vancouver proposes installing a temporary traffic light in the Village. Council noted that the proposed route through Edgemont Village will be problematic due to the two major development projects within Edgemont Village and the impacts on the two schools in the area. Council commented that rerouting traffic to Delbrook, which has a higher capacity, would be a better alternative.

Council inquired about the cost differential between digging in Capilano Regional Park and digging up Capilano Road. The cost of Capilano Road is \$30 million and running parallel to Capilano Watermain No. 5 is \$60 million.

The first public consultation meeting regarding construction hours and timeline is scheduled for June 12 at Highlands United Church. Council discussed proposed options for the length of the construction day and week. A suggestion was made that two meetings be held to discuss the issues with the project and the impact on the community. Discussion ensued regarding the strategy for disseminating the information to the public.

Public input will be sought on the following strategies:

- Route selection;
- Traffic management strategy;
- Construction impact mitigation; and,
- Public process.

Mayor Walton will be a participant on CMAC as a second representative from Council for the duration of this project. Staff noted that there is a need for the involvement of a representative from the Ministry of Transportation and Infrastructure to assist with routing signage from Highway #1.

Council raised concerns regarding:

- Parking issues;
- Access issues;
- Notification of residents;
- Length of construction; and,
- Timing of construction.

Staff advised that a second meeting between Council and Metro Vancouver staff will be organized to further discuss these issues.

4. PUBLIC INPUT

Nil

5. RISE AND REPORT

MOVED by Councillor NIXON

SECONDED by Councillor BASSAM

THAT the May 12, 2014 Committee of the Whole rise and report.

CARRIED

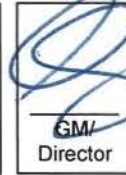
(9:17 pm)

Mayor

Municipal Clerk

REPORTS

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The District of North Vancouver INFORMATION REPORT TO COUNCIL

June 6, 2014

File: 01

AUTHOR: Sean Rooney, P.Eng.
DNV Project Engineer

SUBJECT: Briefing Note – Capilano Watermain No 9
Committee of the Whole - June 17th, 2014

REASON FOR REPORT:

At the May 12th, 2014 Committee of the Whole meeting, DNV and Metro Vancouver staff introduced Metro Vancouver's Capilano Watermain No. 9 project. A second meeting between Council and Metro Vancouver staff will be held during the June 17th, 2014 Committee of the Whole meeting. This briefing note aims to provide further project background and outline Metro's presentation for the June 17th meeting.

BACKGROUND:

The project involves construction of a new 2.1m ø steel watermain (No. 9) under Capilano Road from Cleveland Dam Parking Lot to Edgemont Boulevard. The new watermain is required to increase capacity in the Lower Mainland's water distribution system. The proposed watermain alignment is shown in Figure 1. The new watermain will replace the Capilano Main No. 4 which was built in the 1930's and is located in Capilano Park. Main No. 4 has reached its design life and is in a location vulnerable to seismic activity. Twinning of the existing main at its current location would cost substantially more than the proposed alignment and involve construction in an environmentally sensitive area within Capilano Regional Park and the Capilano River Canyon. An alternate route was considered through the residential area adjacent to Capilano Road, but was met with opposition from residents.

Metro Vancouver has retained a transportation engineering consultant to review detour and bypass routes through the affected neighbourhood. The proposed primary detour route is shown in Figure 1. The construction zone is estimated to be approximately 250 meters long and move down Capilano Road as construction progresses. Local detours shall be implemented as the construction proceeds down Capilano Road such that local residents will have access to either side of the construction zone but may not have vehicle access during construction works in front of their property. To facilitate the construction works Capilano

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Road would be closed in both directions during working hours, but one lane will be left open outside of the active construction hours.

During the May 12th meeting Council raised concerns regarding:

- Length and timing of construction
- Parking and access issues
- Notification of residents
- Detour through Edgemont Village with two major development projects ongoing
- Impacts to schools in the area (Handsworth Secondary, Cleveland Elementary, etc.)
- Requires involvement of MOTI to assist with signage from the highway
- 'Rat-running' through local residential streets

Following the May 12th meeting, further discussions on the project were held during the May 21, 2014 CMAC meeting. Additional concerns raised by CMAC were:

- Consider options for construction of pipe with two crews at different locations to compress the project schedule
- Get firm answer on possibility of shuttle bus for transit access for residents along route
- Emergency access during construction
- Paving and lane re-painting along Highland Boulevard
- Removal of parking along detour routes
- Coordination of project with 3rd party utilities (Hydro, Telus, Fortis etc.)

OUTLINE OF METRO'S PRESENTATION (slides to follow prior to meeting)

- Options for Capilano Watermain No. 9 construction Schedule (both options take into account a 6 day work week):
 - o Option 1 – 1 construction crew
 - o Option 2 – 2 construction crews starting at either end of the project

Criteria for the 2 crew methodology to work:

1. Maintain operational requirements of the existing water system
 2. Ensure route is logistically constructible and will not result in additional detours
 3. Ensure stakeholder input is taken into account
 4. Compatibility with the traffic management plan
- Response to concerns received from Council and CMAC.

