



SPECIFICATIONS

STEVESTON (GULF OF GEORGIA)

FLOAT RECONSTRUCTION

PHASE 2

2019

FISHERIES AND OCEANS CANADA

SMALL CRAFT HARBOURS – PACIFIC REGION

200 – 401 Burrard Street

Vancouver, British Columbia

V6C 3S4

SECTION NO.	SECTION TITLE
01 11 00	Summary of Work
01 13 00	General Instructions
01 35 29.06	Health and Safety Requirements
01 35 43	Environmental Procedures
01 50 00	Mobilization and Demobilization
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02 41 16	Structure Demolition
11 01 00	Heavy Equipment Rental
31 62 16.19	Steel Piles
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DRAWING NO.	DRAWING TITLE
56178-001	Steveston 3 rd Avenue General Arrangement

APPENDIX	APPENDIX TITLE
A	Existing Float Typical Detail
B	Fiberglass_Pontoon_Frame_Dwg

END OF SECTION



Part 1 General

1.1 SUMMARY OF WORK

- .1 Small Craft Harbours (SCH) requires the complete reconstruction of the timber float (Float F) as shown in the drawings.
- .2 General work of this Contract includes the supply of small tools, heavy equipment, operators and labourers, and the supply of materials to Site. Work Tasks as directed by Departmental Representative. Work Tasks include but are not limited to:
 - .1 Timber Pile Extraction (12" and 14" creosote piles).
 - .2 Timber float removal.
 - .3 Disposal of timber/concrete float and treated timber piles.
 - .4 Install owner supply timber float.
 - .5 Supply and Install steel pipe piles.
- .3 Fabrication and Supply of Fiberglass Plywood Pontoons and deliver to 12740 Trites Road, Richmond, BC.

1.2 SITE LOCATION

- .1 Work of this Contract is located at Steveston (Gulf of Georgia) Site, south of Third Avenue Road at Richmond, British Columbia, along the Fraser River.

1.3 COMMENCEMENT AND COMPLETION

- .1 No site work shall begin before **December 1st, 2019**.
- .2 All work including clean-up and demobilization must be completed by **February 28, 2020**.

1.4 DESCRIPTION OF UNIT PRICE ITEM

- .1 Mobilization
 - .1 Specified in Section 01 50 00.
- .2 Demobilization
 - .1 Specified in Section 01 50 00.
- .3 Marine Derrick: Spud Barge with minimum 100 ton crane, Operator and Deck Engineer
 - .1 The hourly rate on site a derrick, crane operator and a deck engineer.
 - .2 Minimum derrick requirement specified in Section 11 01 00.
 - .3 Supply of one (1) qualified crane operator and one (1) deck engineer.



- .4 Scow Barge
 - .1 Specified in Section 11 01 00.
- .5 Bridgeman Crew with Small Tools
 - .1 The man hour cost of Bridgeman Crew includes the following:
 - .1 Supply minimum four (4) man crew, which includes a foreman for the coordination and safety of the crew.
 - .2 Unit cost includes general small tool for typical marine construction such as chainsaws, hammer, rigging, etcetera.
 - .3 Man hours are calculated as the summation of hours that each crew member worked.
 - .4 The hourly cost of this section shall be based on 8 hour work days.
 - .2 The crew shall be professional, self-sufficient and capable of completing standard heavy marine construction work in accordance to construction drawings, without the direct supervision of the Owner.
- .6 Site Superintendent
 - .1 The man hour cost of an experienced superintendent **onsite** complete with miscellaneous tools and equipment to aid in the site superintendent duties (such as vehicle and site trailer).
 - .2 Duties include, but are not limited to the following:
 - .1 Overall direction and coordination of the work.
 - .2 Construction safety, planning and implementing construction procedures, managing equipment, operators and crew and liaison with the Departmental Representative and the Owner.
 - .3 Site Superintendent shall be professional, respectful and communicate effectively to all parties involved with the project.
- .7 Supply and Delivery of 21.3m long 508mm OD x 12.7mm thick Steel Pipe Pile
 - .1 The unit of measure will be each meter of 508mm OD steel piling supplied. This item includes handling and supply of pipe material, splicing and delivery as specified in Section 31 62 16.19
- .8 Disposal of Creosote Timber Pile
 - .1 The unit price of disposal of creosote treated timber. This item includes transportation (upland and/or water borne) to disposal or recycling facility, offsite handling and any disposal fees.
 - .2 Specified in Section 01 74 21
- .9 Disposal of 60 linear meter existing Float F
 - .1 The lump sum of this item shall cover the disposal of approximate 60 linear meter of concrete/timber float. This item includes transportation



(upland and/or water borne) to disposal or recycling facility, offsite handling and any disposal fees.

.2 Specified in Section 01 74 21

.10 Fabricate and Supply Fiberglass Pontoons

.1 The unit price per fiberglass pontoons fabricated, supplied and delivered to 12740 Trites Road, Richmond, BC.

.2 Drawing reference in Appendix B and Specification reference in Section 35 51 23.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION



Part 1 General

1.1 DEFINITIONS

- .1 **Contractor:** The party accepted by the Owner with whom a formal contract is entered to complete the work of this project.
- .2 **Contracting Authority:** Real Property Contracting Acquisitions and Compensation Pacific Region, Public Works and Government Services Canada.
- .3 **Contract Document:** Includes all Sections herein, as well as, attached drawings referenced in the Technical Specification Index.
- .4 **Engineer/Departmental Representative:** Employee(s) that represents the Owner who act as the Engineer and Technical Authority for the project.
- .5 **Owner:** Small Craft Harbours Program of the Department of Fisheries and Oceans, 200-401 Burrard Street Vancouver B.C. V6C 3S4.
- .6 **Site:** Refers to herein Steveston Harbour at Richmond, British Columbia.

1.2 NOTIFICATION

- .1 The Contractor shall give the Departmental Representative **minimum 2 week notice** prior to mobilization to site.

