

Practice Problem – Section E

PROBLEM STATEMENT:

Evaluate the property for the best location for a hike-in lodge pad for future building and related water quality pond.

CONTEXT:

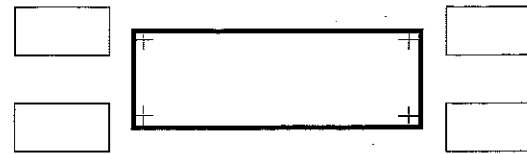
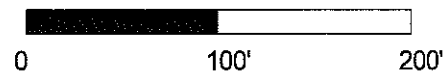
- Loon Lake is the water supply for the local community and local ordinances prohibit development within it's watershed.

REQUIRED:

- Locate a 150' x 50' building pad for development using the graphic provided. Indicate spot elevations to the nearest foot at the four corners of the pad in the boxes provided to provide a 2% cross-slope (spot elevation must be indicated on the solution and not in the boxes shown under Project Elements).
- Locate a trail from the existing trail head to the proposed building pad using the graphic provided. The proposed trail grades shall not exceed a 5% longitudinal slope. It is not necessary to indicate grades on the trail.
- Locate a water quality pond to collect all surface runoff from the proposed building development site using the graphic provided. Indicate the high water elevation of the pond to the nearest foot in the box provided (spot elevation must be indicated on the solution and not in the box shown under Project Elements). Minimize impact to the site.
- Show and label all proposed 2' contours for the building pad and water quality pond and meet existing contours.

PROJECT ELEMENTS

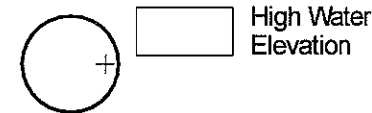
Scale: 1" = 100'



Pad for Future Building



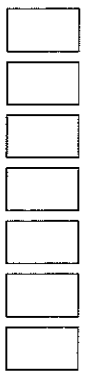
Trail



Water Quality Pond

E-5

April 2011

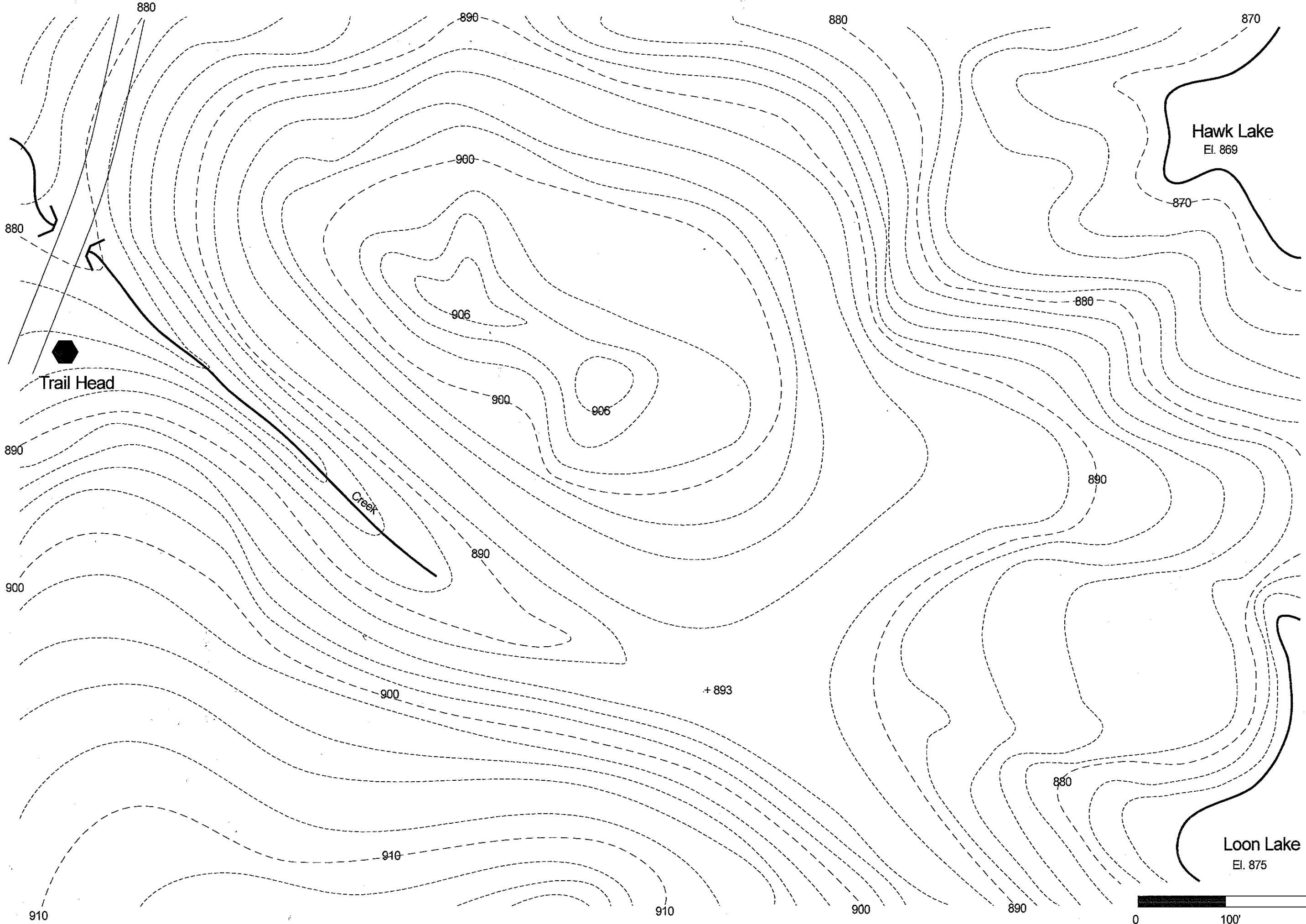


Candidate I.D.

Landscaping Architect Registration Examination

Grading, Drainage and Stormwater Management

Council of Landscaping Architectural Registration Boards



E-5

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Landscape Architect Registration Examination

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North

Scale: 1"=100'

