

Agriculture

Landscape Gardening – Final Test Project



WORLD SKILLS JAMAICA COMPETITION APRIL 24 TO 25, 2008

GENERAL INSTRUCTIONS

1. Each competitor will be required to carry out the test project as specified and will be available on the website three months before the competition. www.worldskillsjamaica.org
2. Each competitor will be required to carry out the test project as specified on the schedule to be handed out two days before the competition.
3. The time will be specified according to the test project.
4. 20% change will be made to the test project on the day of the competition where a new test project will be issued to the competitor.
5. All materials, ingredients, large equipment and specialized hand tools will be provided.
- 6. Please note that all competitors should provide their own small tools and utensils.**
7. Competitors are expected to identify all equipment/ materials/ingredients needed and submit list to the competitions committee no later than March 7, 2008.
8. Debriefings will also be conducted for all competitors on April 22, 2008.

9. All competitors will get an opportunity to arrange work areas the day before the competition. Where applicable competitors for the second day will arrange their work areas on the evening of day one. Competitors who fall in the second shift will get an opportunity to do their preparation at offsite locations (to be decided) where necessary.
- 10. Competitors and coaches are expected to find their way to the competition village on April 22, 2008 and to depart back home on April 26, 2008**
- 11. Transportation will be provided at designated times for all competitors and coaches to and from the competition venue.**
- 12. All coaches will play the role of experts (judges) for the competition**
- 13. Accommodation and meals will be provided for all competitors**
- 14. Accommodation will be provided for coaches only.**
- 15. All other persons that support the competitors will need to make their own accommodation arrangements.**
- 16. Lunch and light refreshment only will be provided for coaches, (experts), workshop supervisors, national trade managers and volunteers.**

17. All competitors should be present for the opening ceremony along with their coaches.
18. Rehearsal for the opening ceremony will be held on the evening of April 22, 2008 in the Indoor Sports Centre.
19. Competitors are not allowed out of the competition village unless permission is granted by the dorm master.
20. All competitors are required to register at the competition village to qualify for entry into the competition.
21. Special permission must be granted if competitors need to reside off campus.

SECTION 1

INTRODUCTION

TRADE NAME: Landscape Gardening

INTRODUCTION

This project is designed to test, over a period of 12 hours, within two (2) days, the range of skills that a landscaper uses to design and construct a garden.

There are four (4) tasks in the competition and each task will test different skill areas.

1. SODDING

This task involves a range of skills involving

- (a) measuring
- (b) cutting
- (c) laying grass (sod)

2. TILING

This task requires the competitor to cut and lay tiles.

3. PLANTING OF FLOWERS

This task involves the arrangement and sorting of flowers and shrubs in a uniform manner.

4. INSTALLATION OF PUMP AND ACCESSORIES

This task requires the competitor to install a fountain and its accessories.

Section 2

CANDIDATE'S INSTRUCTIONS

Competition Details

TRADE NAME: Landscape Gardening

RULES

All groups will be allocated a number and workstation by the expert/judge

EQUIPMENT

Adequate materials and equipment will be available to each group. Please check all equipment and material to ensure that they are correct.

PERSONAL SAFETY RULES

DURING THE COMPETITION, ALL CANDIDATES **MUST** FOLLOW THE SAFETY RULES LISTED BLOW;

SHOES:

- **Fully enclosed shoes or work boots must be worn at all times.**

CLOTHING:

- Legs must be covered at all time, by overalls or long work trousers.
- Upper body must be covered at all times.

1.1.1. GLOVES

- Must be worn when lifting stones or pushing wheelbarrow.

Any candidate, who in the opinion of the experts, is not wearing the correct safety attire or is engaging in any unsafe practice, will be stopped and NOT allowed to continue until the issue is resolved. The candidate will also lose marks.