1.3 HOURS OF WORK

- .1 Normal work hours are between 0700 hrs to 1700 hrs Monday through Friday not including statutory holidays.
- .2 Contractor may request to work outside the above-mentioned normal work hours. Submit written request to Departmental Representative to work outside of the normal work hours a minimum of forty (48) hours in advance.

1.4 CONSTRUCTION WORK SCHEDULE

- .1 The Contractor shall work whatever shifts while abiding to the noise-by-law required in order to ensure the work meets regulatory windows and is completed by the completion date of the contract.
- .2 The Contractor shall normally perform all work within daylight hours, except in instances where the Contractor has requested and received approval for shift changes from the Owner.
- .3 Time lost by the Contractor due to stoppage on account of adverse weather conditions may be allowed, at the discretion of the Departmental Representative, as an extension of time for the completion of the work over and above the date of completion specified in the contract agreement.



1.5 MEASUREMENT AND PAYMENT

- .1 Before submitting the first progress claim, submit a breakdown of the Contract unit rates and lump sum prices in detail as requested by Departmental Representative, aggregating to the Contract price.
- .2 Measurement and payment for work completed to Departmental Representative's satisfaction will be made as stipulated in the relevant technical Section of the Specification for that work item and the Unit Price Table.
- .3 Measurement for Departmental Representative-advised Directed Moves shall be through formal documented communications (i.e., letters or emails) with Contractor.
- .4 Measurement for approved Stand-by Time shall be through formal documented communications (i.e., letters or emails) with Contractor.

1.6 HEALTH AND SAFETY

- .1 Specified in Section 01 35 29.06

1.7 ENVIRONMENTAL PROCEDURES

- .1 Specified in Section 01 35 43

1.8 REGULATORY REQUIREMENT

- .1 The Contractor must, at his own expense, procure all permits, certificates and licenses required of him by law for the execution of his work under this contract.
- .2 The Contractor shall comply with all Federal, Provincial or Municipal laws, ordinances or rules and regulations relating to the performance of his work and in force during the duration of this contract.
- .3 The Contractor is required to give all required notices, comply with all local, municipal, provincial, and federal laws, ordinances, codes, by-laws, rules and regulations relating to the work.
- .4 All work to be done in accordance with Work Safe BC regulations.
- .5 The Contractor shall comply with Federal and Provincial laws, orders and regulations concerning the control and abatement of water and air pollution.
- .6 The Contractor shall comply with the requirements of any local or other Noise By-Laws.

1.9 EXECUTION REQUIREMENTS

- .1 The Contractor is expected to familiarize themselves with the site, facilities and amenities within.



- .2 The Contractor's representative on site shall be completely familiar with the method of work to be employed. Such personnel shall remain on site for the duration of the work.
- .3 The Contractor shall protect all finished work from injury, defacement, unauthorized entry, or trespass until such time as the work described in the contract documents is substantially complete.
- .4 All heavy construction equipment shall be free of leaks and cleaned prior to construction. The Contractor shall have absorbent pads on site in case of any oil leaks or contaminants entering the water.
- .5 The site shall be left in a safe condition at the completion of each work day.

1.10 INSPECTION

- .1 Allow Departmental Representative access to the Work. If part of the Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress.
- .2 Departmental Representative will order part of Work to be examined if Work is suspected to be not in accordance with Contract Documents.
- .3 Contractor shall retain a qualified third party inspector to perform visual inspection and ultrasonic non-destructive testing (NDT) on weld splices as specified in section 31 62 16.19.

1.11 INTERFERENCE WITH OPERATION

- .1 The Contractor shall obey all navigation regulations and conduct operations so as to interfere as little as possible with the use of berthing spaces, fairways and passages.
- .2 The Contractor shall develop a construction plan that minimizes disruption to harbour operations.
- .3 During the course of construction and clean-up, do not dispose of surplus, waste or demolished materials in navigable waters.
- .4 The Contractor shall upon instruction of the Owner or Engineer, promptly remove any of the Contractor's equipment located outside the specified work area and obstructing any harbour operation.

1.12 BARRIERS, LIGHTS AND WATCHING

- .1 The Contractor shall provide all requisite barriers, fences, warning signs, lights and watching for the protection of persons and property on or adjacent to the site.



1.13 SITE ACCESS

- .1 General site access shall be coordinated with the Owner.
- .2 The Contractor shall maintain routes of travel, with the Owner being the sole judge as to what may be deemed reasonable.

1.14 CONSTRUCTION AREA

- .1 The Contractor shall not enter on nor occupy with men, tools, equipment or material, any ground outside the property of the Harbour Authority without the written consent of the party owning such ground. Other Contractors or employees or representatives of the Department may, for all necessary purposes, enter upon the work and premises used by the Contractor, and the Contractor shall conduct his work so as not to impede unnecessarily any work being done by others nor adjacent to the site.
- .2 The Contractor shall regulate construction traffic on public areas and comply with all local ordinances in connection therewith, including load limitation and removal of debris.
- .3 The Contractor shall confine his operations on the site to those areas actually required for the work including routes and regulations approved by the Owner for haulage of materials.

1.15 WASTE MANAGEMENT AND DISPOSAL

- .1 Specified in Section 01 74 21.

1.16 PROTECTION OF EXISTING STRUCTURES

- .1 Existing structures, adjacent marine facilities, roads, services, piping or equipment within the work area which are not to be replaced shall be properly protected from any injury or damage, direct or indirect.
- .2 Any damage that is caused as a result of the operations of the Contractor shall be repaired and made good at the Contractor's expense to the satisfaction of the Engineer.

1.17 EXISTING SERVICES

- .1 Existing utilities and services on the float will be decommissioned and recommissioned by OTHERS.
- .2 Notify Departmental Representative if any existing utilities and services are still found on the float prior to demolition.

1.18 TEMPORARY SERVICES

- .1 Contractor shall make his own arrangements for supply of water and electricity onsite.
- .2 The Contractor shall supply for his own use; sanitary, first aid, and all other temporary services and facilities required for the work.

1.19 PROGRESS REPORT

- .1 The Contractor shall keep a daily record of progress of the work available for inspection by the Departmental Representative.
- .2 The daily record shall include particulars of weather conditions, number of men working, plant and equipment working and work performed.

