

MONTANA STOCKWATER PIPELINE MANUAL

January 1, 1992

USDA Soil Conservation Service
Bozeman, Montana

December, 1992

Revised for use in Nebraska

PREFACE

The MONTANA LIVESTOCK PIPELINE MANUAL is recognized as a well conceived, well written document which can be very useful to Soil Conservation personnel in Nebraska.

A handbook of this type has been needed for quite some time, and the Montana manual will fill many of our needs. Used properly, it will give guidance to Field Office staff and Area Engineers who do the hands-on survey, design, and construction approval of livestock pipelines.

As stated on page 1-1, this manual is only a guide. It does not contain Montana policy nor does it contain Nebraska policy. The actual requirements and criteria for livestock pipelines are contained in the National Conservation Planning Manual (NCPM) and in Section IV of the Field Office Tech Guide (FOTG). This manual is to be used for guidance in the same manner as a PVC Handbook or other commercial references. It is a supplement to ENGINEERING FIELD MANUAL (EFM), CHAPTER 3, HYDRAULICS, and is to be kept in a separate binder adjacent to the EFM.

The user of this manual will encounter numerous references to Montana, physical references as well as reference to forms and other documentation. The task of converting the Montana references to Nebraska references would be mostly a journalistic exercise and would not substantially improve the content of this manual. For that reason it is distributed in its original form except for Chapter 9, Hydraulic Design Procedures; Appendix A, Worksheets; Appendix B, Computer Programs; and Appendix D, Planning and Design Guide. Nebraska notes and supplemental pages have been added where applicable.

Chapter 9, Appendix A and Appendix B, have been removed and will be revised at a later date. They contained many Montana forms and programs which might be confusing in Nebraska. These forms will be replaced by equivalent Nebraska forms when revisions are made. Appendix D has already been re-written for Nebraska.

All other parts of the manual are useable immediately. The user must recognize that there are limitations as it pertains to Nebraska.

From time to time Montana may issue updates to this manual, and Nebraska may issue supplemental pages. Distribution will be made in the same manner as for any other technical changes to the Engineering Field Manual.