

Landscape & Nursery Career Development Event
Problem Solving Exercise #7 Grading & Drainage
Time Allowed: 60 minutes

You have been provided a wooden frame that is partially filled with sand. Add or remove sand as necessary to create contours to match the details. Take note of the front of the box. You will be provided a working copy of the plan and all of your measurements can be written down on the working copy. A long straight edge is provided for you. You will need to provide your own architects / engineers' scale and tape measure. Please remember that this is also a drainage assessment. All areas of the box must drain to the catch basin you have installed.

Study Reference: Instrument, Grading and Drainage in the Landscape Training Manual for Installation Technicians.

Procedure:

1. Using sand in the 8ft X 8ft box, grade the sand into a mound that closely resembles the scale drawing.
2. Finish grade to a smooth and even appearance at elevations specified on drawing.
3. Place catch basin correctly at proper elevation.
4. Finished project must drain all areas to catch basin.