1.20 AS-BUILT DRAWINGS

- .1 The Contractor shall mark up one set of plans with any changes or amendments implemented during the Contract. These plans shall be submitted to the engineer before the Final Certificate of completion is issued.

1.21 CLOSEOUT PROCEDURES

- .1 Specified in Section 01 77 00.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION



Part 1 General

1.1 DESCRIPTION

- .1 Health and safety considerations are required to ensure that PSPC shows due diligence towards health and safety on construction sites, and meets the requirements laid out in PSPC/RPB Departmental Policy DP 073 - Occupational Health and Safety – Construction.

1.2 MEASUREMENT AND PAYMENT

- .1 Health and Safety Requirements are considered incidental to the work and will not be measured separately. No separate payment will be made under this Section.

1.3 REFERENCES

- .1 Government of Canada:
 - .1 Canada Labour Code – Part II
 - .2 Canada Occupational Health and Safety Regulations.
- .2 National Building Code of Canada (NBC):
 - .1 Part 8, Safety Measures at Construction and Demolition Sites.
- .3 Canada Standards Association (CSA):
 - .1 CSA S269, Falsework for Construction Purposes.
 - .2 CSA S269.2, Access Scaffolding for Construction Purposes.
 - .3 CSA-S350, Code of Practice for Safety in Demolition of Structures.
 - .4 CSA Z462 – Workplace Electrical Safety Standard.
- .4 Fire Protection Engineering Services, HRSDC:
 - .1 FCC No. 301, Standard for Construction Operations.
 - .2 FCC No. 302, Standard for Welding and Cutting.HRSDC website:
http://www.hrsdc.gc.ca/eng/labour/fire_protection/policies_standards/commissioner/index.shtml.
- .5 American National Standards Institute (ANSI):
 - .1 ANSI A10.3, Operations – Safety Requirements for Powder-Actuated Fastening Systems.
- .6 Province of British Columbia:
 - .1 Workers Compensation Act. Part 3 Occupational Health and Safety.
 - .2 Occupational Health and Safety Regulation



- .7 Health Canada/Workplace Hazardous Materials Information System (WHMIS):
 - .1 Material Safety Data Sheets (MSDS).

1.4 WORKERS COMPENSATION BOARD COVERAGE

- .1 Comply fully with the Workers' Compensation Act, regulations and orders made pursuant thereto, and any amendments up to the completion of the work.
- .2 Maintain Workers' Compensation Board coverage during the term of the Contract, until and including the date that the Certificate of Final Completion is issued.

1.5 COMPLIANCE WITH REGULATIONS

- .1 PSPC may terminate the Contract without liability to PSPC where Contractor, in the opinion of PSPC, refuses to comply with a requirement of the Workers' Compensation Act or the Occupational Health and Safety Regulations.
- .2 It is Contractor's responsibility to ensure that all workers are qualified, competent and certified to perform the work as required by the Workers' Compensation Act or the Occupational Health and Safety Regulations.

1.6 SUBMITTALS

- .1 Submit site-specific Health and Safety Plan: Within 7 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include:
 - .1 Results of site specific safety hazard assessment.
 - .2 Results of safety and health risk or hazard analysis for site tasks and operation found in work plan.
 - .3 Risk Management and Safety Procedure for possible events including but not limited to storm, fire, and fall.
 - .4 WHMIS MSDS - Material Safety Data Sheets if requested.
 - .5 On-site Contingency and Emergency Response Plan: address standard operating procedures to be implemented during emergency situations
- .2 The Engineer review of Contractor's final Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety.
- .3 Submit copies of incident and accident reports if requested.

1.7 RESPONSIBILITY

- .1 Assume responsibility as the Prime Contractor under this Contract.



- .2 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .3 Comply with and enforce compliance by employees with safety requirements of contract documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.
- .4 Report all safety and environmental incident to the Department Representative as soon as it happened.

1.8 BARRICATION

- .1 Provide safety barricades around work site as required to provide a safe working environment for workers and protection for pedestrian traffic.
- .2 Ensure that non-authorized persons are not allowed to circulate in designated construction areas of the work site.
 - .1 Provide appropriate means by use of barricades, fences, and warning signs as required.
 - .2 Secure site at night time as deemed necessary to protect site against entry.

1.9 REGULATORY REQUIREMENTS

- .1 Comply with specified codes, acts, bylaws, standards and regulations to ensure safe operations at the Contractor's Work Site.
- .2 In event of conflict between any provision of the above authorities, the most stringent provision will apply. Should a dispute arise in determining the most stringent requirement, Departmental Representatives will advise on the course of action to be followed.

1.10 FILING OF NOTICE

- .1 File Notice of Project with Provincial authorities prior to beginning of Work.
- .2 Provide copies of al notices to Departmental Representative.

1.11 SAFETY ASSESSMENT

- .1 Perform site specific safety hazard assessment related to project.
- .2 Develop written site-specific Health and Safety Plan based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce plan until final demobilization from site.
- .3 Schedule and administer Health and Safety meeting prior to commencement of Work.



1.12 UNFORSEEN HAZARDS

- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Engineer verbally and in writing.

1.13 POSTING OF DOCUMENTS

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province having jurisdiction, and in consultation with Engineer.

1.14 CORRECTION OF NON-COMPLIANCE

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by the Engineer.
- .2 Provide the Engineer with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 The Engineer may stop Work if non-compliance of health and safety regulations is not corrected.

Part 2 Products**2.1 NOT USED**

- .1 Not Used.

Part 3 Execution**3.1 NOT USED**

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 DESCRIPTION

- .1 This Section describes environmental procedures that are required for the Contract. Contractor shall be responsible for adhering to these special procedures while completing all work under this Contract.
- .2 Contractor is responsible for environmental protection during all construction activities at all locations it performs work.

1.2 MEASUREMENT AND PAYMENT

- .1 Environmental Procedures are considered incidental to the work and will not be measured separately. No separate payment will be made under this Section.

