Practice Problem – Section C

PROBLEM STATEMENT:
Prepare a site plan for a regional park and write a brief summary of the predicted impacts of locating these uses on this site.

CONTEXT:
- Sycamore Avenue is a 4-lane road with a 45 MPH speed limit.
- The park will be open from 10:00 a.m. until 10:00 p.m.
- Stream may be crossed by pedestrian circulation but may not otherwise be disturbed.

REQUIRED:
- Prepare a plan that addresses the site opportunities and constraints.
- Show and label all project elements using the graphics provided. Maintain the size and shape provided for each project element. NO project elements may be subdivided.
- Parking - Serves building and amphitheater.
- Building - Building that facilitates activities and park offices.
- Baseball Diamond - Diamond is lit and used for league play for both day and night use. Locate to optimize orientation.
- Amphitheater - Used for evening music events.
- Soccer field - Locate to optimize orientation.
- Provide vehicular access to the parking area using the graphic provided.
- Minimize the environmental impact and cost of development.
- In the space provided, write a brief summary of the predicted impacts of locating the elements on this site. Do not describe the design intent or location of the elements. Describe the specific impact this use will have on both on-site and off-site conditions. Your summary must include at least one example of each of the following:
  - Environmental impact
  - Relationship to external land uses

PROJECT ELEMENTS
Scale: 1" = 100' [1:1000]

Building
(Activity rooms/park offices)

Parking with Lights

Baseball Field with Lights

Soccer Field

Amphitheater Plan

Amphitheater Section

Stage

Vehicular Access

Stage 15'
Summary of Predicted Impacts:

- **Wetland**: Located near the center of the site. The wetland's impact on the surrounding areas needs to be assessed for proper design.

- **Stream**: The stream runs through the site, affecting the drainage and accessibility. The design should consider the stream's natural flow patterns.

- **Property Line**: The property line is marked clearly to ensure that the development does not encroach on neighboring properties.

- **Existing Deciduous Trees (typ.)**: A variety of deciduous trees are present, which will provide shade and enhance the aesthetic appeal of the site. Their impact on the site's microclimate should be considered.

- **Conifer Trees (typ.)**: Coniferous trees are also present, which will contribute to the site's visual appeal and biological diversity.

- **Cottonwood Drive** and **Sycamore Avenue**: These streets provide access to the site, and their impact on traffic flow and noise pollution should be considered.

- **Light Industrial** and **Single Family Residential** areas are present, affecting the site's zoning and land use.

- **Multifamily Residential** and **Senior Housing** areas are proposed, requiring careful planning to ensure compatibility with the neighborhood.

- **Public Library** and **Hospital**: These facilities may have significant impacts on the site's design, influencing accessibility and parking arrangements.

- **North**: The site is oriented towards the north, which will affect the solar access and potential shading of the buildings.

- **Scale**: The scale is provided as 1"=100', allowing for detailed planning and design.

- **Candidate I.D.**: The candidate's identification number is included for administrative purposes.

- **March 2010**: The date indicates the time of submission or evaluation of the site design.