

Irrigation Water Conveyance/ Low Pressure Plastic

PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 430EE



DEFINITION

Irrigation Water Conveyance is a pipeline and appurtenances installed as an integral part of an irrigation system.

PRACTICE INFORMATION

Low pressure underground pipelines are thermoplastic pipelines ranging from 4 inches to 18 inches in diameter that are closed to the atmosphere and subject to internal pressures up to 50 lb/sq. inch. These pipelines may have vents open to the atmosphere, or sealed pressure-relief valves and/or air-and-vacuum-relief valves to properly vent the system.

The purpose of the practice is to reduce erosion, conserve water, and protect water quality. Underground pipelines serve as an integral part of the irrigation water distribution system, and significantly improve the overall efficiency of the system.

This practice requires proper design and installation to function properly.

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.