1.3 SUBMITTALS

- .1 Contractor shall submit a Spill Response Emergency Plan for review and acceptance by Departmental Representative within fourteen (14) calendar days following Contract Award.

1.4 ENVIRONMENTAL RESPONSIBILITY

- .1 Contractor shall demonstrate in the performance of the work that it is environmentally responsible by complying with environmental legislation, regulations, and authorizations.
- .2 Follow all Departmental Representative instructions and policies, practices, and procedures established by Departmental Representative with respect to the environment that are communicated by Departmental Representative to Contractor from time to time.
- .3 Take all reasonable and necessary measures in the performance of the work to avoid causing negative impacts to the environment. Where negative impacts occur, Contractor shall immediately advise Departmental Representative and shall be solely liable to undertake all reasonable and necessary measures to minimize the effect of such negative impacts and restoring the site to pre-impact conditions.
- .4 Maintain key pollution control systems in working condition throughout the project and undertake all works such that there are no unauthorized discharges of liquids or solids to the marine environment, or of gas to the atmosphere.
- .5 Maintain a neat work area free of unnecessary debris, tools, equipment, or materials; dispose of sewage, refuse, and chemical wastes in compliance with the BMPs and applicable federal, provincial, and municipal or local legislation,



regulations, or laws; and remove all tools, equipment, supplies, and wastes from the site upon completion of the work.

- .6 Ensure that workers and supervisory staff are knowledgeable with the provisions of the proposed Spill Emergency Response Plan and are adequately trained to implement the measures contained therein.

1.5 FIRES

- .1 Fires and burning of rubbish on Site is not permitted.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Specified in Section 01 74 21

1.7 SPILL OR RELEASE OF DELETERIOUS SUBSTANCES

- .1 Contractor shall immediately contain and assess the spill, provide appropriate notifications, and take the necessary steps to prevent further discharge. Contractor is responsible for immediate cleanup of the spill and restoration of the area to the satisfaction of Departmental Representative and other regulatory agencies, where involved.
- .2 All workers shall be fully aware of the spill prevention and response procedures including notification of Departmental Representative.
- .3 Report all spills in accordance with the British Columbia Spill Reporting Regulations, EBMPs, Fisheries Act, and EMP.
- .4 Departmental Representative shall be immediately informed of all spills that occur at the Work Site.
- .5 Further information on dangerous goods emergency cleanup and precautions including a list of companies performing this work can be obtained from the Transport Canada 24-hour number (613) 996-6666 collect.
- .6 Spill kits will be kept at the Work Site at all times.
- .7 Equipment fueling or lubricating shall occur at the Work Site in accordance with EBMPs.
- .8 Any equipment remaining on site overnight shall have appropriately placed drip pans or other spill/leak containment measures.

1.8 NOISE AND LIGHT CONTROL

- .1 Ensure that noise control devices (i.e. mufflers and silencers) on construction equipment are properly maintained.



- .2 Contractor shall implement use of lighting shrouds for work to be completed during night-time hours to minimize lighting disruptions to local residents.

1.9 ENVIRONMENTAL MONITOR

- .1 The Owner may retain a third party environmental monitor for the project.
- .2 The environmental monitor will follow requirements in the Environmental Monitoring Plan and assess the effectiveness of the measures and standards put in place.

1.10 HISTORICAL/ARCHAEOLOGICAL CONTROL

- .1 The Owner may retain a third party archaeological monitor for the project.
- .2 Contractor must notify the archaeological monitor and the Owner if potential historical archaeological, cultural resources and biological resources are discovered during construction.

1.11 NOTIFICATION

- .1 The Departmental Representative will notify Contractor of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations, permits, and other elements of Contractor's Environmental Protection plan.
- .2 The Contractor shall inform the Engineer of proposed corrective action after receipt of such notice, and take such action for approval by the Engineer.
- .3 Departmental Representative will issue stop order of work until satisfactory corrective action has been taken.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION



Part 1 General**1.1 DESCRIPTION**

- .1 This Section covers mobilization and demobilization for the work at Steveston Work Site.

1.2 MEASUREMENT AND PAYMENT

- .1 Mobilization will be paid for at the Lump Sum price tendered for MOBILIZATION. Payment shall include for all costs in connection with mobilization as described in Clause 1.4 of this Section.
- .2 Supply and set up of plant and equipment not specifically noted in Clause 1.4 of this Section shall be deemed to be incidental to the work and shall not be covered by the Lump Sum tendered for Mobilization.
- .3 Demobilization will be paid for at the Lump Sum price tendered for DEMOBILIZATION. Payment shall include for all costs in connection with demobilization as described in Clause 1.4 of this Section.

1.3 SUBMITTALS

- .1 Submit heavy equipment or plant specifications and/or drawings upon request.

1.4 MOBILIZATION

- .1 Mobilization shall include the following activities:
 - .1 All pre-construction submittals;
 - .2 Establishment of necessary site offices;
 - .3 Workshops and other temporary facilities, including utility connections;
 - .4 Development and implementation of all environmental protection measures;
 - .5 All work required to prepare and move to the Work Site the Contractor's plant and equipment, pile-driving derricks and equipment to be used for the above mentioned work tasks;
 - .6 Moving heavy equipment as listed in Section 01 11 00; this includes "Derrick including Spud Barge" and "Scow Barge" to site;
 - .7 Move all crew and tools to site;
 - .8 Making ready for work; and,
 - .9 The cost of maintaining bonds and insurance as required.

1.5 DEMOBILIZATION

- .1 Demobilization shall include the following activities:



- .1 Project closeout and required closeout submittals;
- .2 Removal of all construction equipment, plant and excess materials from the Steveston Work Site;
- .3 Clean up of the Steveston Work Site to a condition satisfactory to Departmental Representative at completion of the work.
- .4 Items which are not to be included in mobilization / demobilization are any portion of the work covered by a specific Tender item or other incidental work which is specified as being included in a Tender item.

Part 2 Products**2.1 NOT USED**

- .1 Not Used.

