Difference in Terminology between MiTS and Civil 3D

General · https://mes100.com/docs/difference-in-terminology-between-mits-and-civil-3d/

During the integration of utility designs between MiTS and Civil 3D, users may encounter discrepancies in the terminology used to describe utility components between the two. To alleviate confusion, a comparison table has been created to align the terms used by both software programs.

Gravity and Pressure Pipe Network

Utility Components Terminology

	Civil 3D	MiTS
Drainage	Pipe Network	Running Network
	Gravity pipes / pipes	Drain / Pipe
	Structures	Node
Water Reticulation	Pressure Networks	Running Pipe
	Pressure Pipes	Pipe
	Fittings/Bends	Node

Appurtenance	Valves/Hydrants	
Sewerage	Pipe Network	Running Network
	Gravity pipes / pipes	Pipe
	Structures	Node

Utility Properties Terminology

	Civil 3D	MiTS
Drainage & Sewerage	Start Structure	From Node
	End Structure	To Node
	Start Invert Elevation	From Node IL
	End Invert Elevation	To Node IL
	Pipe Start/End Easting	Start/End Node X-coordinate
	Pipe Start/End Northing	Start/End Node Y-coordinate
Water Reticulation	Start Part	From Node
	End Part	To Node
	Start Invert Elevation	From Node IL

End Invert Elevation	To Node IL
Pipe Start/End Easting	Start/End Node X-coordinate
Pipe Start/End Northing	Start/End Node Y-coordinate

Road Model

	Civil 3D	MiTS
Horizontal Line Properties	Design Speeds	Design Standard & Design Speed
	Design Criteria	Right-Hand SIde Properties Tab (when Horizontal Line is activated)
Horizontal Curve Properties	Alignment Layout Tools: Sub-entity editor	Curve Spread Input
Assemblies	Assemblies	Road Width Offsets
Superelevation	Superelevation Curve Manager (Edit)	Superelevation Spread Input
	View Tabular Editor	Superelevation Report
Prospector Tab > Alignment	Centerline Alignments	Masterstrings
	Offset Alignments	This is used internally in MiTS; The lines representing the offset alignments will not be visible to users

Curb Return Alignments	Juction Radius	
Centerline / Offset / Curb Return Profile	Vertical Alignment	
Centerline / Offset / Curb Return Profile View	Vertical Detailing	
Superelevation Views	Vertical Detailing: Superelevation	
Corridors	An intelligent 3D model that comprises of **2D Assembly (Typical Road Section)** and a **3D Baseline (Alignment and Profile)**, which generates Corridor Surface and volume as an output	The entire collection of objects created and managed in Road Module (Horizontal and Vertical Alignment, Road Width, and Superelevation) that generates 3D road platforms as an output for volume computation
Sample Line Groups	Sample Lines	Cross Section
	Section View Group	Single View Cross Section

Related



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I’m the Benevolent Dictator for Life for MiTS Software cum Editor of this website. Read more here.

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