



		Ultimate	Canalis PRO	Canalis	Hydra PRO	Hydra	Gasnet PRO
General	Customizable UI (Ribbons, Workspace)	x	x	x	x	x	x
	Customizable configurations and templates	x	x	x	x	x	x
	Customizable catalog with import from MS Excel	x	x	x	x	x	x
	Manholes from prefabricated elements	x	x	x	x	x	x
	Custom user data and calculated data	x	x	x	x	x	x
	Element selections and data input	x	x	x	x	x	x
Digital terrain model	Create DTM from CAD elements, text, blocks, .txt file	x	x	x	x	x	x
	Breaklines, surface styles, multiple surfaces	x	x	x	x	x	x
	Direct use of Civil 3D DTM and 3D Face objects	x	x	x	x	x	x
Plan tools	Network drawing and editing	x	x	x	x	x	x
	Conversion of lines/polylines	x	x	x	x	x	x
	Data capture from texts and block attributes	x	x	x	x	x	x
	House connection drawing and editing	x	x	x	x	x	x
	Labels (nodes, sections, branches, stations, special)	x	x	x	x	x	x
	Manual and automatic label rearrangement	x	x	x	x	x	x
	Styles (2D, 3D)	x	x	x	x	x	x
Long section tools	Long section editor and manager	x	x	x	x	x	x
	Manual pipe invert design and editing	x	x	x	x	x	x
	Automatic pipe invert design	x	x	x	x	x	x
	Multiple pipe networks in one long section	x	x	x	x	x	x
	Long sections with parcel data	x					x
	Long sections preparation for plotting	x	x	x	x	x	x
Analysis tools	Data tables (inspection, validation, editing, export to MS Excel)	x	x	x	x	x	x
	Thematic maps	x	x	x	x	x	x
	Querries	x	x	x	x	x	x
	Pipe clash analysis	x	x	x	x	x	x
Schemas and reports	Reports: manhole, angles, cost estimate, custom	x	x	x	x	x	x
	Manhole schema editor	x	x	x			
	Node schema detailed design	x			x	x	x
Flow and hydraulic calculations	Catchment and influence area design	x	x	x			
	Rain (simple, IDF curves) and waste flow	x	x	x			
	Hydraulic calculation sewage & export to SWMM	x	x	x			
	Network equipment input (valves, pumps, tanks)	x			x	x	
	Water demands scenarios	x			x	x	
	Hydraulic calculation water acc. to EPANET	x			x	x	
	import/export EPANET .inp	x			x	x	
Cross sections and trenches	Basic cross sections with editor and manager	x	x	x	x	x	x
	Standard trenches including benching and formwork	x	x	x	x	x	x
	Excavation calculation report	x	x	x	x	x	x
	Trench borders and 3D trench grading	x	x	x	x	x	x
	Advanced cross sections with terrain	x	x	x	x		
	Parametric trenches for multiple pipe networks	x	x	x	x		
	Calculation of volume difference between two terrains	x	x		x		
Data import/export	Post processing tools (pipes, manholes)	x	x	x	x	x	x
	External data links and document links	x	x		x		x
	Import/export GIS (.shp, .tab, databases)	x	x		x		x
	Import/export LandXML, .txt, Isybau	x	x		x		x
	Import/export Civil 3D gravitational pipe networks	x	x		x		x
	Export to BIM (.ifc, .nwc)	x	x		x		x
Parcel tools	Parcel design and editing	x					x
	Parcel creation from lines/polylines	x					x
	Data capture from texts, block attributes and databases	x					x
	Buffer and overlay analysis	x					x
	Parcel/pipe intersection analysis	x					x
Raster/Vector map tools	Parcel export to lines/blocks	x					x
Gas pipeline design tools	Supported file types .ftw, .jgw, jpeg2000, .ecw and GeoTIFF	x					
	Supported file types .dwg, .dgn, .dwf and .pdf	x					
	Group, draw boundaries, insert	x					
	Attach and filter	x					
	Boreholes data import	x					x
Vacuum-system design tools	Arc calculation rules	x					x
	Horizontal and vertical arcs drawing and editing	x					x
	Arc labels, reports	x					x
	Long sections with borehole and arc data	x					x
	System elements: Aqseptence (Roediger)	x	x	x	x	x	x
Special node types for chambers, inspections, valve, lift	x	x	x	x	x	x	
Long section customization features e.g. Insert lift	x	x	x	x	x	x	

Urbano 9.5 works on AutoCAD / Civil 3D 2015 - 2020

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