Practice Problem – Section C

PROBLEM STATEMENT:
Evaluate the two proposed design concepts for a car wash. Select the preferred concept and prepare a detailed site plan.

CONTEXT:
- Car wash is a full-service center, where cars enter the single-bay facility and exit after all services are performed.
- Cars then exit the site after cleaning.
- Bubble Boulevard is a 3-lane roadway with a center turn lane.
- Car wash facility has a shop that sells car-related items.

REQUIRED:
- Evaluate the two design concepts based on vehicular safety, site characteristics and functional relationships.
- Select the better concept for refinement by indicating your selected concept in the box provided.
- Prepare a detailed site plan at the scale provided on the page below. Your solution must represent your selected concept. You must apply the code requirements found in the L.A.R.E. Reference Manual.
- Provide 20 parking spaces on the site by using the graphic convention provided.

Not to Scale

- Locate the car wash using the graphic provided.
- Provide detailed vehicular circulation entering and exiting the car wash and provide detailed vehicular circulation to the parking area.
- Indicate direction of vehicular circulation with arrows.
- Provide a pedestrian connection from the parking, entering and exiting the shop.

Scale: 1" = 40'

0 40' 80'