Part 3 Execution**3.1 NOT USED**

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 DESCRIPTION

- .1 This section describes waste management and disposal procedures for structure demolition work. Related section 02 41 16 “STRUCTURE DEMOLITION”.
- .2 Typical section of the existing float F can be found in Appendix A. The Contractor is responsible for confirming the cross section and the material takeoffs for the disposal of the existing float F.

1.2 MEASUREMENT AND PAYMENT

- .1 Waste Management activities such as sorting and handling of waste material onsite will be measured as the number of man hours of bridgeman crew and number of hours of utilized equipment used to perform such activity.
- .2 Measurement for disposal of extracted creosote treated timber pile will be based on unit weight of timber brought offsite for either disposal or recycling. No separate measurement or payment will be made for transportation, offsite handling and/or tipping fees.
- .3 Transportation, offsite handling and/or tipping fees associated to disposal of the existing Float F will be paid for at the Lump Sum price tendered for “Disposal of Existing Float F”

1.3 GENERAL REQUIREMENT

- .1 Prior to start of Work, conduct meeting with Owner to review and discuss Waste Management Plan and Goals.
- .2 Accomplish maximum control of solid construction waste.
- .3 Preserve environment and prevent pollution and environment damage.

1.4 DEFINITIONS

- .1 Recycle: process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.
- .2 Reuse: repeated use of product in same form but not necessarily for same purpose.
- .3 Salvage: removal of structural and non-structural materials from reconstruction/disassembly projects for purpose of reuse or recycling.

1.5 STORAGE, HANDLING AND PROTECTION



- .1 Store materials to be reused, recycled and salvaged in locations as directed by Owner. Unless specified otherwise, materials for removal become Contractor's property.
- .2 Protect, stockpile, store and catalogue salvaged items.
- .3 Separate non-salvageable materials from salvaged items.
- .4 Transport and deliver non-salvageable items to licensed disposal facility.
- .5 Protect structural components not removed for demolition from movement or damage.
- .6 Protect surface drainage, mechanical and electrical from damage and blockage.
- .7 Separate and store materials produced during dismantling of structures in designated areas.
- .8 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated facilities.
- .9 On-site source separation is recommended.
- .10 Remove co-mingled materials to off-site processing facility for separation.
- .11 Do not bury rubbish or waste materials.
- .12 Do not dispose of waste into waterways, storm, or sanitary sewers.
- .13 Remove materials from deconstruction as deconstruction/disassembly Work progresses.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.



END OF SECTION



Part 1 General

1.1 DESCRIPTION

- .1 This Section provides project closeout requirements for post-construction submittals that Contractor is required to submit to Departmental Representative following completion of the work.
- .2 This Section also presents process and requirements for inspection and declaration that the work has been completed as required by the Contract documents. Upon formal review and acceptance of the work by Departmental Representative, the work will be determined to be complete and Contractor shall then demobilize from the Work Site.

1.2 MEASUREMENT AND PAYMENT

- .1 Closeout Procedures are considered incidental to the work and will not be measured separately. No separate payment will be made under this Section.

1.3 INSPECTION AND DECLARATION

- .1 Contractor's Inspection: conduct inspection of Work, identify deficiencies and defects, and repair as required to conform to Contract Documents.
- .2 Notify Owner in writing of satisfactory completion of Contractor's inspection and submit verification that corrections have been made.
- .3 Request inspection by Departmental Representative.
- .4 Inspection by Departmental Representative: Departmental Representative, accompanied by Contractor, will inspect the work to identify defects or deficiencies in the work and then compile a deficiency list describing all noted defects and deficiencies.
- .5 Contractor shall correct work accordingly, as advised by Departmental Representative, at no cost to the Owner.
- .6 Final Inspection: When items noted above are completed, request Final Inspection of work by Departmental Representative, accompanied by Contractor. If work is still deemed incomplete by Departmental Representative, complete outstanding items and request re-inspection. Repeat this process until the work is complete to Departmental Representative's satisfaction.

1.4 COMPLETION

- .1 Submit a written certificate that the following actions have been performed:



- .1 Work has been completed and inspected for compliance with the Contract documents.
- .2 Defects have been corrected and deficiencies have been completed.
- .3 Work is complete and ready for final inspection.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION



Part 1 General

1.1 DESCRIPTION

- .1 This Section covers:
 - .1 Demolition of the existing float and disposal of debris arising from such demolition.
 - .2 Dismantling, extraction and off-site disposal of creosote timber pile.
- .2 The existing F float **cannot** be re-use as a float and must be dismantle for material disposal and/or recycling.

1.2 MEASUREMENT AND PAYMENT

- .1 Structure demolition activities on site such as dismantling, extraction and sorting will be measured as the number of man hours of bridgeman crew and number of hours of utilized equipment used to perform such activity.

1.3 REFERENCES

- .1 Canadian Standards Association (CSA):
 - .1 CAN/CSA S350-M1980 (R2003), Code of Practice for Safety in Demolition of Structures.
 - .2 CAN/CSA-A23.1, Concrete Materials and Methods of Concrete Construction.
- .2 National Building Code of Canada (NBCC), Part 8 - Safety Measures at Construction and Demolition Sites.
- .3 WorkSafeBC, Occupational Health & Safety Regulations.

1.4 SITE CONDITIONS

- .1 Contractor shall inspect the work site to thoroughly familiarize himself with site conditions before starting structure demolition work.
- .2 Should material resembling spray or trowel-applied asbestos or other designated substance listed as hazardous be encountered, stop work, take preventative measures, and notify Departmental Representative immediately. Do not proceed until written instructions have been received from Departmental Representative.

Part 2 Products

2.1 NOT USED

- .1 Not used.



Part 3 Execution

3.1 PREPARATION AND PROTECTION

- .1 Do work in accordance with Section 01 35 29.06 (Health and Safety Requirements).
- .2 Prevent debris from blocking surface drainage system, mechanical and electrical systems.
- .3 Install and maintain temporary structural safety barricades and work site procedures throughout the demolition work, in accordance with WorkSafeBC requirements.
- .4 Employ structural demolition methods that minimize or eliminate deposition of cementitious material, concrete debris or concrete dust into the marine environment.
- .5 Do not allow buoyant items that have been demolished or detached from their original position (i.e. floating debris) to float beyond the work site. Do not allow such floating debris to cause any hindrance or obstacle to marine traffic. Identify and collect such floating debris, and dispose in accordance with the Specification.

