

ENGINEERING FOR LAND DRAINAGE

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Engineering for land drainage by Charles G. Elliott

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CHARLES G. ELLIOTT

**ENGINEERING FOR
LAND DRAINAGE**

ENGINEERING FOR LAND DRAINAGE.

*A MANUAL FOR LAYING OUT AND CONSTRUCTING
DRAINS FOR THE IMPROVEMENT
OF AGRICULTURAL LANDS.*

BY

CHARLES G. ELLIOTT, C.E.,

Mem. Am. Soc. C. E.,

Author of "Practical Farm Drainage."

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1909.

PREFACE.

THIS brief treatise on drainage engineering is intended for the use of those who are charged with the responsibility of making plans for and executing drainage improvements. It puts the experience and practice of years into a form which will be available to others who wish to quickly acquire the principles and practice of land drainage.

Much more might be said on some of the subjects, but the busy man of to-day prefers to have the information he seeks in concise form rather than to select what he desires from a more voluminous work.

The hydraulics of drainage cannot be computed with as much accuracy as may be done in some other branches of engineering, owing to the uncertain data available and the variable conditions which must be met. For this reason formulas of less refinement than are thought essential to some other hydraulic work may be used in making drainage computations. Good judgment should always be exercised in applying data to formulas in the class of work treated of in this book. The practical adaptation of accurate and systematic methods in dealing with land drainage questions is regarded by the author as highly essential to the successful prosecution of such work.

Complicated and merely theoretical engineering is to be avoided. Simple and practical methods which are

of general application should be especially sought for and learned. It has been the purpose of the author to emphasize and make clear those points which the student, the busy agriculturist, and the practical engineer should know.

CHARLES G. ELLIOTT.

WASHINGTON, D. C.,
November, 1902.

CONTENTS.

CHAPTER I.

INTRODUCTION.

	PAGE
The Drainage Engineer—The Agriculturist and Soil Drainage.....	I

CHAPTER II.

SOILS.

Origin of Soils—Transported Soils—Alluvial Soils—Sedentary Soils—Organic Matter of the Soil—Kinds of Soils—Each Soil an Individual—Drainage Properties of Soils and Sub-soils—Water of the Soil—Water of the Soil that is Used by Plants—Experimental Investigations—Soil Structure—Capillary Movement of Water—Effect of Fertilizers upon Soil Moisture—Percolation through Frozen Ground—Heaving of Soils—Conservation of Soil Moisture.....	12
--	----

CHAPTER III.

LAND DRAINAGE PRACTICE.

Drainage Practice—Underdrainage—Plane of Saturation—Sources of Water Affecting the Soil—Systems of Tile Drains—Principles to be Used in Locating Drains—Data Required for Locating Drains.....	35
--	----

CHAPTER IV.

LEVELLING AND TOPOGRAPHY.

Levelling—Levelling Instruments—Taking Levels—Drainage Topography—The Preliminary Survey—With Boundary Line as	
--	--

	PAGE
Base—Watercourse as Base—Method by Central Base Line— Record of the Work—Topography by Contour Lines—Practical Hints.....	52

CHAPTER V.

LAYING OUT DRAINS IN THE FIELD.

Staking Out Drains—Designating Drains—Levelling Drains and Keeping the Notes—Notes for Platting—A Common Datum— The Profile—Compass Surveying for Drainage Work—Keeping Compass Notes.....	71
---	----

CHAPTER VI.

FIXING THE GRADE OF DRAINS.

Grade of Drains—Depth of Drains—Frequency of Drains—Prelimi- nary Estimate of Length of Drains.....	85
--	----

CHAPTER VII.

MAPS AND RECORDS.

Drafting Instruments—Platting Compass Notes and Angles— Making the Map—Copying Maps.....	95
---	----

CHAPTER VIII.

GRADING THE DITCHES FOR TILE.

Digging Ditches and Laying the Tile—Difficulties in Constructing Tile Drains—Inspecting Tile Drains—Filling the Ditches— Marking Out Tile-ditches with the Plow—Outlet Protection— The Silt-basin—Digging Tile-ditches with Machines—Contracts for Construction of Tile Drains.....	103
---	-----

CHAPTER IX.

FLOW OF WATER THROUGH PIPES.

Formulas for Flow—Flow of Water through Tile Drains—Applica- tion of the Formula—Examples of the Use of the Formula— Limitations of Size, Grade, and Length of Drain.....	126
---	-----

CONTENTS.

vii

CHAPTER X.

SIZE OF LATERAL DRAINS.

	PAGE
Provisions for Unusual Rainfall—Selection of Tile—Tabulating Tile for Drains.....	144

CHAPTER XI.

OPEN DRAINS.

Grade for Open Ditches—Mean Velocity of Flow—Relation of Breadth and Depth of Channel to Surface and Mean Velocity—Curvature of Ditches—Form and Depth of Ditches—Capacity Required for Open Ditches—Quantity of Water per Acre to be Removed—Formula for Flow in Open Ditches—Waste Banks and Berm—Surveys for Open Ditches—Computing Excavation—Ditching with Steam-dredges—Ditching with Teams—Discharge of Side Ditches into Main—Special Form for Ditches...	150
---	-----

CHAPTER XII.

DRAINAGE OF BARNYARDS, CATTLE-LANKS, ETC.

Drainage of Barnyards—Taking Surface-water into Underdrains—Drainage of Cellars and Residence Grounds—Drainage of Fruit Orchards.....	179
---	-----

CHAPTER XIII.

ROAD DRAINAGE.

Earth Roads—Gravel and Earth Roads—Seepage-water on Roads—Surface Drainage of Hill Roads—Culverts and Cross-drains—Drainage of Paved Roads—Combined Brick and Clay Road.	187
--	-----

CHAPTER XIV.

DRAINAGE DISTRICTS.

Working Plans—Theory of the Classification of Lands—Classification for Assessment Purposes—Classification Map—Computing Assessment Roll—Mutual Cooperative Drainage.....	199
--	-----

CHAPTER XV.

ESTIMATES OF COST.

	PAGE
Schedule for Making Estimates—Total Estimate,—Estimated Profit on the Investment—Cost of Work under Drainage District Organization.....	209

CHAPTER XVI.

Benefits and Profits of Land Drainage.....	216
--	-----