PROCEDURE FOR LANDSCAPING PROJECT SKILLS JAMAICA 2005

1. Measure perimeter of area (20 X 20).
2. Measure the interior area and peg accordingly.
3. Create mound with topsoil provided to the specific dimension.
4. Install fountain and fountain accessories.
5. Prepare area for tiling.
6. Mix concrete and lay bricks ensuring that this is done on a level plane. Obelisk must be installed at this point.
7. Condition soil in specialized planting area and then establish plants.
- 8 Lay sod
9. Install stepping stones / paving slabs across water fountain.
10. Fill pond with water. Install pump. Turn on electricity

Section 3

Materials

TRADE NAME: Landscape Gardening

MATERIAL LISTING FOR LANDSCAPING

OCCUPATIONAL AREA: AGRICULTURE

Skill Area: Landscaping

1.1.2. Material	QUANTITY
Mixed Grass Sod	35 pieces (12"x 72" each)
Variegated Ficus –standard plant	2
Stone Slab	5 (16"x 16" each)
Obelisk (1.3 m) – natural stone	1 or synthetic (plastic) equivalent

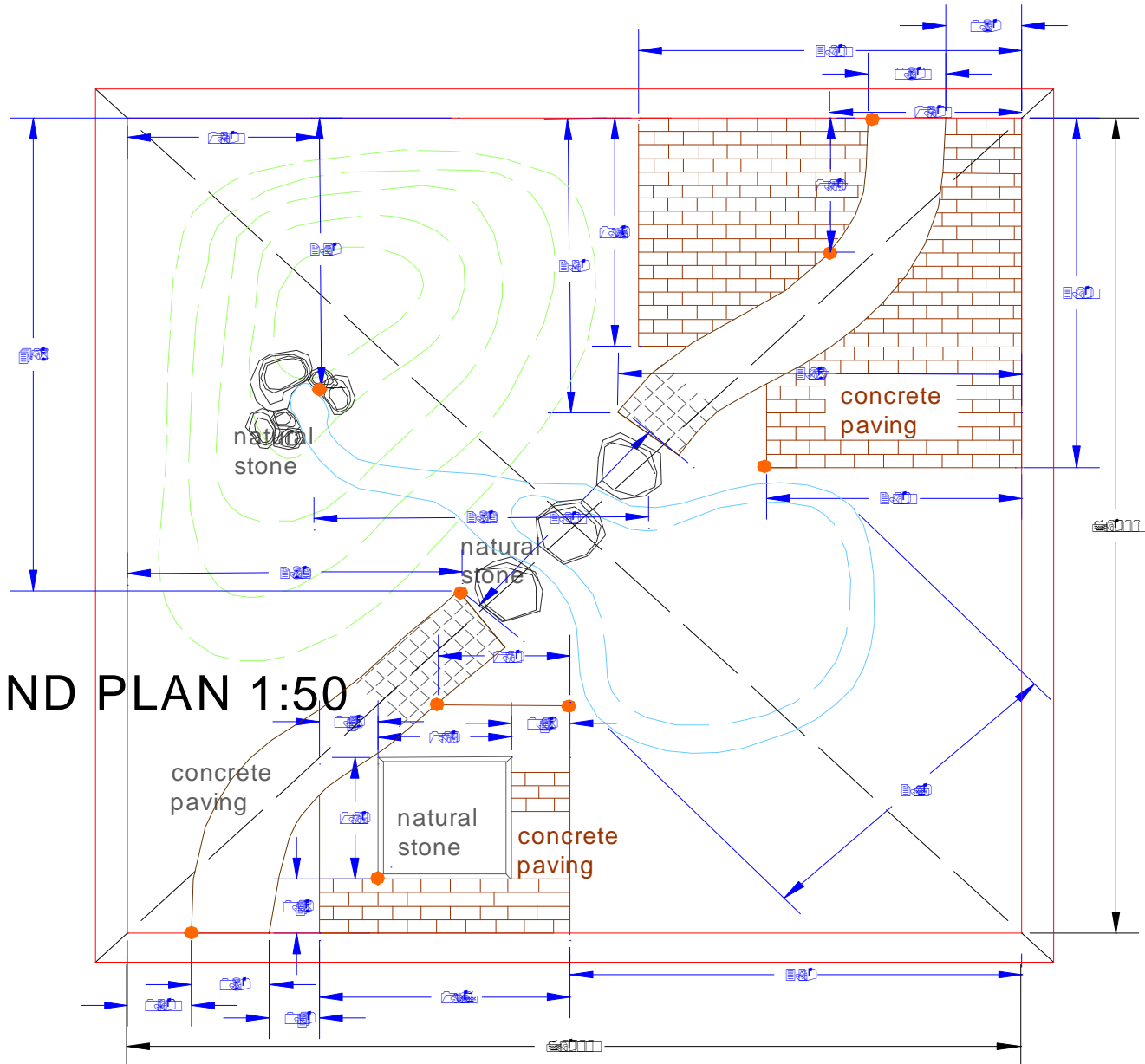
Flexible liner	1
Pond underliner	1
Rigid Liner	1
Top soil	7 yards
Gravel	2 yards
Cement	2 bags
Nylon Cord	1 roll
Bricks	250 (interlocking bricks)
Heathers	60
Hibiscus – yellow (hybrida)	5
Alternantheria	40
Spider Plant	55
Large Christmas Palm	2
Lantana – yellow	40
Lace Plant	40
Plumbago	45
Peg (stick)	40 (Pegs per group)
Sand (washed sand)	2 yards
Water fountain pumps & accessories with lights hose etc.	1
Wood Red Chip	10 bags