3.2 DEMOLITION, SALVAGE AND DISPOSAL

- .1 Prevent debris, dust, and any sediment laden waters from entering any drainage system, water course or marine environment.
- .2 Ensure that selective demolition work does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.
- .3 Do not dispose of waste or volatile materials including but not limited to, mineral spirits, oil, petroleum based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers.
- .4 Sort materials into appropriate piles for re-use and/or recycling.

3.3 DISASSEMBLY, AND DEMOLITION PROCEDURES

- .1 Materials removed from Work Site, and from items designated for structural demolition and disposal off-site, are property of Contractor, except where salvage and re-use is specified.
- .2 Throughout course of disassembly and demolition pay close attention to connections and material assemblies. Employ workmanship procedures which minimize damage to materials and equipment.



- .3 Ensure workers and subcontractors are trained to carry out work in accordance with appropriate demolition techniques.
- .4 Project supervisor with previous demolition experience must be present on site throughout demolition work.
- .5 Carry out demolition in accordance with CAN/CSA S350 and other applicable safety standards.
- .6 Workers must utilize adequate fall protection as required by WorkSafeBC.
- .7 Remove and store materials to be salvaged, in manner to prevent damage.
- .8 Store and protect in accordance with requirements for maximum preservation of material.
- .9 Handle salvaged materials as new materials.
- .10 Remove materials that cannot be salvaged for reuse or recycling and dispose of in accordance with applicable codes at licensed facilities.
- .11 Where existing materials are to be re-used in the work, use special care in removal, handling, storage and re-installation to assure proper function in completed work.
- .12 Waste Management and Disposal:
 - .1 Separate waste materials for reuse and/or recycling, in accordance with Section 01 74 21 (Waste Management and Disposal).
 - .2 Dispose of removed materials, to appropriate recycling or re-use facilities except where specified otherwise, in accordance with authority having jurisdiction.
 - .3 Dispose of creosoted or treated timber components in accordance with Provincial regulations.

3.4 PROCESSING

- .1 Designate location for processing of materials which eliminates double handling (except where specified otherwise) and provides adequate space to maintain efficient material flow.
- .2 Keep processing area clean and free of excess debris.

3.5 STOCKPILING

- .1 Eliminate double handling wherever possible.
- .2 Stockpile materials shall be contained and filtered to limit particle transfer into the marine environment.

3.6 REMOVAL FROM SITE AND DISPOSAL



- .1 Remove materials that cannot be salvaged for re-use or recycling, and dispose of in accordance with applicable codes at licensed facilities.
- .2 Transport material designated for alternate disposal by approved haulers to receiving organizations.

3.7 CLEANING AND RESTORATION

- .1 Keep site clean and organized throughout demolition procedure.
- .2 Upon completion of project, remove debris, trim surfaces and leave work site clean.
- .3 Use cleaning solutions and procedures which are not harmful to health, are not injurious to plants, and do not endanger wildlife or marine environment.
- .4 Repair damage to adjacent structures and utilities caused by disassembly or demolition of structures in the work, as directed by Departmental Representative.

END OF SECTION



Part 1 General**1.1 DESCRIPTION**

- .1 This section provides minimum technical specifications for equipment supplied by the Contractor.

1.2 MEASUREMENT AND PAYMENT

- .1 Payment for each equipment onsite will be measured using the relevant unit prices tendered.
- .2 Hourly/daily rates shall include all operator costs.
- .3 Travel costs shall be included in mobilization/demobilization items.
- .4 Contractor shall provide daily timesheet of labour and equipment used onsite as a reference for payment.
- .5 The hourly cost of this section shall be based on 8 hour work days.

1.3 EQUIPMENT QUALITY

- .1 All equipment shall be well maintained and in good working order. The Contractor shall be responsible for delays and all cost associated with equipment malfunction/failure.
- .2 All equipment shall be licensed and inspected in accordance with the provincial regulations.

Part 2 Products**2.1 MARINE DERRICK SPUD BARGE**

- .1 The Derrick shall, as a minimum, contain the following equipment:
 - .1 Spud barge.
 - .2 Minimum 100 ton capacity crane with at least 90ft boom length.
 - .3 A piece of vibratory hammer equivalent to APE Model 150 with associated attachment to extract timber piles and to drive 508mm diameter steel pipe pile.
 - .4 A piece of welding machine.
 - .5 A piece of work punt.
 - .6 Spill kit.

2.2 SCOW BARGE

- .1 The scow shall be sized between 800-1000 ton capacity.



Part 3 Execution

3.1 IDENTIFICATION OF WORK

- .1 The Owner will identify task projects requiring heavy marine construction equipment and provide a timeline for completion of each project task. Work Tasks include but are not limited to:
 - .1 Timber Pile Extraction (12" and 14" creosote piles).
 - .2 Timber float removal.
 - .3 Disposal of timber/concrete float and treated timber piles.
 - .4 Install owner supply timber float.
 - .5 Supply and Install steel pipe piles.
- .2 Operators for all heavy equipment rentals that perform services under this agreement shall be licensed for road travel as required and must be experienced/qualified for equipment to the satisfaction of the Owner.

3.2 LICENSED

- .1 Operators for all heavy equipment rentals that perform services under this agreement shall be licensed for road travel as required and must be experienced/qualified for equipment to the satisfaction of the Owner.

END OF SECTION



Part 1 General

1.1 DESCRIPTION

- .1 This Section describes the requirements for supply and fabrication of steel pipe piles for the Steveston Float Reconstruction, including welding inspection and testing.
- .2 No coating of the steel pipe piles are required.

