

## CHAPTER ONE

## GENERAL PLAN INFORMATION

LETTERING ON PLANS

1-1

The importance of lettering on plans cannot be emphasized enough. Plans are the media through which the designer communicates his design to the builders. The designer's mission is to be as clear and consistent as possible in communicating construction information on the plans.

Since plans have to be reproduced many times, it is of utmost importance to show lettering on the plans that is not too small, it will not be legible when reduced. Extreme caution shall be taken to refrain from printing over other information that is on the plans. When plans are printed for letting, they are reduced to fifty percent of their original size. Unless acceptable drafting techniques are practiced, the plans will not be legible.

SCALE ON PLANS

1-2

It is suggested that the following scales be used for plotting plan sheets:

1" = 20' & 1" = 50'	On urban type projects and locations where existing topo is congested.
1" = 100'	On new location or in areas with very little topo.
1" = 50'	Interchange details.

CONVENTIONAL SYMBOLS

1-3

All Symbols, Line Styles and Text should be taken from the NCMAP menu. Attributes and comments for use with different scales is discussed in this manual.

STANDARD SHEETS FOR PLAN PREPARATION

1-4

Standard sheets to be utilized in plan preparation are available from CADD. Strict adherence to their use is necessary to maintain conformity in the Roadway Design Unit, Project Services Unit and other units. When deviation from the use of standard sheets is necessary, the Project Engineer shall discuss his proposal with the State Contract Officer.

The standard Highway Design Branch plan sheets are 34 inches wide and 22 inches high. The border lines shall be 3.5 inches from the left edge, 1/2 inch from the right edge and 1/2 inch from the top and bottom edges, making an area 30.0 inches wide by 21 inches high.

All half-size drawings will be reproduced on 11" x 17" paper beginning in July 1996. The information shown should not run over an area 30.0 inches wide by 21 inches high so half size plans can be reproduced on 11" x 17" paper.