

**AAFC Melfort Research Farm
Contract 12 – Center Shed Concrete Floor
Standard Specifications –October 2014**

Scope of Work: The work consists of the supply of all equipment, labour and materials for the installation of a new concrete floor at the AAFC Melfort Research Farm.

Drawing:

- Melfort Research Station Site Plan

Work Required:

- Demo and remove existing concrete floor in center shed
- Pour new concrete floor pad approximately 40'x100'
- 6" Concrete
- 10mm rebar place at 16" centre
- prepare base as needed to support concrete floor
- 6 Mil Poly

General Notes:

- The National Building Code latest edition and all pertinent recommendations of CSA Standard A23.1 and A23.3 shall be the basis for the design and construction of all work on this project.
- All concrete unless otherwise stated shall be designed for a C2 class exposure as follows:
 - Min compression strength (28 days) – 32 mPa
 - Max water to cementing materials ratio 0.45
 - Air Entrainment (+/- 1%) – 6%
 - Slump 75-125mm
- All cement type shall be GU
- Concrete Cover for Reinforcing Steel be as follows:
 - The reinforcing steel shall be placed in the centre of the slab. In no case shall the distance from the bottom surface of the reinforcing steel be closer to the soil or granular fill material than 50mm (2").
 - Concrete deposited against soil – 2"
- All reinforcing steel shall be high bond deformed bars conforming to CSA G30.18 Grade 400 – 10mm or larger
- All bending details, dimensions, anchorages, cut-off lengths, bar supports, spacers, and location of reinforcing splices shall be in accordance with CSA A23.2 latest edition.
- All fill material shall be granular and shall be placed in horizontal layers not exceeding 6" and shall be compacted to a minimum of 95% standard proctor density. Granular finished course material shall be well-graded gravel and shall be compactable.

Completion of the Work: The work shall complete on or before December 12, 2014.

Constraints:

1. The successful bidder shall be qualified to undertake the necessary work;
2. Time - time is of the essence. The Contractor shall pursue completion of the work immediately upon award.
3. Site Safety - see below;
4. The work shall be subject to inspection by agencies having authority and/or other staff appointed by AAFC.

Site Contact: Sheldon Stobbs
Farm Manager
Agriculture and Agri-Food Canada
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Site Visit: Before submitting his tender, each bidder should perform a pre-tender site visit to examine the jobsite conditions, familiarize themselves with the facility, control system(s) and all matters required for the completion of the work under this contract. Failure to acquaint himself fully with all available conditions affecting the work shall not relieve the Contractor of the responsibility for estimating the difficulties and costs of satisfactorily performing the work.

Protection of Persons and Property: The Contractor shall use due care and take all necessary precautions to ensure the protection of persons and property and shall comply with the provision of the applicable federal and provincial government agencies including but not limited to the Workers' Compensation Board and the Provincial Labour Occupational Health and Safety Board. The Contractor shall have a site safety management plan prior to mobilizing to site. This plan shall include provisions to ensure the safety of the public, those engaged in the work under this contract, and those employed by other agencies or contractors who may require access to the site against accident and injury. The Contractor shall post on site all necessary and applicable signs regarding safety hazards, and the required personal safety equipment. Further to the provisions of the General Conditions, the Contractor shall appoint a competent site supervisor who shall be responsible for all daily construction activities with authority over all contractors, subcontractors, and workers on site, including the implementation of the site safety management plan.

The Contractor shall without additional instructions, supply and maintain at all times during the progress or suspension of the work, suitable barricades, fences and signs as are necessary to ensure the safety of the public, those engaged in the work under this contract, and those employed by other agencies or contractors who may require access to the site against accident and injury.

Notwithstanding the provisions of the General Conditions, in any emergency affecting the safety of life, or of the work, or of adjoining property, the Contractor, without direction from the Site Contact, shall act in a reasonable manner to prevent loss or injury.

Protection of Constructed Works: The Contractor shall be responsible for the protection of all materials, equipment and constructed works until acceptance of the work.

AAFC Site Contact to Direct Course of the Work: The Contractor's construction operations shall be subject to the approval of the AAFC Site Contact. The capacity of the Contractor's equipment, labour force, sequence of operations and methods of operation shall be such as to ensure the completion of the work as specified herein. All work performed will be subject to inspection. Acceptance of all works to be performed under this contract will be subject to the

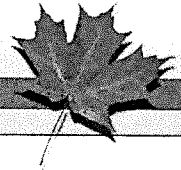
discretion and approval of the AAFC Site Contact or his representative.

