Field Session Two Tasks

Mission: You have been contracted by the city to conduct a natural and cultural resource inventory for Central Park. The Parks and Recreation Department is planning to hold a weekly summer concert series at Central Park. Before the plans can be finalized, a variety of resource inventories within the park need to be conducted. The following mapping and data collection guidelines should be adhered to. Please check off tasks following completion.

I. Preparation

__ 1. Create the **central park.pmp** job in your CMT app and associate it with parks.fbr.

__ 2. Select the coordinate system for displaying the data.
(You may use the WGS84 datum and the LLA coordinate system.)

__ 3. Check the power level of your data collection device.
If using an external GPS device, make sure it has sufficient power.

II. Fieldwork: Collect the following Features

__ 1. Map the following Area Features:

A. Seating Area - Map one seating area for concerts.
(Use Dynamic mode.)

Inventory: Zone and Capacity

B. Parking Area - Map one of the parking areas in the park in Dynamic mode.
Inventory: Number of Spaces

C. Map one parking area in Static mode.
Inventory: Number of Spaces

__ 2. Map the following Line Features:

A. Sidewalk - Map all interior sidewalks in the study area.

Inventory: Condition, Surface Type and Path Width

B. Map one additional Line Feature of your choosing.
Create a new Feature Topic on the fly.

__ 3. Map the following Point Features.

A. Street Lamps - Map the location of available lampposts.

Inventory: Number of bulbs out.

B. Trees - Map the location of a few trees that you have not mapped previously.

Inventory: Species, Age and Height.

C. Picnic Tables - Map the location of all picnic tables.

Inventory: Condition.

D. Fountain - Store one drinking fountain in a roofed area as an Offset Point
(Estimate azimuth and distance.)

Inventory: Works or not?

III. Spatial Data and Attribute Editing

__ 1. Join Static corner points along the block perimeter and create an area.

__ 2. Rearrange the Topic layers so Points, Lines and small Areas are above larger Area Topics.

__ 3. Mark Seating Area with a diagonal hatch pattern.
Color the parking areas gray.

__ 4. Use Auto Label to label the Tree Features based on Species.

__ 5. Measure the distance between two street lamps.

IV. Transfer the finished mapping job file to your PC.

__ 1. Combine your two GPS jobs by copying all the Features from mypark.pmp to central park.pmp. Save the central park.pmp job.

__ 2. Use Auto Label in the PC software to delete the labels for the Tree Topic. Relabel the trees based on species.

__ 3. To the Parking Area Topic add the built-in Attribute Area_Acres or Area_Ha. Auto-label the parking areas with their sizes.

__ 4. On the Lamppost Topic layer, add a street lamp post by hand. Color it red to indicate that this is the new lamp post you suggest to install.

__ 5. After watching Video 24, output your combined job map to a PDF file, complete with the north indicator, the scale bar and a key to the Topic layers.