

CANADIAN SKILLS COMPETITION



SCOPE DOCUMENT	
Competition Year	2010
Competition location	Waterloo
Trade Number	37
Trade Name	Landscape Gardening
Level	Post-Secondary

1. INTRODUCTION

1.1 Purpose of the Competition.

To evaluate the expertise of future landscape gardeners in layout, construction and installation of hardscape and softscape elements

1.2 Duration of contest.

12 hours

1.3 Skills and Knowledge to be tested.

The technical skills that will be tested are: reading, interpreting and executing construction plans, accurately scaling measurements and setting dimensions on site, using vertical measurement techniques. Competitors may also cut, shape and set natural or manufactured materials such as stone, concrete pavers and wood materials to build walls, patios, walkway and steps. The skills to be tested include cutting, filling, and leveling aggregate material and planting media; installing trees, shrubs, perennials, annuals or sod, and other elements,

2. CONTEST DESCRIPTION

No more than one team of two competitors will represent each provincial or territorial entry. Each team must layout and build a landscape construction project as described by provided construction plans and details. The test project will involve preparing and installing various materials, such as natural stone, precast concrete, wood, planting media, mulch, plants and other landscape elements.

2.1 List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Project	3 months before the competition
Equipment and material list	1 month before the competition

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2.2 Elements to be included in the construction plans:

- paving units
- steps
- planting
- walls, retaining walls
- wood construction
- water feature
- Within section 2.2 the planting and paving elements are compulsory components. Planting must occupy at least 50% of the total construction site surface. *A maximum of 5 out of the 6 components listed above will be chosen for the competition project.*

3. EQUIPMENT, MATERIAL, CLOTHING

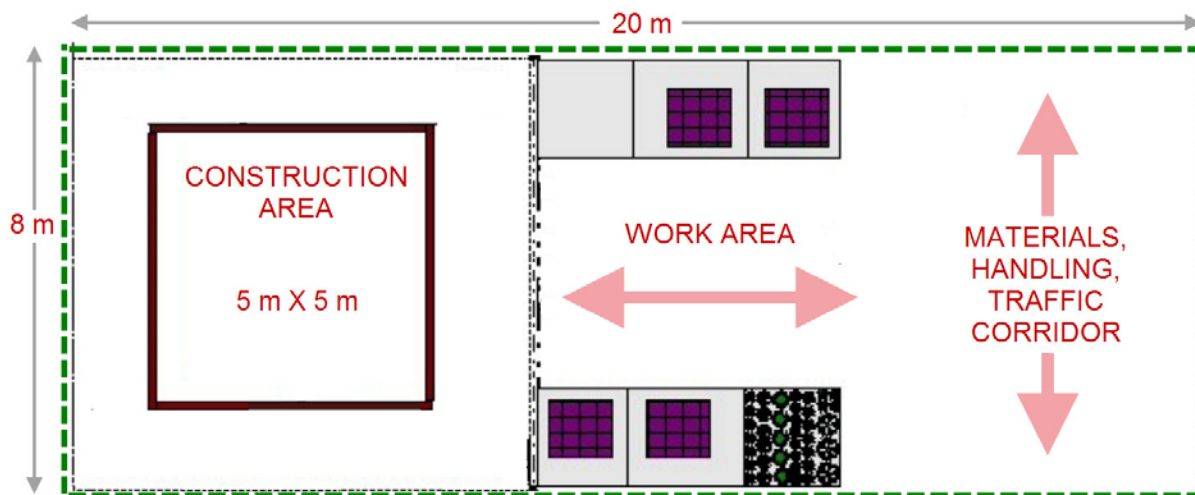
3.1 Equipment, material and workspace provided by Skills/Compétences Canada

- All necessary material and equipment will be provided, including tools as listed on the list to be provided in January 2010:
- Work Space Installation
 - Each competition team will have a work space of 8m x 20 m.
 - Within each workspace each team must have clearly defined construction area measuring 5 m x5 m.
 - The construction area must have clearly defined measuring points (two) from which all construction measurements can be determined.
 - Each team's construction area will have been previously filled and compacted with granular materials and/or planting media, as much as possible within 100 mm of finished grade perimeter.
 - Within the work space each team must have a work station measuring 3 m x 8 m.
 - The work space must allow sufficient storage space to safely store materials, tools and equipment.
 - Sufficient space must be provided for the use and circulation of equipment and machinery.
 - Each team must have a rest area and a work bench within their work space.
 - Each work space must provide reasonable accommodation for problems caused by inclement weather, if the event should be held outdoors.
 - Each team must have equal, fair access to their site.
 - For safety reasons, all handling of materials and construction equipment (fork lifts, loader, excavators) to and from the competition area should be the organization's responsibility.