Please note items are listed as per group.

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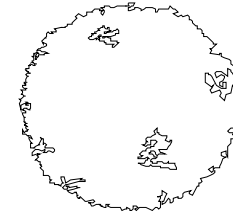
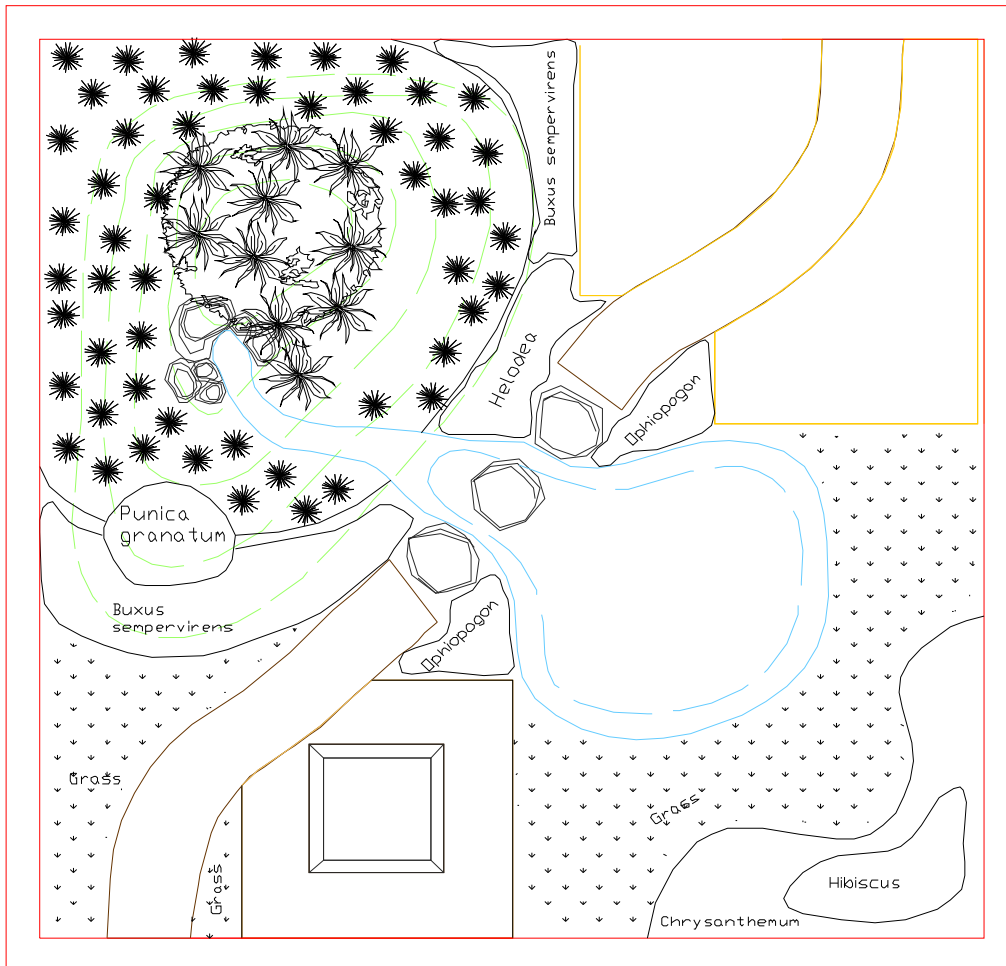
Test Project
Landscape Gardening
April 23 to 25, 2008

