

**REQUEST FOR PROPOSAL NO. PS20141139  
MARINE ENGINEERING CONSULTING SERVICES FOR THE  
BURRARD CIVIC MARINA**

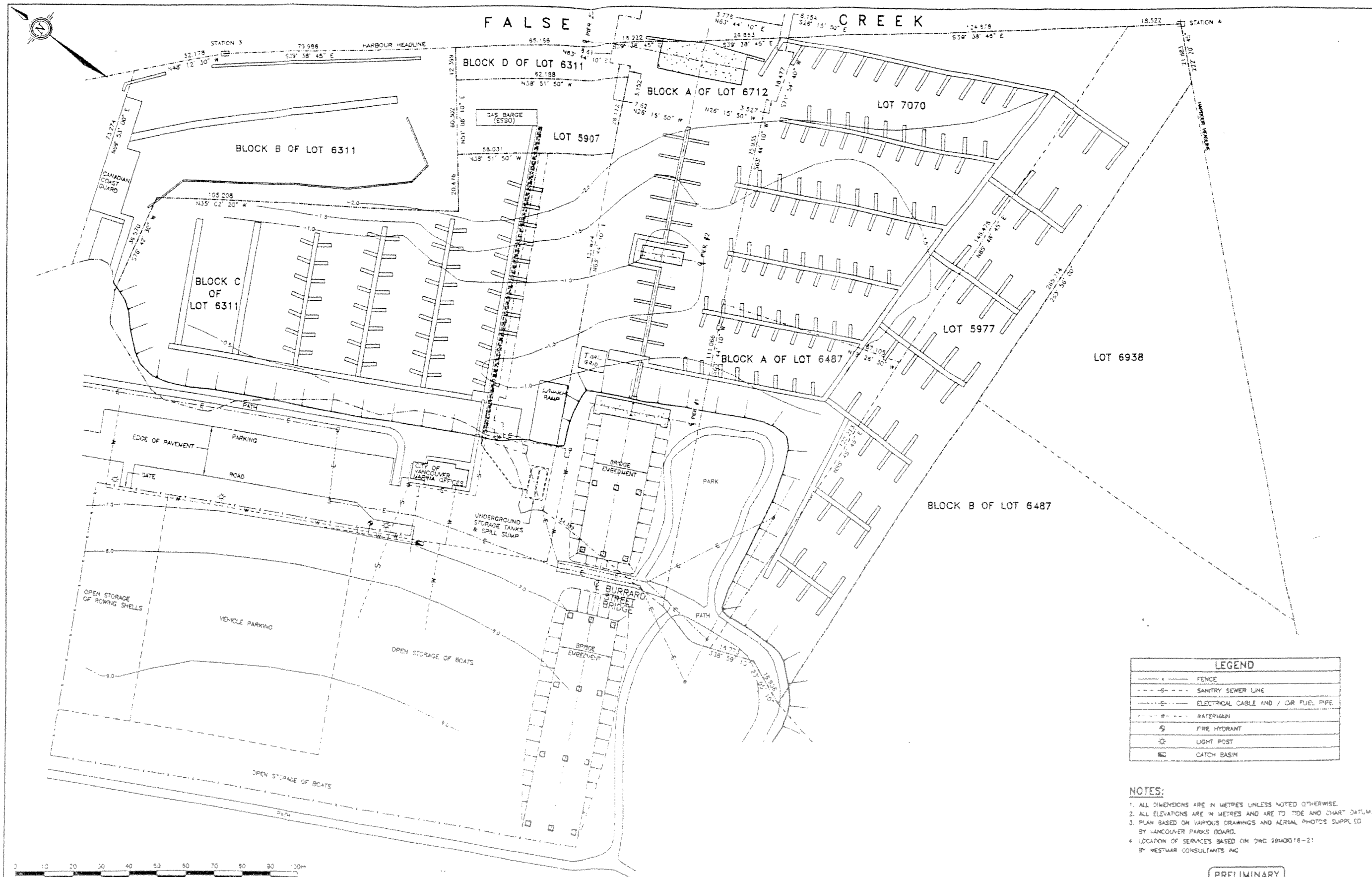
QUESTIONS AND ANSWERS NO. 1

ISSUED ON March 23, 2015

Q1	In the site meeting yesterday, there was a brief discussion on the need to dredge the existing west side marina basin to attain sufficient water depth for boats and floats. Can you confirm that dredging is to be included in the scope of works for the RFP? If dredging is included in the scope of works, sediment sampling and analysis will likely be required for environmental permitting.
A1	<p>The consultant's scope of work under this RFP does not include consulting with respect to dredging except as indicated below.</p> <p>Although dredging is not explicit to the project, the city is looking for recommendations about the need for and design of both the breakwater and marina upgrades, and if dredging is supported by the bathymetry survey and the proposed marina upgrades, it will be considered.</p> <p>If dredging is determined to be required all associated consulting fees, testing and permitting costs will be extra to the project and paid by the City from the funding currently allotted for the project.</p> <p>Any project related dredging shall be carried out in compliance with environmental, municipal, and health and safety regulatory requirements.</p>
Q2	Does the CoV have available any technical references or reports on tidal currents and sediment transport in English Bay and False Creek?
A2	No, the City does not have the technical references or reports on the tidal currents and sediment transport at the site. The consultant is to compile the necessary information from available sources or include strategy for obtaining it, through testing or site measurements.
