

● Survey drainage-ditch path, design/control vertical-curve slope



AGPS-Ditch Pro is a Windows-based agricultural drainage, machine-control computer program. Ditch Pro is used to survey existing or intended drainage-ditch paths and automatically design and control a vertical-curve slope of surface ditches utilizing non-brand specific RTK GPS NEMA string outputs and vertical curve algorithms. Vertical-curve-slope design incorporates natural grade breaks, curvature of the earth, and user-defined parameters in ditch design; as a result, less soil is moved to obtain optimal drainage. While in the ditch path, Ditch Pro displays a ditch-profile view including blade elevation, survey, design, and working paths. Away from the ditch path, an overhead view is automatically displayed. A geo-referenced bitmap image can be loaded into the background for the overhead view (i.e. satellite imagery, topographical flow patterns, depressions, etc.). Ditch Pro's machine-control option automatically controls the earth-moving equipment's blade elevation while ditching.

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