I. GROUND PLAN 1:50



WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

Test Project Landscape Gardening



Lagerstoemia indica



Adiantum ssp.



Chrysanthemum ssp.



Grass

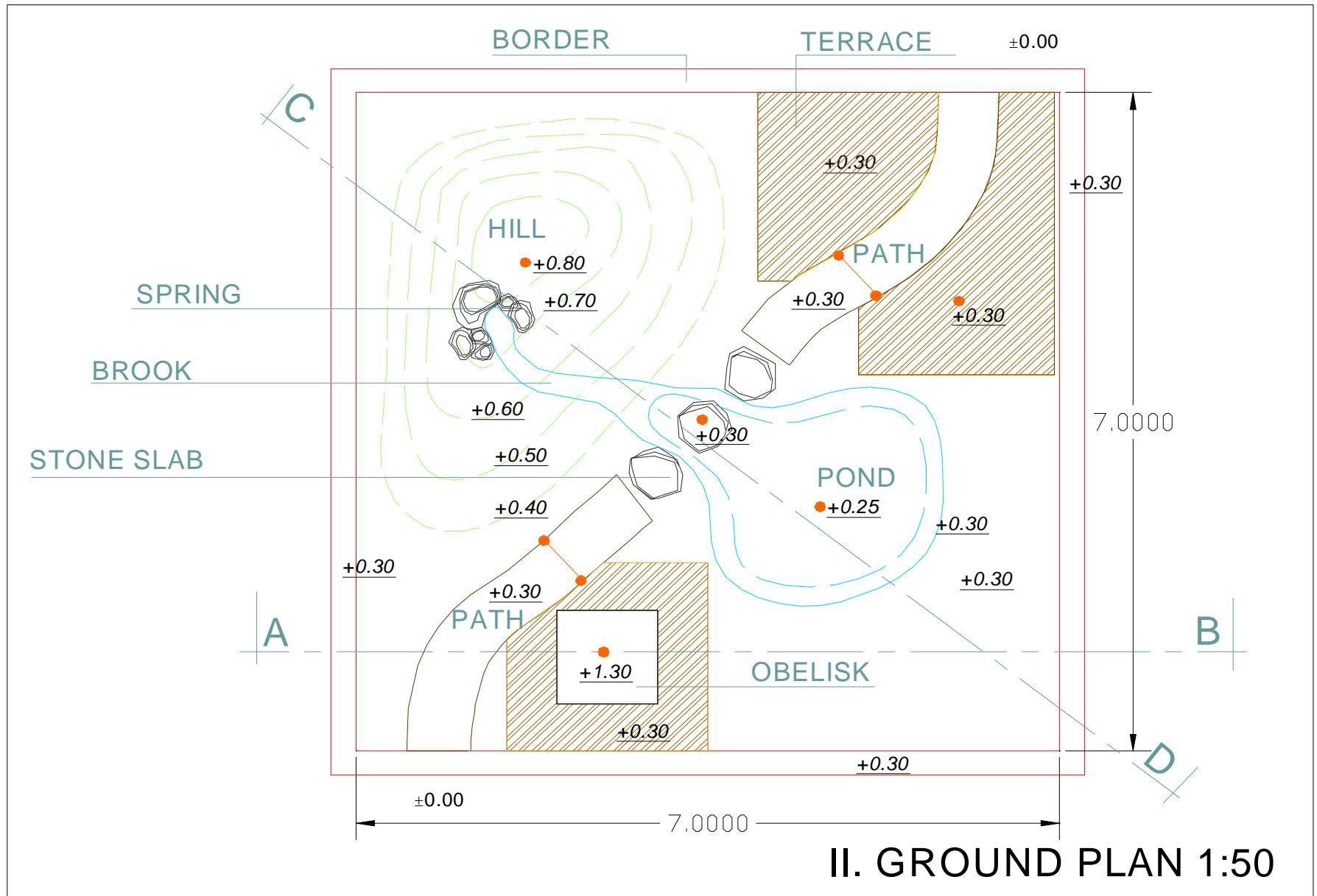
Number of plants for each team

- 1 LAGERSTROEMIA INDICA
- 60 CHRYSANTHEMUM
- 10 ADIANTUM
- 10 HELODEA
- 100 OPHIOPOGON JAPONICUS
- 5 PUNICA GRANATUM
- 5 HYBISCUS
- 44 BUXUS SEMPERVIRENS

PLANTING-PLAN 1:50

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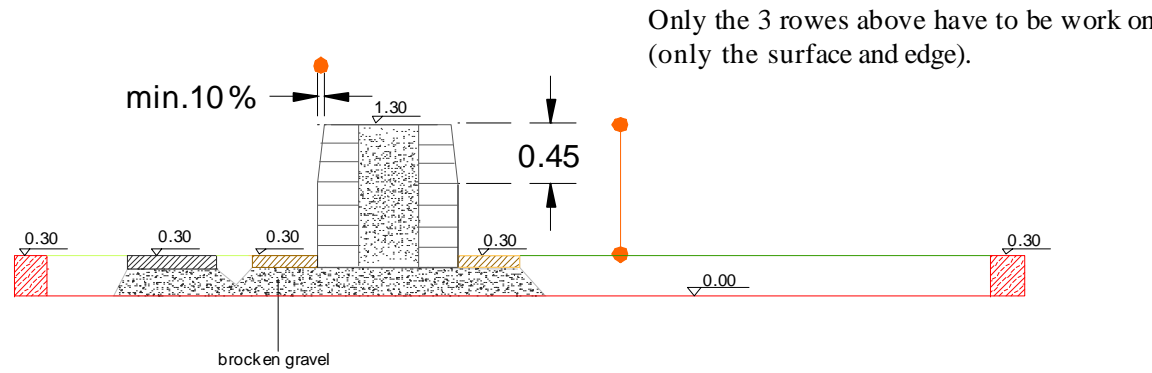
Test Project
Landscape Gardening
April 23 to 25, 2008



II. GROUND PLAN 1:50

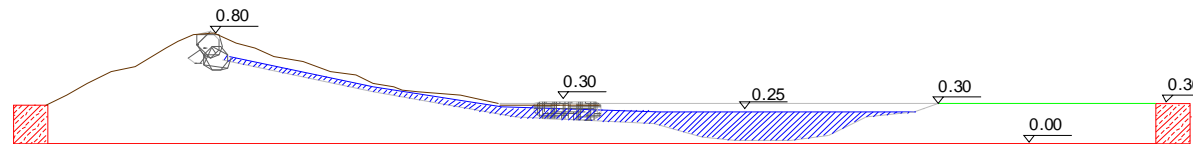
WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

Test Project



SECTION A-B 1:50

The bottom of the little river and the bottom of the pound
have to be overcast by little white pebbles.



SECTION C-D 1:50

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Test Project Landscape Gardening April 23 to 25, 2008

This project is designed to test over a period of 12 hours the range of skills that a landscaper uses in the design and construction of a garden.

There are three (3) tasks in the competition that will test a number of skill areas.

1. Laying of design

Skill area tested:

- a. measuring – area/ perimeter / volume
- b. Pegging out
- c. Designing

2. Planting

Skill area tested:

- a. Making holes
- b. Sizing and balancing plants
- c. Planting shrubs and grass plugs

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Test Project Landscape Gardening April 23 to 25, 2008

3. Laying the Gravel
 - a. Levelling
 - b. Teamwork

PROCEDURE FOR PROJECT

1. Measure out perimeter area.
2. Measure and work off area for gravel (walk way).
3. Identify area for flowers and shrubs.
4. Mark off area for planting grass plugs.
5. Plant shrubs and flowers (ensure balance).
6. Plant grass plugs.
7. Lay gravel ensuring evenness throughout.
8. Clean up work area
 - Measure area and peg accordingly. (10 feet wide and 10 feet long)
 - Divide area and work for design
 - Dig holes and plant palms and other large shrubs.

