



CONSTRUCTION SPECIFICATION FOR LOCAL SEED BANK

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830.01 SCOPE

This specification covers the requirements for the salvage, stockpiling and installation of local seed bank.

830.01.01 Specification Significance and Use

This specification is written as a provincial-oriented specification. Provincial-oriented specifications are written to reflect the administration, testing, and payment policies, procedures, and practices of the Ontario Ministry of Transportation.

Use of this specification or any other specification shall be according to the Contract Documents.

830.01.02 Appendices Significance and Use

Appendices are not for use in provincial contracts as they are developed for municipal use, and then, only when invoked by the Owner.

Appendices are developed for the Owner's use only.

Inclusion of an appendix as part of the Contract Documents is solely at the discretion of the Owner. Appendices are not a mandatory part of this specification and only become part of the Contract Documents as the Owner invokes them.

Invoking a particular appendix does not obligate an Owner to use all available appendices. Only invoked appendices form part of the Contract Documents.

The decision to use any appendix is determined by an Owner after considering their contract requirements and their administrative, payment, and testing procedures, policies, and practices. Depending on these considerations, an Owner may not wish to invoke some or any of the available appendices.

830.02 REFERENCES

This specification refers to the following standards, specifications, or publications:

Ontario Provincial Standard Specifications, General

OPSS 206	Grading
OPSS 804	Seed and Cover
OPSS 805	Temporary Erosion and Sediment Control Measures

Ontario Provincial Legislation

Invasive Species Act, 2015, as amended

830.03 DEFINITIONS

For the purpose of this specification, the definitions in OPSS 182 and the following definitions apply:

Invasive Species means as in the Invasive Species Act.

Local Seed Bank means the seeds of species native to a project site and the topsoil the seeds are contained in located within a riparian vegetation area.

830.05 MATERIALS

830.05.01 Local Seed Bank

Local seed bank shall be sourced on-site from designated salvage areas as specified in the Contract Documents.

Local seed bank shall not contain prohibited or restricted invasive species.

830.07 CONSTRUCTION

830.07.01 Local Seed Bank Salvage

Local seed bank shall be salvaged from April to October.
Designated salvage areas for local seed bank shall be excavated to a depth of 150 – 300 mm or as otherwise specified in the Contract Documents.

830.07.02 Local Seed Bank Stockpiles

Salvaged local seed bank may be stockpiled for storage in locations specified in the Contract Documents for up to 6 months if it cannot be installed on designated receiving sites immediately.

Local seed bank stockpiles shall not exceed 1500 mm in height and shall not be compacted. Machinery shall not be allowed on stockpiles.

Local seed bank stockpiles shall be kept moist to prevent seeds from drying out during storage.

Local seed bank stockpiles shall be covered with tarps or woven geotextile material to prevent soil erosion and contamination by weeds during storage. Alternatively, local seed bank stockpiles shall be stabilized with vegetation according to OPSS 804.

Light duty sediment barrier according to OPSS 805 shall be installed around the entire base of local seed bank stockpiles.

830.07.03 Local Seed Bank Installation

Salvaged local seed bank shall be installed on designated receiving sites as specified in the Contract Documents immediately, when practicable.

Receiving sites as specified in the Contract Documents shall be fine graded to a uniform surface according to OPSS 206 prior to installation of local seed bank. The surface of the receiving site shall be loosened to a depth of 25 mm and be free of vegetation, stones and other debris which would not be covered by the depth of local seed bank depth specified in the Local Seed Bank Salvage subsection.

If any designated receiving area is subsequently re-graded after installation of local seed bank, additional local seed bank shall be salvaged and installed according to this specification.

Should local seed bank no longer be available, the area shall be seeded according to OPSS 804.

830.07.04 Protection of Waterbodies and Waterbody Banks

Protection of waterbodies and waterbody banks shall be according to the Contract Documents.

830.07.05 Management of Excess Materials

Management of excess materials shall be according to the Contract Documents.

830.09 MEASUREMENT FOR PAYMENT

830.09.01 Actual Measurement

830.09.01.01 Local Seed Bank

Measurement of local seed bank shall be by area in square metres.

804.09.02 Plan Quantity Measurement

When measurement is by Plan Quantity, such measurement shall be based on the units shown in the clauses under Actual Measurement.

830.10 BASIS OF PAYMENT

830.10.01 Local Seed Bank – Item

Payment at the Contract price for the above tender item shall be full compensation for all labour, Equipment, and Material to do the work.