

# Provincial Scope Document

## 37 - LANDSCAPE GARDENING (Post Secondary)

**Contest Length: 6 hours**

**Date: January 4, 2019**

**Teams of Two**

### **Purpose of the Challenge:**

The landscape gardener must carry out, safely and with expertise, the following tasks:

- Private and public gardens
- Private and public parks
- Strips of green along public and private roads, waterways, canals
- Plants and greenery inside and on the interior of buildings (on roofs and facades)
- Projects for natural recuperation
- Water gardens

### **The Competition:**

#### **Test Project**

There will be two competitors per team

The team must build and layout a small garden or part of a garden by preparing and using various materials, such as natural stones, fresh or prefabricated concrete, mortar and wood. The team will also landscape their built space using living materials such as soil, lawn, plants and water.

The drawing of the test layout will be kept secret until the time of the competition. However, so they may focus their training, the nature of the 4 tested components will be revealed.

#### **Test Components:**

- Each team's site will measure at least 3.5m X 3.5m.
- Test components will be the following:
  - Paving stones or slabs
  - Modular Walls, retaining walls
  - Steps
  - Wood construction
  - Water
  - Planting / turf sod
- Planting and paving are compulsory components.
- Planting must occupy at least 50% of the total workstation surface.
- Any or all of the components listed above will be chosen for the test.
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### **Skills & Knowledge to be Tested:**

The appropriate technical skills are:

- Reading and carrying out plans, sketches, quotes and construction details;
- Marking out measures and dimensions onsite with stakes and alignment string;
- Marking out elevations with stakes and alignment string;
- Using plumbing techniques
- Manipulating, cutting and shaping, installing and setting natural or artificial stones, concrete paving blocks or tiles and/or wood materials to realize walls, patios, pavements and steps;
- Cutting, filling, laying out or leveling gravel, crushed stone, topsoil or soil mix (planting mix);
- Laying out planting areas using lawn (rolled up lawn), trees, shrubs, perennial or annual herbaceous plants;
- Creating water gardens;
- Complying with regulations concerning safety and the protection of the environment

The appropriate theoretical knowledge should cover the following areas:

- Construction work and masonry in landscaping
- Planting techniques in landscaping
- Materials and their applications
- Both imperial and metric system of measurement

### **Installations:**

- Each team will have a clearly delimited site of 3.5m X 3.5m, minimum.
- Each team's site will have been previously filled and compacted with granular materials and topsoil, up to the last 100mm included in the evaluation.
- Each team will have a work station (15m<sup>2</sup> minimum) close to their site to allow for sufficient storage space to safely store materials, tools and equipment.
- Sufficient space will be provided for the use and circulation of equipment and machinery.
- Each team will have a rest area and a work bench.

### **Safety Requirements:**

Safety awareness/requirements will be maintained to minimum industry standards at all times. A contestant will not be allowed to compete without the safety equipment noted on this document.

### **Clothing Requirements:**

#### **Supplied by Contestant:**

Competitors must wear the appropriate clothing (long pants and a long or short sleeved shirt) and personal protective equipment (PPE): CSA approved hardhat, safety boots, safety goggles, hearing protection, reflective safety vest (shirt) and gloves. Competitors without the proper safety equipment will not be allowed to compete.

## Equipment / Tools / Materials

### Supplied by Committee:

All workstations will be supplied with the following required materials.

### Tools per Group

Qty	Description
3	Tape measure (25' or 7.5 m)
1	Rubber mallet
1	Small Sledge hammer
4	String lines 15 metre
1	String level
2	Round nose shovels
2	Square nose shovels
1	Wheel barrow
1	24" landscape rake
1	Bow head rake
1	Wooden screed board minimum 8' - 2x4
2	Screed rails 1" outside diameter 6' long
1	Combination square
3	Sets safety gear (safety glasses, particle masks, hearing protection, hard hat)
1	Brick trowel
1	Push broom (street broom)
1	Chalk line
3	Wax pencil or carpenter's pencils
1	Framing square
2	Battery drill gun c/w Robertson # 8 bit and a selection of screws (wood)
1	Torpedo level
1	48" carpenter's/ spirit level
1	Builder's level (laser type)
1	Tripod for level
1	Survey rod
1	Plumb line
1	Hand tamper
1	Brick bolster (chisel)
1	Can marking paint
1	Hand secateurs
2	Hammer
1	7.25" corded circular saw
2	Saw horse

### Shared Tools (as required)

1	Wet saw for cutting bricks
1	Combination mitre saw
1	Masonry cut-off saw (gas powered)
1	Guillotine brick cutter

### Supplied by Team (2):

The contestant must supply his or her own hand tools and a measuring tape in millimeters (1" wide recommended). The team must bring their own wooden sign with the contestants' names, school name & logo. The sign should measure 60cm wide x 30cm tall.

### Judging / Distribution of Marks

The drawing and the construction details for the test will be provided by the organization, and presented just before the start of the competition. If changes are to be introduced, they will be made from the very beginning and agreed upon and approved by all the judges or experts, by mutual consent.

Candidates will be clearly informed of the quotes, evaluation criteria, notation and rating criteria, as well as health and safety standards which must be applied.

Health and safety standards will be graded either pass or fail and considered an integral part of the work process.

Criteria for work process, such as correct leveling or compacting techniques, or appropriate horticultural techniques, etc., shall be defined in detail before the start of the competition and unanimously accepted.

POINT BREAKDOWN	/1000
a) Horizontal Measurements	150
b) Work Process	100
c) Vertical Measurements	150
d) Layout of green space	200
e) Hardscape Construction	200
f) Other items (wood, water, etc.)	100
g) General impression	100

Component F, Other items, will include one (1) OR two (2) components, considering the time limits. Therefore point allocation may change from one year to the next based on project elements (wood, water, etc.) in relation to components E and G.,

Considering the great diversity of conceptual possibilities:

The test plan presented by the organizing committee must be approved by all of the judges, and even, if necessary, for the sake of the competition, be subjected to certain modifications.

## Technical Committee:

Rob Welsh, Kwantlen Polytechnic University (Technical Chair)

Bill Hardy – HortEducationBC (Chair)

Brian Huttema - Mijodelu Landscaping and Renovating (Adhoc Member SME)

Jamie Lamont – GSU Landscaping

Russell Lyons – Golden Ears Landscaping Ltd.

Kevin O'Connor – Branching Out Landscaping

Mike Vandergugten - Higher Ground Landscaping and Design (Adhoc member SME)

Derek Churchill – West Vancouver Parks Department

**Gold medal winners at the BC Skills Competition are eligible to compete at the National Skills Competition May 27 – 30, 2019 in Halifax, Nova Scotia.**