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**Decommissioning, Demolition and Site Restoration SSB HQ**  
**Southside Road, St. John's, NL**  
**Project No. R.111146.001**

2021/12/01

Section 22 05 00 – Common Work Results for Plumbing

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**PART 1**      **GENERAL**

**1.1**      **RELATED SECTIONS**

- .1      Division 01.

**1.2**      **GENERAL**

- .1      All Division 1 sections form an integral part of this specification.
- .2      Provide all equipment with accessories as required to leave the system fully functional and operational for the purpose intended by the contract documents.
- .3      All mechanical equipment supplied for the project, shall be supplied by a single equipment supplier, regularly engaged in the supply, installation and start-up of potable drinking water systems. Setup and final tests of the entire system shall be by the equipment supplier, including one day on site demonstration of the system to the Departmental's Representative and Town's Maintenance Staff, after substantial completion of the project. Coordinate with the Departmental's Representative as to the Date and time of one day Demonstration/Training exercise.

**1.3**      **SUBMITTALS**

- .1      Submittals: in accordance with Division 01.
- .2      Shop drawings; submit drawings stamped and signed by the General Contractor for approval by Engineer.
- .3      Shop drawings to show:
  - .1      Mounting arrangements.
  - .2      Operating and maintenance clearances.
- .4      Shop drawings and product data accompanied by:
  - .1      Detailed drawings of bases, supports, and anchor bolts.
  - .2      Acoustical sound power data, where applicable.
  - .3      Points of operation on performance curves.
- .5      Closeout Submittals:
  - .1      Provide operation and maintenance data for incorporation into manual specified in Division 01.
  - .2      Operation and maintenance manual approved by, and final copies deposited with, Departmental's Representative before final inspection.
- .6      Operation data to include:

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- .1 Control schematics for systems including environmental controls.
- .2 Description of systems and their controls.
- .3 Description of actions to be taken in event of equipment failure.
- .4 Valves schedule and flow diagram.
- .5 Servicing, maintenance, operation and trouble-shooting instructions for each item of equipment.
- .6 Data to include schedules of tasks, frequency, tools required and task time.
- .7 Approvals:
  - .1 Submit 2 copies of draft Operation and Maintenance Manual to Departmental's Representative for approval. Submission of individual data will not be accepted unless directed by Engineer.
  - .2 Make changes as required and re-submit as directed by Engineer.
- .8 Additional data:
  - .1 Prepare and insert into operation and maintenance manual additional data when need for it becomes apparent during specified demonstrations and instructions.
- .9 As-built drawings:
  - .1 Prior to start of Testing, finalize production of as-built drawings.
  - .2 Identify each drawing in lower right hand corner in letters at least 12 mm high as follows: - "AS BUILT DRAWINGS: THIS DRAWING HAS BEEN REVISED TO SHOW MECHANICAL SYSTEMS AS INSTALLED" (Signature of Contractor) (Date).
  - .3 Submit to Departmental's Representative for approval and make corrections as directed.
  - .4 Submit completed reproducible as-built drawings with Operating and Maintenance Manuals.
- .10 Submit copies of as-built drawings for inclusion in final TAB report.

#### **1.4 QUALITY ASSURANCE**

- .1 Quality Assurance: in accordance with Division 01.
- .2 Health and Safety Requirements: do construction occupational health and safety in accordance with Division 01.

#### **1.5 MAINTENANCE**

- .1 Provide one set of special tools required to service equipment as recommended by manufacturers and in accordance with Division 01.

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**PART 2**      **PRODUCTS**

**2.1 MATERIALS**

- .1 All materials used on this project shall be new and CSA approved unless noted otherwise.

**PART 3**      **EXECUTION**

**3.1 PAINTING, REPAIRS AND RESTORATION**

- .1 Prime and touch up marred finished paintwork to match original.
- .2 Restore to new condition, finishes which have been damaged.

**3.2 CLEANING**

- .1 Clean interior and exterior of all systems including strainers

**3.3 PROTECTION**

- .1 Protect equipment and systems openings from dirt, dust, and other foreign materials with materials appropriate to system

END OF SECTION