



**District of  
North Saanich**

***STAFF REPORT***

To: Rob Buchan  
Chief Administrative Officer

Date: October 17, 2018

From: Eymond Toupin  
Director of Infrastructure Services

File:

Re: **Approval of Change Order for 2018 Water Main Renewal Project**

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**RECOMMENDATION(S):**

That Council approve the \$37,831.00 change order (exclusive of taxes) to the 2018 Watermain Project on Lands End Road.

**STRATEGIC PLAN IMPLICATIONS:**

This matter relates to the following Council strategic priorities:

***Maintain a Safe and Healthy Community***

***Ensure Strong Leadership, Fiscal Responsibility and Transparent Government***

**DISCUSSION:**

During construction of the 2018 watermain renewal project on Lands End Road a potential improvement to local drainage system was identified in the immediate project area which could be incorporated into the watermain project. As a matter of course, staff take into consideration deficiencies in infrastructure (e.g. such as drainage) which can be addressed as part of other larger projects in an area (in this case a water main renewal).

The drainage feature of concern is a drainage channel constructed on the low (north side) of Lands End Road which includes a berm to prevent stormwater contained in the channel to flow onto the adjacent downslope property. The channel itself also presents a potential safety and maintenance concern as it is relatively deep and steep sloped.

A cost was obtained for the proposed additional works from the watermain construction contractor (C-1 Contractors Ltd.) at a value of \$37,831.00. The works to be completed as part of this change order include the provision of a new manhole, approximately 33m of 450mm drain piping, and connection to the existing manhole and cross-culvert. In accordance with the District purchasing policy, change orders in excess of \$25,000 require approval from Council.

This cost is commensurate for the works included and takes into account the contractor already being on site. In other words, no further or separate mobilization of resources is required which is therefore more cost-effective than completion by District forces or through a separate future contract assignment.

**OPTIONS:**

Council can:

1. Approve the \$37,831.00 change order (exclusive of taxes) to the 2018 Watermain Project on Lands End Road;
2. Other.

**FINANCIAL IMPLICATIONS:**

Staff propose funds for the change order be obtained from the non-statutory General Infrastructure Replacement Reserve. A balance of \$242,998 is projected to be available in that reserve at the end of 2018. Each year \$178,000 is added to the reserve. The 2018 Water Main Renewal (Contract 2018-01) was originally awarded to C-1 Contractors Ltd. at a total bid of \$464,338.00 (excluding taxes) which is being funded from the Water System Reserve.

**LEGAL IMPLICATIONS:**

None are anticipated.

**CONSULTATIONS:**

The adjacent property owner at 570 Lands End Road is aware of the potential works and is in favour of their completion.

**INTERDEPARTMENTAL INVOLVEMENT/IMPLICATIONS:**

Finance was consulted to confirm the availability of funds for the change order.

**SUMMARY/CONCLUSION:**

A storm drain improvement was identified during the course of constructing the 2018 watermain renewal on Lands End Road. Through a change order process a cost of \$37,831.00 was obtained from the watermain construction contractor to complete these works. Staff respectively submit the following recommendation:


**RECOMMENDATION:**

That Council approve the \$37,831.00 change order (exclusive of taxes) to the 2018 Watermain Project on Lands End Road.

Respectfully submitted,

  
\_\_\_\_\_  
Eymond Toupin  
Director of Infrastructure Services

Concurrence,

  
\_\_\_\_\_  
Rob Buchan  
Chief Administrative Officer

Concurrence:

\_\_\_\_\_  
Stephanie Munro, Director Financial Services

\_\_\_\_\_  
Aaron Duff, Works Superintendent

\_\_\_\_\_  
Anne Berry, Director Planning & Community  
Services

\_\_\_\_\_  
Curt Kingsley, Director Corporate Services

\_\_\_\_\_  
John Trelford, Director Emergency Services



**NOTICE OF CONTEMPLATED CHANGE NUMBER C-1 – 2018 WATERMAIN RENEWAL PROJECT  
LANDS END ROAD, LOON RD DRAINAGE REVISIONS**

