

INVITATION TO TENDER "ITT" PS20162025
BURRARD MARINA FLOAT RENEWAL

ADDENDUM NO. 5

April 24, 2017

1. SPECIFICATIONS: GALVANIZED STEEL

Section 21 00 00 - Fire Water System in the Specifications is hereby amended as follows:

Delete sub-section 2.2 and replace as follows:

2.2 CPVC Pipe General

- .1 Approved by NSF International for use with potable water (NSF 61).
- .2 Have a flame spread rating of less than 25 and a smoke development rating less than 50 when tested for surface burning characteristics in accordance with CAN/ULC-S102-2-M88 or equivalent.
- .3 Meet NSF Standard 14.
- .4 Meet CSA Standard B137.3.
- .5 Pipe is to be marked with the following information:
 - .1 Manufacturer's name.
 - .2 Nominal pipe size.
 - .3 Material designation code.
 - .4 Pipe schedule and pressure rating in kPa for water at 23 deg. C.
 - .5 Bear the mark of the Listing agencies.
 - .6 Laboratory's seal of approval for potable water usage.
 - .7 Flame spread and smoke development ratings.
 - .8 Date and time of manufacture.

Delete sub-section 2.3 and replace as follows:

2.3 CPVC Pipe and Fittings

- .1 Pipe shall be a rigid chlorinated polyvinyl chloride (CPVC) compound, Type IV Grade I, with a Cell Classification of 23447 as defined in ASTM D1784.
- .2 Schedules 80:
 - .1 Physical dimensions and tolerances to the requirements of ASTM F441.
 - .2 Tested to the requirements of ASTM F441.

Delete sub-section 2.5 and replace as follows:

2.5 Well Service Air Valve

- .1 To AWWA C512 requirements.
- .2 ULC Listed.
- .3 FM Listed.
- .4 External surface of valve to be epoxy coated.

2. SPECIFICATIONS: ALTERNATE PIPING - GALVANIZED STEEL

Section 21 00 00 - Fire Water System in the Specifications is hereby amended as follows:

After sub-section 2.10 add newly created sub-section 2.11 Alternate Piping - Galvanized Steel Pipe as follows:

2.11 Alternate Piping - Galvanized Steel Pipe

Alternate price shall be provided by the tenderer to replace CPVC piping for galvanized piping as follows:

Delete the foregoing sub-sections 2.2, 2.3 and 2.5 and respectively replace as follows:

2.2 Galvanized Steel Pipe General

- .1 Approved by NSF International for use with potable water (NSF 61)
- .2 Pipe is to be marked with the following information:
 - .1 manufacturer's name,
 - .2 nominal pipe size,

- .3 material designation code,
- .4 pipe schedule and pressure rating in kPa for water @ 23 C,
- .5 bear the mark of the Listing agencies,
- .6 laboratory's seal of approval for potable water usage,
- .7 date and time of manufacture.

2.3 Galvanized Steel Pipe & Fittings

- .1 Pipe shall be galvanized steel, ASTM A53, Type E, Grade B, Schedule 40 to NFPA 14.
- .2 Pipe and fittings shall be ULC and FM listed for fire protection.
- .3 Fittings and joints to NFPA 14.
- .4 Joints shall be welded, flanged or roll grooved.
- .5 Couplings and gaskets shall be listed for dry service.
- .6 Rubber gaskets: latex-free 1.6mm thick to AWWA C111.
- .7 Bolts, nuts, hex head and washers: to ASTM A307, heavy series.
- .8 Dielectric connections between dissimilar metals: dielectric fitting, complete with thermoplastic liner.

2.5 Valves

- .1 ULC Listed for fire protection service.
- .2 FM Listed.
- .3 Cast or Ductile Iron, Flanged Ends, Indicating Butterfly Valve
- .4 Check valves shall be spring actuated swing type, composition disc or seal.

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All other conditions and specifications remain unchanged.

This addendum must be completed and attached to the Tenderer's Tender.

If the Tenderer has already submitted its Tender, this addendum shall be submitted to the Supply Chain Management Office, City of Vancouver, 453 West 12th Avenue, Vancouver, British Columbia, Canada, V5Y 1V4, (courier delivery and drop off is at the drop box at the Supply Chain Management Office on the 4th Floor of the same address), prior to the Closing Time: 3:00 p.m. Vancouver Time, Thursday, April 27, 2017 in an envelope clearly marked "Addendum No. 5 to ITT No. PS20162025: Burrard Marina Float Renewal."

NAME OF VENDOR

SIGNATURE OF AUTHORIZED SIGNATORY

DATE