Q3	<p>We are looking into the breakwater requirement for the facility, knowing there used to be a header-float which might have acted as a breakwater when the Coast Guard was stationed there. Our questions are:</p> <p>a. What is the current water lot boundary for the Burrard Civic Marina, and will it be expanded or changed in the future?</p>

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	b. Could you provide us a map that shows the extent of the water lot?
A3	a. There are no plans to expand the current water lot lease at this time. b. We are seeking proponents' recommendations as to best approach to address the need for breakwater solutions. See attached PDF files for lease lot lines.



LEGEND	
— — — — —	FENCE
- - - - -	SANITARY SEWER LINE
— — — — —	ELECTRICAL CABLE AND / OR FUEL PIPE
— — — — —	WATERMAIN
⊙	FIRE HYDRANT
⊠	LIGHT POST
⊞	CATCH BASIN

- NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
  2. ALL ELEVATIONS ARE IN METRES AND ARE TO TIDE AND CHART DATUM.
  3. PLAN BASED ON VARIOUS DRAWINGS AND AERIAL PHOTOS SUPPLIED BY VANCOUVER PARKS BOARD.
  4. LOCATION OF SERVICES BASED ON DWG 98M0018-21 BY WESTMAR CONSULTANTS INC.

PRELIMINARY

E D C B A	REVISION	REFERENCE DRAWINGS	I have reviewed the information of this drawing and I am satisfied that it is a true and correct representation of the information provided to me. I have also reviewed the information provided to me and I am satisfied that it is a true and correct representation of the information provided to me.	DESIGNED: A.P. DRAWN: VANCOUVER LTD CHECKED: A.P. APPROVED:	SCALE: [redacted] FILE NO.: 98143 CAD FILE NAME: 98143001 PROJECT NO.: 98143	Lauga & Associates Consulting Ltd. 4718 Woodfield Place West Vancouver B.C. V7W 2T1 PH: 604-926-1905 FAX: 604-926-8392	 <b>VILLHOLTH JENSEN &amp; ASSOC. LTD.</b> CONSULTING ENGINEERS VANCOUVER, B.C.	<b>BOARD OF PARKS AND RECREATION          CITY OF VANCOUVER</b> <b>REDEVELOPMENT OF BURRARD CIVIC MARINA</b> EXISTING MARINA, 1999 GENERAL LAYOUT	DRAWING No. 98143-001 REV.
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