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<b>PROJECT:</b>	2018 Watermain Renewal Project	<b>FILE NO.</b>	111720063
<b>CONTRACTOR:</b>	C-1 Contractors Ltd.	<b>PAGE</b>	1 OF 2
<b>OWNER:</b>	District of North Saanich		
<b>LOCATION:</b>	Corner of Loon Road and Lands End Road, North Saanich, BC		

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- This is a Notice of Contemplated Change for which we request a quotation
- This is not authority to proceed with changes referred to herein
- All changes which affect the Contract shall only proceed under a Change Order
- The price submitted for the Contemplated Change Notice shall show breakdown of equipment material and labor and shall include mark-up where applicable.
- The price submitted is to be full and final and shall include original subtrade and supplier quotations and supporting calculations and include all direct, indirect and related impact costs.
- The submission shall include any adjustments in Contract Time.
- Please submit within three calendar days of the date hereon.

**Description:**

1. Remove and dispose of existing concrete sandbag headwalls and spillways at the east and west ends of the existing ditch fronting Lot 507 Lands End Road.
2. Install new 1050 mm storm drain manhole to accept flows and direct them east from the existing 400mm concrete stormwater crossing at station 1+280 Lands End Road per MMCD Standard Drawings S1, and S2. Approximate depth from Inlet Invert to rim to be 1.25m +/-.
3. Connect new DMH to the west Inlet of the existing DMH located on Loon Road with approximately 33m +/- of 450mm SDR 35 gasketed PVC pipe. New pipe to be grouted directly into the existing DMH on Loon Road.
4. Infill the existing ditch to provide a consistent slope between existing edge of pavement and the existing adjacent landscape beds on the north side of the ditch. Ditch fill material to be as per Detail 3 on drawing C201. Finished grade to be reinstated to grass boulevard.

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Design with community in mind





August 27, 2018  
Page 2 of 2

**REFERENCE: NOTICE OF CONTEMPLATED CHANGE NUMBER C-1 – 2018 WATERMAIN  
RENEWAL PROJECT LANDS END ROAD, LOON RD DRAINAGE REVISIONS**

5. The Existing utility pole adjacent to the existing DMH on Loon Road may require support during the work. Contractor to review their proposed Installation process and confirm if required. If the pole hold is required provide a cost for this work included with this quotation.
6. Refer to attached sketch CCN C-1 for general configuration.

**1. Impact on Contract Completion Date:**

Contractor to provide their expected Impact on the contract completion date for discussion.

Originated By:	Owen luckhurst,		August 27, 2018
	Print Name	Signature (Stantec)	Date
Requested By:	EDMOND TUPIN		August 27, 2018
	Print Name	Signature (District of North Saanich)	Date