1.2 MEASUREMENT AND PAYMENT

- .1 Steel pipe piles will be measured in linear length of fully fabricated 21.3m long pile delivered to site.
- .2 No separate payment for shop splice and delivery.
- .3 All cost associated with quality control and quality control testing will be considered as incidental to the Work.
- .4 All cost associated with mobilization and demobilization of pile-driving equipment are covered under Section 01 50 00 (Mobilization & Demobilization).
- .5 Handling and installation of steel piles **onsite** will be measured as the number of man hours of bridgeman crew and number of hours of utilized equipment used to perform such activity. Steel piles must come to Site in full length.
- .6 No separate payment for handling of steel piles **off** Steveston Work Site.
- .7 Seek for approval from Departmental Representative to confirm steel pipe size and quantity prior to material procurement.

1.3 REFERENCES

- .1 American Petroleum Institute (API) Spec 5L, Specification for Line Pipe.
- .2 ASTM A27/A27M, Standard Specification for Steel Castings, Carbon, for General Application.
- .3 CSA G40.20/G40.21, General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel.
- .4 CSA W47.1, Certification of Companies for Fusion Welding of Steel.
- .5 CSA W48, Filler Metals and Allied Materials for Metal Arc Welding (developed in cooperation with the Canadian Welding Bureau).
- .6 CSA W59, Welded Steel Construction.
- .7 CSA W178.1, Certification of Welding Inspection Organizations
- .8 CSA W178.2, Certification of Welding Inspectors.



1.4 SUBMITTALS

- .1 Prior to start of fabrication, submit to Departmental Representative for review of the following:
 - .1 Proposed pile length and splices and welding procedure.
 - .2 Mill certificates for steel piles signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.
 - .3 Certified test reports on fabrication welds and field splice welds. Provide certification for fusion welding in accordance with CSA W47.1 and CSA W47.1S1.

Part 2 Products

2.1 MATERIALS

- .1 Steel pipe for piling shall be straight seam and shall have minimum yield strength of 310 MPa meeting the requirements of the latest edition of at least one of the following specifications:
 - .1 ASTM A252 Grade 3
 - .2 API 5L Grade X46
 - .3 CSA Z245.1-M
- .2 The minimum length of a pile section used in the fabrication of piles shall be 3m.
- .3 Welded pipe splices shall have full strength welds.
- .4 The Contractor shall provide necessary certification from a certifier acceptable to the Engineer to demonstrate that the material meets the above standards.
- .5 Rolled steel for backing rings shall conform to CAN/CSA G40.21, Grade 300W.
- .6 Welding Consumables: to CSA W48 series. The metallurgy of deposited weld metal shall match that of the base metal. Tensile strength of weld metal shall exceed tensile strength of base metal.

2.2 FABRICATION

- .1 Fabricate and supply full length piles to eliminate splicing during installation wherever possible.
- .2 Do not use pipe segments less than 3 meters long for pile fabrication.
- .3 Carry out welding in accordance with CSA W59 Clause 11. Use complete joint penetration welds to splice pipe lengths.



- .4 Except where field splices are unavoidable, splice piles in a workshop or similar protected and equipped facility to ensure good quality splices. Manipulate lengths to be joined in jigs so that only down-hand welding is employed.
- .5 Use a backing ring for all welded splices of pipe piles. Tack weld backing ring to the inside of one section.
- .6 Stagger the longitudinal welds of pile lengths to be joined by 90 degrees
- .7 Tolerances shall conform to the following:
 - .1 Axial Alignment: Maximum deviation of the line of the pile at the splices not to exceed 3 mm when compared with a 3 meter straight edge.
 - .2 Straightness: Deviation from straight line over total length of fabricated pile shall not exceed $L/1000$, where L is the total length of the pile.
 - .3 End Squareness: When any pile section is placed with its end in contact with a plane perpendicular to the pile axis, no part of the circumference shall be more than 1.5 mm away from the plane.
 - .4 Matching of Ends: Root edges or root faces of lengths of piles that are to be butt welded shall not differ by more than 3 mm. Set up pile lengths so that the differences in dimensions are matched as evenly as possible.

2.3 QUALITY CONTROL

- .1 Perform quality control inspection and testing on all welds. Quality control welding inspection and testing shall be carried out by a qualified independent agency approved by Departmental Representative, and all such inspection and testing shall be deemed incidental to the Work. Quality control welding inspection shall be carried out in accordance with CSA W59 Clause 7. In addition to visual inspection, ultrasonic non-destructive testing (NDT) will be required for welds as specified.

2.4 DELIVERY, STORAGE AND HANDLING

- .1 Piles shall be handled and stored so as to avoid over stressing or injury, and any piles bent or damaged, or in any way made defective in the opinion of the Owner or Engineer, shall be made good to his satisfaction or replaced.
- .2 Deliver new, undamaged materials to site, accompanied by certified test reports, with manufacturer's logo and mill identification mark provided on pipe piles.
- .3 Store piles above ground on wood supports or dunnage. Contact surfaces of supports or dunnage shall be smooth and covered with suitable padding material.

Part 3 Execution



3.1 INSTALLATION OF STEEL PILES

- .1 Piles shall be installed in accordance with Best Management Practice for Pile Driving and Related Operations – BC Marine and Pile Driving Contractors Association – November; 2003.
- .2 All piles shall be driven to the pile tip elevation, to be determined after award. It is expected that all piles to be installed to final tip elevation with a vibratory hammer.
- .3 All pile driving equipment shall be in good mechanical condition and shall be capable of delivering the manufacturer's rated energy output and shall be operated in accordance with the manufacturer's instructions.
- .4 If impact hammer is used, pile driver leads shall be constructed in a manner which affords freedom of movement of the hammer and they shall be held in position by guys, stiff braces or by attaching to cranes or derricks so as to ensure proper support for the pile during driving. Hammer blows at all times shall be in direct line with the axis of the pile.
- .5 Steel piles shall be driven without excessive deformation of the head of the pile.
- .6 Piles shall be driven in the mooring well of the new timber float. Piles shall be driven and installed within a tolerance of +/- 50 mm in location and within 0.5% from the specified axial alignment. The Engineer may reject piles driven out of alignment or damaged in any way after inspection. Cost of remedial measures decided by the Engineer shall be borne by the Contractor.