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- The floor must be even and allow any required transport by construction equipment.
- At all times during the competition, access to the competition area and individual construction sites must be ensured for transport of required materials.
- If the competition is held inside, ensure good ventilation.



3.2 Equipment and material provided by the competitor

- Rubber mallet or deadblow hammer-2 per team
- Quick grip clamps-4 per team
- Sledge hammer-3 or 4 pound-2 per team
- Masonry hammer-stone working-2 per team
- Carpenters hammer-"straight claw, 18 ounce"-2 per team
- Wood Chisels-assorted-6 per team
- Saw-hand saw-2 per team
- Saw-Japanese-2 per team
- Circular saw-Approx. 8 inch-1 per team
- Combination Square-16 inch combination-2 per team
- Carpenter's square-2 per team
- Marking utensils-10 per team
- Masonry string-50 ft roll-2 per team
- Torpedo level-2 per team
- Carpenters level-2 ft-2 per team
- Carpenters level-4 ft-2 per team
- String Level-2 per team
- Post level-2 per team

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- Nails-small bag
- Tape measures-metric (25 feet)-2 per team
- Utility knife and extra blades-2 per team
- Hand trowel-2 per team
- Plumb bob with retractable string-2 per team
- Palm sander-2 per team
- Cordless drill-12 volt-2 per team
- Cordless drill-18 volt-2 per team
- Drill bits-assorted metric-Assorted
- Screw driver bits #2 robertson-10 per team

Any tool not listed must be approved for use by the NTC. A written application to the NTC chairperson must be submitted at least 2 months before the competition start. Not all these tools are required to be brought, eg. a Team may select between 12 volt or 18 volt cordless drills, or bring both. None of these tools will be supplied by the organizers.

3.3 .Required clothing (Provided by competitor)

- Long pants of durable quality
- Additional clothing appropriate for weather conditions

4 SAFETY REQUIREMENTS

4.1 List of required personal protective equipment(PPE) provided by competitors

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Safety Glasses-worn at all times | <input type="checkbox"/> CSA approved Safety shoes(above ankle)-worn at all times | <input type="checkbox"/> Latex gloves |
| <input checked="" type="checkbox"/> Safety vest-worn at all times | <input type="checkbox"/> Welding helmet | <input checked="" type="checkbox"/> Dust Mask-worn when cutting materials |
| <input checked="" type="checkbox"/> Hard Hat -worn at all times | <input type="checkbox"/> Welding gloves | <input type="checkbox"/> Leather gloves-when handling precast concrete products, stone and wood |
| <input checked="" type="checkbox"/> Hearing protection-worn when using plate tamper or other powered equipment | <input type="checkbox"/> Respiratory protection | <input type="checkbox"/> No PPE required |

4.2 List of required personal protective equipment(PPE) provided by

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Skills/Compétences Canada (S/CC)

- No additional PPE will be supplied by S/CC

5 ASSESSMENT

5.1 Point breakdown

	POINT BREAKDOWN	/1000
A	Measurements	100
B	Work Process	100
C	Dimensions	100
D	Layout of green space	200
E	Floor materials	200
F	Other items	200
G	General impression	100

Component F, Other items, will include one (1) OR two (2) components, considering the time limits. Therefore, points will be distributed based on a common accord between the judges, in relation to components E, F and G.

6 ADDITIONAL INFORMATION

6.1 Consecutive translation

If consecutive translation is required on site, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service might not be guaranteed.

6.2 Tie (No ties are allowed)

- The team with the highest total score for all 7 evaluation components (A through G) will be declared the winner.
- If there is a tie using A, then all the maximum scores (for the teams locked in a tie) will be compared, and the team with the highest number of maximum scores will be declared the winner.
- If A and B do not break the tie, the team with the higher score for component A will be declared the winner.
- If the tie persists, then proceed to the team with the higher score for component B, and so on.

6.3 Competition rules

Please refer to the competition rules for all general CSC information.

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7 NATIONAL TECHNICAL COMMITTEE MEMBERS

Region	Name	Email address
Pacific Region	Dave Moroz	dmoroz@oldscollege.ca
Western Region	Gord Bone	gbone@rrc.mb.ca
Ontario	Ken Nentwig (Chair)	ken.nentwig@gmail.com
Québec	Jean_Loiselle	loiselle@hotmail.com
Atlantic Region	Doug Conrad	dconrad@clintar.com
Host Member	Sally Harvey	sharvey@landscapeontario.com