

The Consultant is responsible for providing base mapping for design concept development. Specific requirements will be identified in the Consultant's scope of work. Existing aerial and topographic maps may be available and suitable for use in consultation with the Department. The Abu Dhabi Municipality and Town Planning Department maintain a limited library of existing mapping which the Consultant shall review for background information.

Mapping scales and contour intervals generally suitable for the intended purpose are shown in Table 200.01.

201.04.02 Topographic Mapping

Topographic maps for a specific project shall be prepared in accordance with the following:

Survey Control/Field Surveys - The requirements for surveys are included in Section 203.04, Survey Control/Field Survey.

CADD Standards - Mapping features and symbology will be prepared in accordance with the latest CADD Standards, supplemented by the standard symbols shown in Figure 200.01, 200.02 and 200.03.

Primary Control Points - All primary control points for mapping which were established during the initial field survey will be shown on the maps in their proper locations and with the appropriate symbol, identification number and elevation. A tabulation of the primary control points shall also be shown in the original survey notebook. The tabulation will show the identification number, coordinates and elevation of the point.

Supplemental Control Points - All supplemental control points established for controlling aerial photography will be shown on the maps. These include wing points, analytically bridged points, and aerial photo centers. See Figure 200.01.

Planimetric Features - Natural and manmade features, spot elevations, topographic features and relevant political subdivision lines shall be plotted on the maps as shown in Figure 200.02 and Figure 200.03.

Coordinate Grid - Coordinate grid ticks shall be shown on the maps at intervals to suit drawing.

North Arrow - A north arrow shall be placed on each map sheet. The north arrow shall be oriented so that north points to the top or to the right of the map sheet. Match lines shall also be labeled so that each sheet may be joined accurately to adjacent sheets.

Map Index - A sheet index diagram shall be prepared for each mapping project. This diagram shall show the position and relationship of each sheet to adjacent sheets. A title block is also required and shall be placed on each sheet.

Table 200.01
Map Scales and Contour Intervals for Highway Development

<i>Purpose</i>	<i>Scales</i>	<i>Interval (m)</i>
Route Location Studies:		
Mountainous	1:5000 Max.	5
Rolling to Flat	1:5000	2
Preliminary Design (DCR):		
Rural	1:1250	2
Urban	1:1250	2
Rural Design:	1:1250	0.5
Urban Design:	1:500	0.5
Detailed Site Design:	1:100	0.5
	1:250	0.5

201.05 PROJECT LIMITS

The Abu Dhabi Municipality will determine the limits of the project. Typically, the limits include the roadway/bridge, medians, sidewalk, parkways, and roadside improvements that enhance the appearance, maintainability and safety characteristics of the project. The project limits may also be determined by phased implementation considerations.