

Mechanical Drawing: Board & CAD Techniques

Chapter 19 Map Drafting

Chapter Summaries

Section 19.1 Types of Maps

- A cartographer gathers information needed to graphically represent facts about the Earth and other bodies in the solar system. Cartography-related career opportunities include surveying, participating in research and development projects, and drafting.
- The civil engineer's scale is used for map drawings. The exact scale depends on a map's intended use.
- Plats, operations, contour, and topographic maps and block diagrams are a few geographical maps used today. Geological maps include surface, section, and subsurface maps.

Section 19.2 Creating Contour Maps and Plats

- Mapmaking can still be performed using board-drafting techniques, but CAD techniques are used most commonly to make maps.
- By using the CAD layers function, cartographers can create a single map drawing and use it for more than one purpose, depending on the needs of various contractors.
- CAD programs combined with third-party mapping software are used to create computer-generated maps.