**Copies:**

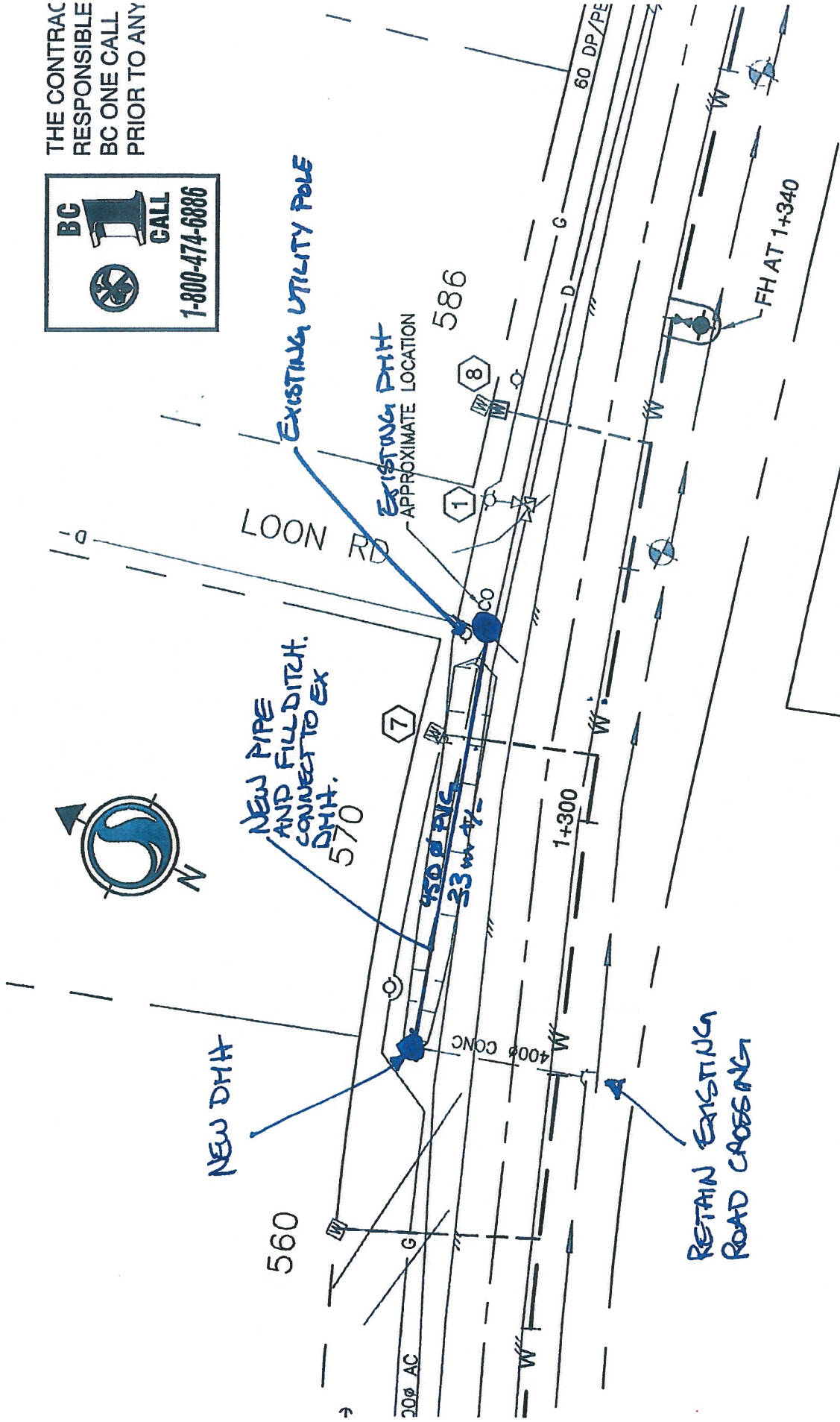
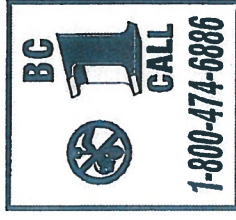
- Jeff Ball, Stantec

# 2018 WATERMAIN RENEWAL.

# LOON RD. DRAINAGE REVISIONS

AUG 27, 2018

THE CONTRACTOR  
RESPONSIBLE  
BC ONE CALL  
PRIOR TO ANY



SKETCH CUN C-1  
SCALE: N.T.S.





## Change Order # C-1 Loon Rd Drainage

**Project:** 2018 Watermain Renewal Project  
**Owner:** District of Noth Saanich  
**Project No.** 111720063  
**Contractor:** C-1 Contractors Ltd.

**CHANGE ORDER:** Subject to the Terms and Conditions of the Contract, the Contractor is hereby directed to promptly proceed with the drainage works proposed in the attached CCN C-1 generated by the Contract Administrator Stantec Consulting Ltd and priced by C-1 Contractors

The Contract Price\* is ☒ Increased ☐ decreased by \$37,831.00 excluding applicable taxes  
The Contract Time is hereby ☐ Increased ☐ decreased by 4 days.

Change Order reviewed by Consultant:

Consultant's Signature: \_\_\_\_\_

Date: 2018/10/15

Change Order Authorized by Contractor:

Contractor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Change Order Authorized by Owner:

Owner's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Distribution:	<input checked="" type="checkbox"/>	Owner	<input type="checkbox"/>	Structural
	<input checked="" type="checkbox"/>	Contractor	<input type="checkbox"/>	Mechanical
	<input type="checkbox"/>	Architect	<input type="checkbox"/>	Electrical
	<input checked="" type="checkbox"/>	Civil Engineer	<input type="checkbox"/>	