3.2 CUT OFFS

- .1 After driving, piles shall be cut off at the elevations to be determined after award. Allow 2-3 feet of length above cut off so that no part of the head of the pile damaged or deformed during driving remains in the work.
- .2 The head of the pile shall be cut square and cover with a **fully welded steel lid** to discourage oxygen presence in the driven steel piles.
- .3 Piles shall be cut in a flat plane. A suitable guide shall be used to aid in cutting piles so that the cut off plane is within specified butt weld splice tolerances.

3.3 PILE DRIVING RECORDS

- .1 The Contractor shall maintain an accurate record of pile driving and shall submit a copy of the record to the Engineer. The Contractor shall co-operate with the Engineer in maintaining these records.

END OF SECTION



Part 1 General**1.1 DESCRIPTION**

- .1 This Section describes the requirements for supply and fabrication of Fibreglass Timber pontoons.

1.2 MEASUREMENT AND PAYMENT

- .1 Measurement will be based on number of fabricated pontoons supplied and delivered. Delivery address: 12740 Trites Road, Richmond, BC. Canada.

1.3 REFERENCES

- .1 Canadian Plywood Association (CANPLY)
- .2 Canadian Standards Association (CSA International)
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
 - .2 CSA O112 Series-M1977(R2006), CSA Standards for Wood Adhesives.
 - .3 CSA O121-M1978(R2003), Douglas Fir Plywood.
- .3 National Lumber Grades Authority (NLGA)
 - .1 NLGA Standard Grading Rules for Canadian Lumber (Interpretation Included) - December, 2005.
- .4 The Engineered Wood Association (APA)

1.4 REFERENCE DRAWINGS

- .1 Appendix B – Fiberglass_Pontoon_Frame_Dwg

Part 2 Products**2.1 MATERIALS**

- .1 Lumber:
 - .1 Lumber to be graded and stamped in accordance with applicable grading rules and standards of associations or agencies approved to grade lumber by Canadian Lumber Standards Accreditation Board of CSA.
 - .2 Species: Douglas Fir.
 - .3 Grade: Structural No. 1 or better (kiln dried)
 - .4 Grading: authority NLGA.
- .2 Glue: to CSA O112 Series. Frame joints to be glued with waterproof cold setting resorcinol or phenol resorcinol resin adhesive or equivalent marine grade glue.



- .3 Plywood:
 - .1 Douglas Fir plywood: to CSA O121.
 - .2 Grade: solid two sides.
 - .3 Thickness: 13 mm.
 - .4 Grading authority: CANPLY Plywood Handbook.
- .4 Fasteners: Stainless steel wood screws, and hot dip galvanized spikes, staples to CSA B111.
- .5 Glass fibre exterior coating:
 - .1 Glass fibre cloth: 340 g/m² fabric.
 - .2 Polyester resin: general purpose, air dry type.
 - .3 Do not use colouring additives in resins.
 - .4 Final finish coat: gel coat resin.
- .6 Pump hole: cast bronze, stainless steel or UV stable plastic suitable for marine use.
 - .1 Deck fitting: 76 mm inside diameter.
 - .2 Plug: screw type with two key holes.
 - .3 Plug threads: to be greased before placing. Leave plugs loose during shipment.

2.2 FABRICATION

- .1 Overall dimensions of finished pontoon: length 2400 mm, breadth 1169 mm and height 635 mm.

Part 3 Execution

3.1 CONSTRUCTION

- .1 Manufacturer's Instructions: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheet.

3.2 FRAME

- .1 Construct frame in accordance with details as indicated.
- .2 Secure each joint by gluing each contact surface and fastened with #8 stainless steel wood screws.

3.3 SHEATHING

- .1 Sheath frame with single sheets of 13 mm plywood.



- .2 Secure sheathing to frame with glue and #8 38 mm stainless steel wood screws at 152 mm centres.
- .3 Use glue and filler to fill and eliminate minor imperfections between frame and sheathing. Fill and sand smooth imperfections in surfaces.
- .4 Round edges to 16 mm radius as long as this radius is suitable for glassing the specified weight of cloth tape and sheathing.

3.4 EXTERIOR COATING

- .1 Cover exterior surfaces of pontoon with layer of glass fibre cloth impregnated with polyester resin. Chopped fibre glass will not be permitted.
- .2 Method of application of cloth and resin to ensure that bond between coating and plywood is stronger than bond between plywood layers when tested to failure.
- .3 Minimum thickness of finished coating: 1.6 mm.
- .4 Cover surfaces of cloth must be completely penetrated with resin and exceed minimum thickness where necessary to achieve full cover.
- .5 Do not apply resin when temperature is below 10 degrees C or when plywood has moisture content in excess of 8% by mass.
- .6 Overlap glass cloth at joints: 51 mm minimum.
- .7 Do not make joints in glass cloth parallel to and within 51 mm of any edge.
- .8 Use two plies of glass cloth on pontoon edges and carry extra ply at least 51 mm from edges.
- .9 Work out air bubbles, cloth wrinkles, resin runs, and foreign material.
- .10 Sand surface lightly and inspect for air bubbles, pin holes and resin runs after resin surface is thoroughly dry.
 - .1 Sand out such imperfections completely.
 - .2 Patch with glass cloth and resin to cover area two times size of imperfection.
- .11 Apply two final coats of hard setting clear finish coat to surfaces of pontoon.
- .12 Site Tolerances: plus or minus 25 mm on overall dimensions.

3.5 INTERIOR FINISHING

- .1 Prior to installing the top plywood plate, apply one coat of resin in the interior of the pontoon.
- .2 Install one piece of polystyrene foam minimum 300mm x 300mm x 300mm, inside the pontoon prior to attaching the top plywood plate.



3.6 FIELD QUALITY CONTROL

.1 Site Tests/Inspections:

- .1 Provide Departmental Representative with minimum of 5 days notice of date of beginning Work on pontoons and provide access to Work for inspection.
- .2 Pontoons constructed in whole or in part without inspection will not be accepted.
- .3 Final inspection of pontoon will be made in place.
- .4 Evidence of water in pontoon regardless of amount will be cause for rejection.

END OF SECTION

