

All urban area projects include landscaping in the medians and other designated areas within the project limits. The landscaping design is normally undertaken by the Agriculture Section. However, the Consultant's design, shall ensure the following are provided as part of the project, if so required:

- Irrigation Service
- Sidewalks
- Walls
- Fences

Water for irrigation is reclaimed water from the sewage treatment plant, therefore all large distribution lines require design input from, as well as approval by, the Sanitary Drainage Network Section.

The Agriculture Section will assume responsibility for plantings and other special features.

Maintenance and operation of the irrigation systems are the responsibility of the Agricultural Section.

202.03.02 Topography

Topographic data is important to the development of the Design Concept. Roadway profiles, horizontal alignment, and drainage, are directly affected by topography, which, in turn, affect the project cost. As discussed in Section 201.04, Mapping, the Consultant is expected to review existing maps. In addition, new surveys shall be required to establish the topography for the project.

202.03.03 Water

The Consultant shall identify and determine the importance of all freshwater and saltwater features within the study area. Aquifers and wells, especially those that supply drinking water, shall also be identified within project limits. In developing the design, the Consultant shall avoid impacts to water resources to the greatest extent possible. If avoidance is not an option, the Consultant shall develop a design that minimizes impact to water resources.

202.03.04 Wildlife

The Consultant shall describe any existing wildlife habitat within the project study area. The Consultant is responsible for identifying the types of wildlife species, if any, that are likely to utilize the habitat. The Consultant's design shall avoid, where possible, those habitat areas that support rare, threatened or endangered wildlife species.

202.03.05 Air Quality

The Consultant shall assess a project's affect on existing air quality to determine whether or not it will result in significant deterioration due to increased air emissions.

202.03.06 Noise

The Consultant shall assess a proposed project's affect on ambient noise levels to determine whether or not it will result in a significant deterioration from the existing condition. Noise sensitive receptors, such as Mosques, schools and residential dwellings, shall be identified within the project limits. The Consultant shall strive to develop a design that will have the least increase in noise levels to these receptors.

202.03.07 Visual/Aesthetic

The Consultant shall assess the existing visual and aesthetic appearance of the project study area. In developing the design, the Consultant should consider the effect that the project will have on the visual and aesthetic environment upon build-out. Views from the project of the surrounding environment as well as views of the project from adjacent vantage points shall be considered. The objective of the design is to develop a project that compliments rather than contrasts the existing visual and aesthetic character of the area.

202.03.08 Hazardous Materials

The Consultant shall conduct a survey to identify the actual presence of or likelihood of hazardous material sites within the project study area. Ideally, the project design should be developed to avoid impacting such hazardous sites. This will reduce the health and safety risk and overall