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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

TD/T 1043.2-2013

**Technical regulation on subsurface drainage and desalination
soil. Part 2: Planning design and construction**
(English Translation)

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Foreword

This section drafted in accordance with GB/T 1.1-2009 given rules.

TD/T 1043 "underground pipe improved saline technical regulations" is divided into two parts.

--- Part 1. Soil Survey;

--- Part 2. Planning and Design and Construction.

This section is part 2 of TD/T 1043.

This part is proposed and managed by the Ministry of Land and Resources.

This section mainly drafted by. Land and Resources Ministry of land remediation center, Institute of Geographic Sciences and Natural Resources Research, Shandong Agricultural University School, Dongying City land consolidation center, Shandong Zhongtian land and water ecological development and construction Co., Ltd., Dongying Jinchuan soil and water environmental engineering Co., Ltd., Hebei Land Consolidation Service Center, Jilin Province Land Consolidation Center, Jiangsu Province Land Development and Consolidation Center, Tianjin TEDA Garden Construction Co., Ltd.

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1 Scope

This part of TD/T 1043 specifies the contents, procedures and procedures of engineering,, construction, management and monitoring of underground pipe improvement saline land Engineering standards and technical parameters to determine the method.

This section applies to the northern part of our country saline soil or salinized soil to improve saline soil for the purpose of planning and design, construction and acceptance Work, but also adapted to farmland tube drainage project to prevent waterlogging and other stains. In improving soil permeability conditions, this section can guide the alkalization of soil Application of modified alkali tube to improve the use of technology.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Irrigation water quality standards for farmland GB/T 13361-2012 Technical drawings common terminology Plastic single wall corrugated pipe for drainage of agricultural land GB/T 19647-2005 Road engineering drafting standards Flood control standards Design code for irrigation and drainage engineering GB50288-1999 LYJ002-1987 standard for forestry engineering drawing Technical code for farmland drainage engineering Hydraulic and hydropower engineering drafting standards Land development and consolidation engineering mapping standards Land development and consolidation project planning and design specifications

3 Terms and definitions

The following terms and definitions apply to this document.

Saline alkaliland

Soil contains more soluble salt, is not conducive to crop growth in the land.

Soil salinity threshold the highest soil salinity does not significantly affect the normal growth of plants.

Depth of soil improvement to meet the normal growth and development of plant roots
minimum depth of soil improvement.

Groundwater critical depth criticaldepthofgroundwater the minimum groundwater depth
required to prevent soil salinization.