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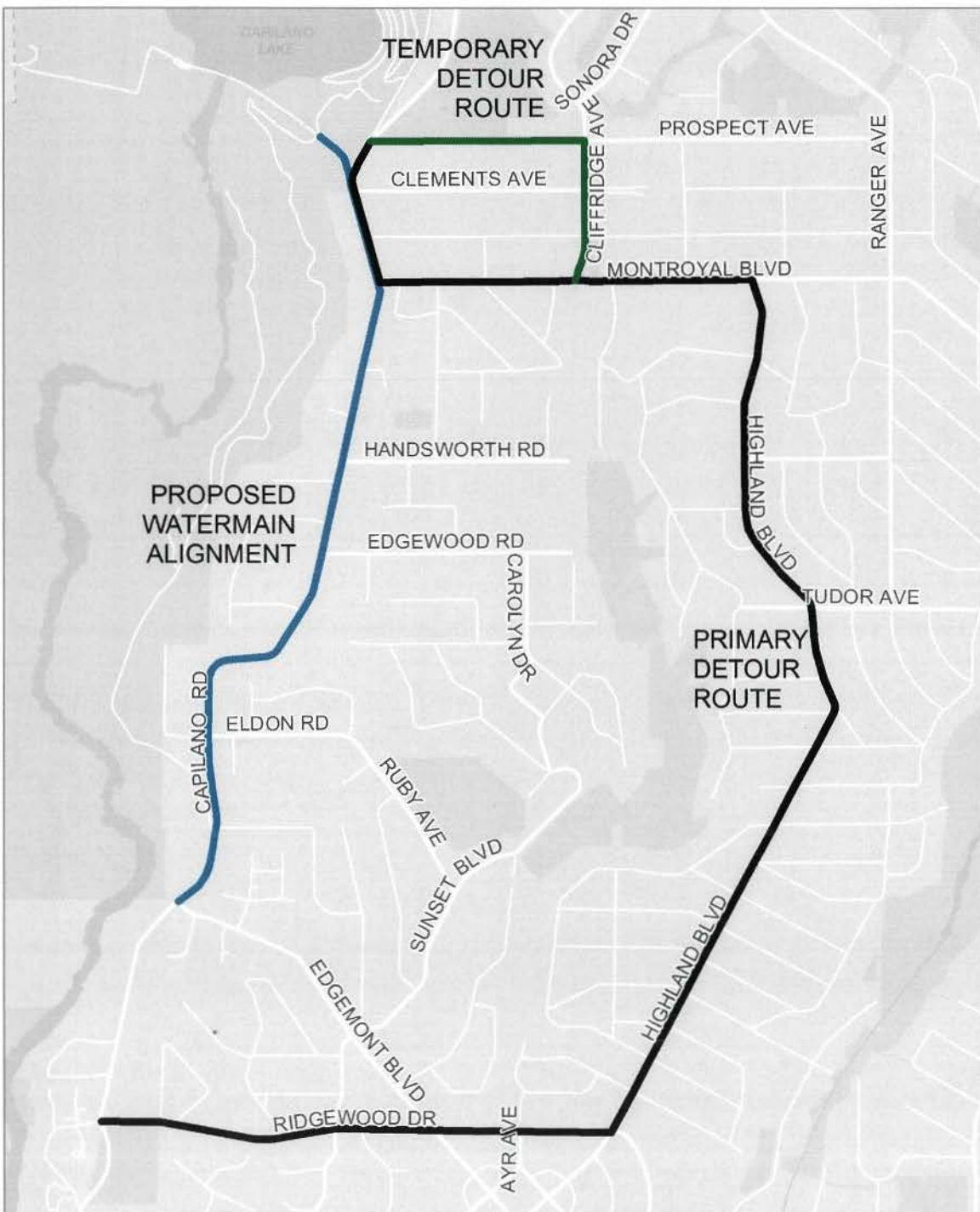


Figure 1: Proposed Watermain Alignment and Detour Routes

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Respectfully submitted,



Sean Rooney, P.Eng.
Project Engineer.

REVIEWED WITH:					
<input type="checkbox"/> Sustainable Community Dev.	_____	<input type="checkbox"/> Clerk's Office	_____	External Agencies:	
<input type="checkbox"/> Development Services	_____	<input type="checkbox"/> Communications	_____	<input type="checkbox"/> Library Board	_____
<input type="checkbox"/> Utilities	_____	<input type="checkbox"/> Finance	_____	<input type="checkbox"/> NS Health	_____
<input type="checkbox"/> Engineering Operations	_____	<input type="checkbox"/> Fire Services	_____	<input type="checkbox"/> RCMP	_____
<input type="checkbox"/> Parks & Environment	_____	<input type="checkbox"/> ITS	_____	<input type="checkbox"/> Recreation Com.	_____
<input type="checkbox"/> Economic Development	_____	<input type="checkbox"/> Solicitor	_____	<input type="checkbox"/> Museum & Arch.	_____
<input type="checkbox"/> Human resources	_____	<input type="checkbox"/> GIS	_____	<input type="checkbox"/> Other:	_____