Permits, Licenses, Regulations and Acts: The Contractor shall be responsible for obtaining and paying for any permits or licenses as may be required for any portion of this contract. The Contractor shall comply with all Municipal, Provincial Government and Government of Canada regulations.

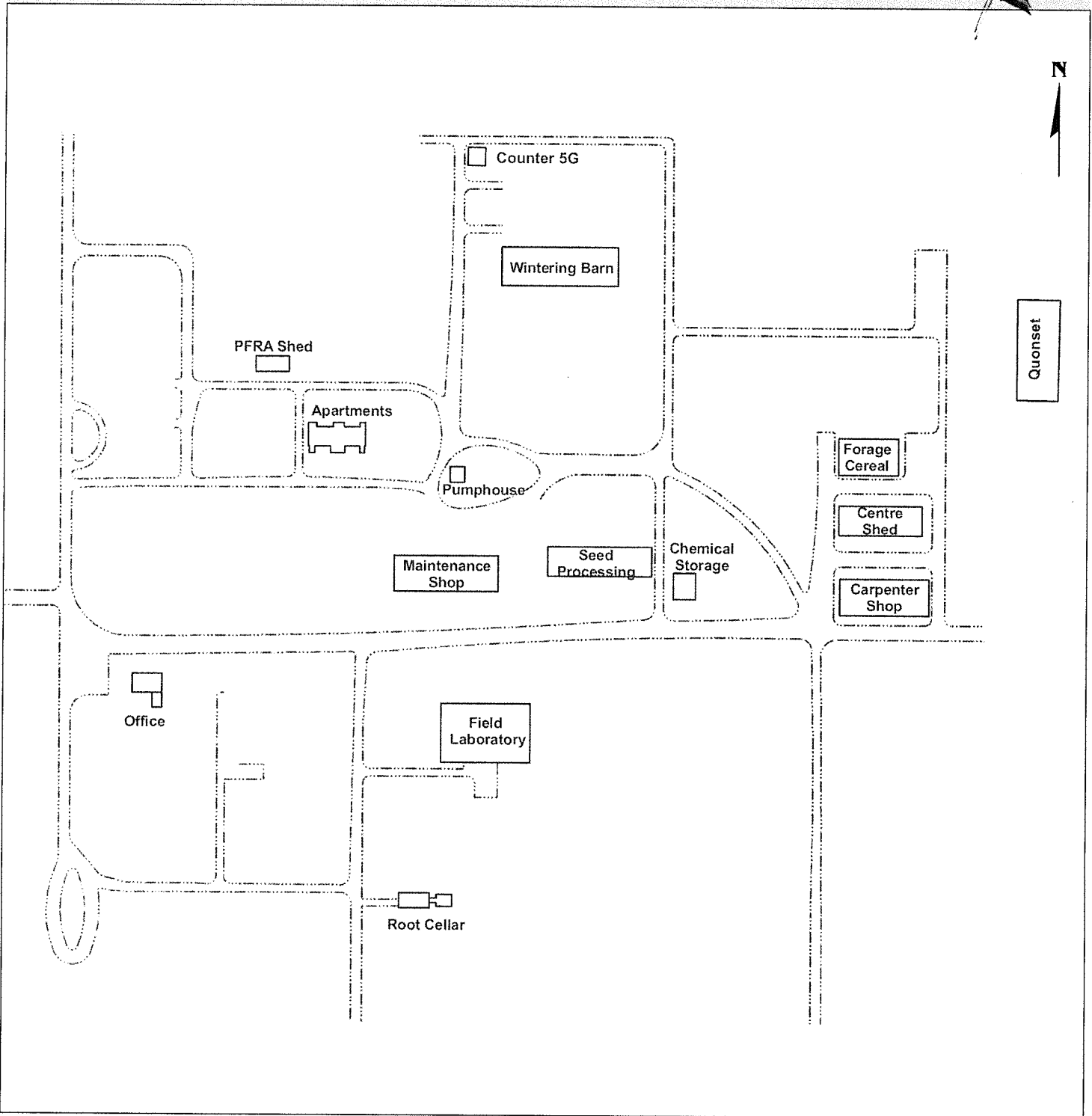
Payment: The work shall be paid for at the lump sum price bid for the work in the Price Table.



Melfort Research Station



Buildings



Legend

- BUILDINGS
- roadways

1:2,200
(when printed on 8 1/2" x 11" paper)

0 9 18 27 36
Meters

Disclaimer:
User assumes all responsibility for use, interpretation, and application of information contained on this map.

