



# Corporate Report

NO: R181

COUNCIL DATE: July 19, 2004

---

## REGULAR COUNCIL

TO: Mayor & Council                      DATE: July 12, 2004  
FROM: General Manager,  
Engineering                                  FILE: 4703-121  
SUBJECT: Pre-Qualification of Tenderers for Sanitary Sewer  
Service Lateral Repair and Replacements

---

## RECOMMENDATION

1. That the following contractors be pre-qualified and invited to submit tenders for the City sanitary service lateral repair and replacement projects in 2004 to 2006.

- PW Trenchless Construction Inc.
- Mar-Tech Underground Services Ltd.
- Targa Contracting Ltd.
- Sandpiper Contracting Ltd.

2. That the list be updated, by advertising and evaluating new interested contractors in 2005 and 2006, if service lateral repair and replacement projects have been identified in the year.

## BACKGROUND

The City has recently completed a sanitary sewer video inspection program in the North Surrey area where there are a number of older subdivisions. The video inspection includes video inspecting the sanitary sewer mains and the sanitary service laterals, which are the lines connecting buildings to the City sewer main in the street. The video inspections revealed some laterals installed in the 1950's and 1960's are starting to deteriorate and require repair or replacement. Specifically, a number of these laterals were constructed of bituminous fibre pipe called 'no-corrode', and are starting to collapse.

Three methods were identified to repair or replace the deficient laterals:

- Open Cut Excavation
- Pipe Bursting
- Relining

Open cut has been the traditional method for service lateral replacement, and it typically used for short pipe lengths (i.e. less than 5 metres). Recently trenchless technologies such as pipe bursting and relining have been applied to successfully repair and replace long service laterals (i.e. more than 5 metres).

## DISCUSSION

As these laterals provide service from the sewer main in the street to private properties, there can often be significant restoration costs as many boulevards have extensive landscaping, sidewalks, and other construction constraints; therefore trenchless methods of repairs or replacements can be the preferred method from both a financial and practical standpoint.

As the use of trenchless technologies is a relatively new approach for repair and replacing service laterals, there are very few experienced contractors completing this work in the lower mainland. To avoid soliciting a contractor with little or no experience in trenchless construction, a pre-qualification process is proposed for this program.

Using the parameters developed by the dyke construction pre-qualification program, the City has completed a pre-qualification process. For this program, an advertisement was issued earlier this year inviting Statement of Qualifications from contractors. A package outlining a typical project and the skills necessary to complete the work was made available to the contractors.

## EVALUATION

Statement of Qualifications from contractors were evaluated on the following categories:

- Experience in open cut, relining, and pipe bursting work
- Suitable equipment
- Qualified personnel
- Sub-contractor experience
- References from past and ongoing projects

A number of criteria were identified and a scoring system utilized to rank each of the contractors. Out of the 6 contractors who submitted Statement of Qualifications, 4 met the criteria and area qualified to tender for upcoming service repair and replacement projects.

Paul Ham, P.Eng.  
General Manager, Engineering

VL/JA/rdd/kjj

g:\wp-docs\2004\utilities\07120958vl.doc  
KJJ 7/19/04 8:57 AM