



ENGINEERING  
CONSULTANTS LTD

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July 14, 2020

17-063

Mr. Vance Czerwinski  
Director of Infrastructure and Public Works  
Municipality of West Grey  
402813 Grey County Road 4, RR2  
Durham, ON N0G 1R0

**Re: Existing Watermain Replacement at Chester St. and Bruce St. N. Intersection**

Dear Mr. Czerwinski:

I am writing this letter concerning the condition of the watermain in the intersection of Chester Street and Bruce Street North. The original tender required replacement of watermain on Bruce Street and connection only to Chester Street watermain.

During construction, it was noted that the existing watermain was 100 mm cast iron and in fragile condition. Verbal recommendation was made to West Grey to replace the 100 mm watermain with 150 mm PVC watermain at least within the intersection. However, it was decided not to proceed with the replacement apparently due to lack of funds.

Sometime in February 2020, the cast iron watermain developed a crack and started leaking. It was repaired by the contractor and subsequently it was felt by the water department and GSS staff that the cast iron watermain should be replaced as recommended during construction in order to avoid patches in newly constructed road, in future. A quotation has been received from two (2) contractors and both are similar in price for undertaking the work as per Figure 4 enclosed.

The quoted price including watermain replacement, granular backfill, base course asphalt paving, repair of the damaged curb and gutter, traffic control, etc. is **\$50,805.00 plus HST**.

Near the intersection of George Street and Bruce Street there was an existing cast-in-place concrete storm structure, which was massive, deep with fragile incoming storm sewer. It was not replaced under contract as it was expensive, and the condition did not warrant the big expense. However, it was in the middle of the new sidewalk. To correct the problem, we need to place a custom made cover over catchbasin and replace 3 to 4 sidewalk panels for an estimated cost of **\$3,000.00 plus HST**.

By way of this letter, I recommend that an approval is obtained from Council for additional funding of **\$53,805.00 plus HST** for undertaking the replacement of the watermain in the Chester St./Bruce St. intersection and correcting the sidewalk near George St.

If you have any questions or concerns, please do not hesitate to contact me at this office.

Sincerely,

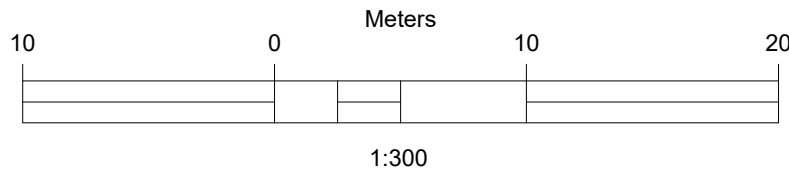
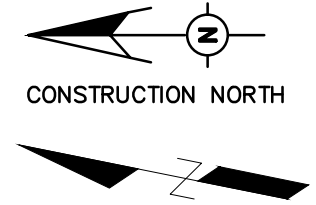
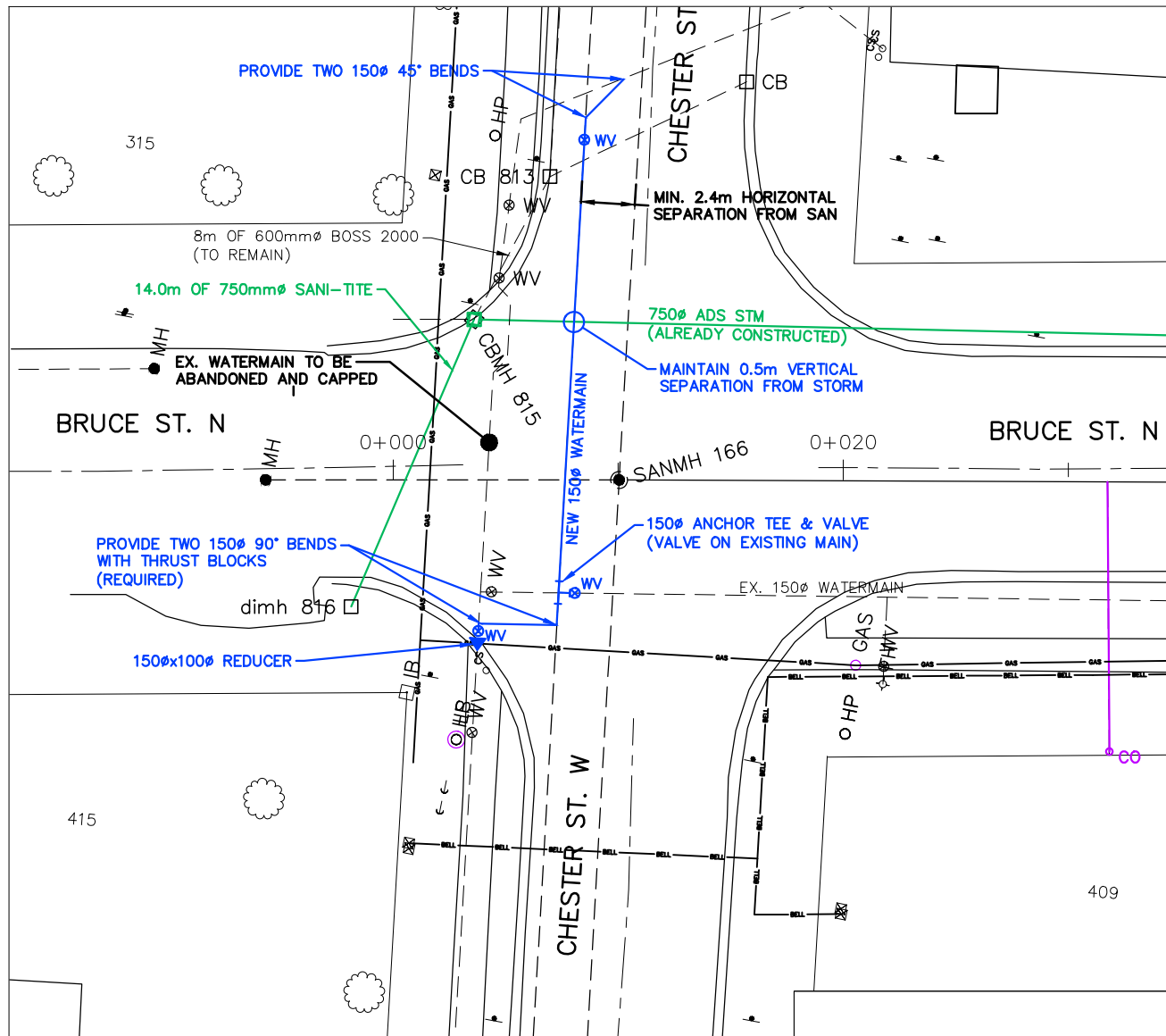
**GSS ENGINEERING CONSULTANTS LTD.**



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Rakesh Sharma, M.A.SC. P. Eng.  
Secretary-Treasurer

RS/mg  
Encl.



**PROPOSED WATERMAIN REPLACEMENT  
BRUCE ST. N & CHESTER ST. W - DURHAM  
MUNICIPALITY OF WEST GREY**



Design:	JVM
Drawn:	TDL
APPROVED:	RS
Date:	JUNE 2020
Scale:	1:300
FILE No.	17-063
FIG. No.	Fig. 4