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Test Project Landscape Gardening April 23 to 25, 2008

- Prepare area for grass plugs and layout plugs as specified by industry standards.
- Carry out ----- planting needs
- Dress area

EQUIPMENT LISTING

- 1 wheel barrow
- 1 spirit level
- 2 shovels
- 2 forks
- 2 hand shovels
- 1 mattock/pick axe
- 2 garden fork

- 2 garden rake

- 2 machete

- 1 hoe

- 1 shovel

- 1 spade

- 2 hammers (1 for brick laying; 1 for pegging)

- 2 watering can

- 1 hand shovel

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Test Project Landscape Gardening April 23 to 25, 2008

- 1 hand fork
- 1 secateur

Landscape Gardening

Material Listing (this is per group)

Number	Item	Quantity
01	Bricks (6in x 6in)	600
02	Building blocks (4 in)	150
03	Cement	20 bags
04	Sand	20 yds
05	Pond liner	1
06	Top soil	64yds
07	Flat stones	10
08	Gravel (white) ½	20 yds
09	Plants <ul style="list-style-type: none">• Crown of Thorns• Chrysanthemum• Buxus• Punica gronatum• Inpatients• Ophiopogon• Mini Ixora	10 36 20 1 12 12 10

WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

Test Project
Landscape Gardening
April 23 to 25, 2008

OBJECTIVE MARKING

FORM 5

WORLD SKILLS JAMAICA 2008

Skill Area: Landscaping

Competitor # _____

Criterion #	Aspect of Criterion Description	Mark allotted for objective marking	Total Mark received for objective Marking	Total Mark received for Subjective Marking	Overall Mark Awarded
1	The specifications are adhered to	10			
2	The candidate has all the items required to complete the task	5			
3	Items are laid out in an orderly manner	5			
4	Candidate is ready on time to begin the project	10			

WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

Test Project Landscape Gardening April 23 to 25, 2008

5	Candidate utilize material effectively for the project	20			
6	Reusable material is not discarded	10			
7	The candidate work area Is clean throughout the activity	10			
8	Work area and tools are cleaned up after use	5			
9	All waste is disposed of	5			
10	Product is completed	20			
	TOTAL				

Total Mark awarded _____

SIGNATURES

Judge 1	Judge 2	Judge 3	Judge 4

WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

**Test Project
Landscape Gardening
April 23 to 25, 2008**

CHIEF JUDGE
<i>Date</i>

CIS scoring

All competitors will be scored using the Computer Information System (CIS) – (400 to 600 possible points)

500 – Medallion of excellence

Top three scores will receive gold, then silver, then bronze

WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

Test Project
Landscape Gardening
April 23 to 25, 2008

SUBJECTIVE MARKING

FORM 5A

WORLD SKILLS JAMAICA 2008

Skill Area: Landscaping

Competitor # _____

Criterion #	Aspect of Criterion - Description	Judge score (Out of 10)					Mark Awarded
		1	2	3	4	5	
1	Preparation						
2	Selection of Tools						
3	Use of Tools						
4	Job Knowledge						
5	Material Usage						
6	House Keeping						
7	Safety						

WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

Test Project Landscape Gardening April 23 to 25, 2008

8	Presentation							
9	Creativity							
10	Originality							

Formula for Subjective Marking total score:

Exclude the highest and the lowest score and find the average of the remaining three.

Total Mark awarded _____

SIGNATURES

Judge 1	Judge 2	Judge 3	Judge 4

CHIEF JUDGE
<i>Date</i>

Score for subjective marking should be entered on form 5 for total score.

WORLD SKILLS JAMAICA NATIONAL SKILLS COMPETITION

**Test Project
Landscape Gardening
April 23 to 25, 2008**