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# What's New in Devotech iDAS V11

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# **SUPPORTED AUTODESK CIVIL 3D VERSIONS**

Devotech iDAS V11 supports Autodesk Civil 3D 2015-2020.

# **SEWER MANAGER**

For videos related to the Devotech iDAS V11 Sewer Manager, use the link below and watch the videos with the prefix **iDAS 11**:

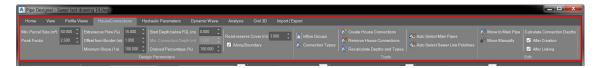
https://www.devotech.co.za/sewer-training

#### **Performance**

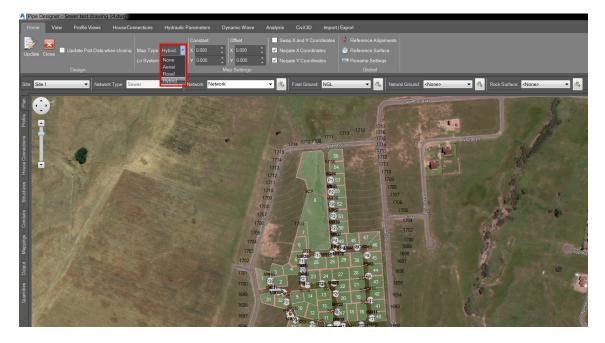
- Better performance (switching between tabs, displaying data)
- Multithreaded support (multiple processor cores are utilised)
- Less RAM usage

#### **User Interface**

Ribbons are used to access the settings and commands:

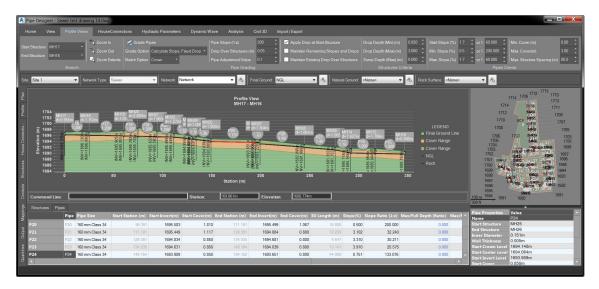


The Plan tab was added to display the network with the Labels and background Map (aerial, road or hybrid):



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The Profile View tab displays a plan view to simplify the navigation:



The User Interface uses a dark colour scheme to minimise eye strain:

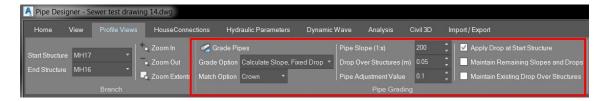


The View tab is used for setting label sizes, as well as managing label visibility:



## **Grading Tools in the Profile View Tab**

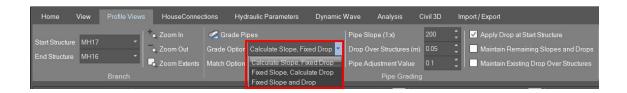
The *Grade Pipes* command allows you to grade the selected section forwards or backwards with the defined parameters such as *Slope, Drop over Structures* and *Apply Drop at Start Structure*:



The *Pipe Slope* as well as *Drop Over Structure* can be a negative value, which is used for rising mains or backward grading.

The Grade Pipes command offers the following Grade Options:

- Calculate Slope, Fixed Drop
- Fixed Slope, Calculate Drop
- Fixed Slope, Fixed Drop



Match Options are used to match pipes with different diameters. The pipes can match at *Invert, Centre* or *Crown*. The Match Option setting will always be used when the *Drop Over Structures* option is applied, either from the *Grade Pipes* command or when using the Keyboard Shortcuts.

#### The following Keyboard Shortcuts can be used for pipe and structure editing:

#### Selections applicable to pipes and structures

Ctrl – hold the Ctrl key to add/remove a single pipe or structure to/from the selection Shift – hold the Shift key to add a range of pipes or structures to the selection (select the start and end object, they must be of the same object type)

Escape – deselects all pipes and structures

Ctrl+A – selects all the pipes/structures shown in the Profile View, depending on what object was selected (either pipe or structure)

Ctrl+B - selects entire branch

#### Pipe(s) editing

Ctrl+1 – moves the start of the selected pipe(s) downwards

Ctrl+7 – moves the start of the selected pipe(s) upwards

Ctrl+2 – moves the selected pipe(s) downwards

Ctrl+8 - moves the selected pipe(s) upwards

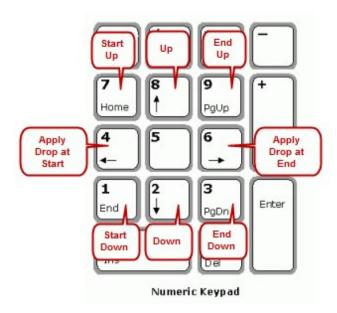
Ctrl+3 – moves the end of the selected pipe(s) downwards

Ctrl+9 – moves the end of the selected pipe(s) upwards

Ctrl+4 – applies drop over the structure at the start of the selected pipe(s), the selected pipe start elevation is used for the calculation

Ctrl+6 – applies drop over the structure at the end of the selected pipe(s), the selected pipe end elevation is used for the calculation

The image below shows the Ctrl Keyboard Shortcuts layout on the numeric keypad:



Alt +1 – moves the start of the selected pipe(s) downwards and applies pipe grading

Alt +7 - moves the start of the selected pipe(s) upwards and applies pipe grading

Alt +3 – moves the end of the selected pipe(s) downwards and applies pipe grading

Alt +9 - moves the end of the selected pipe(s) upwards and applies pipe grading

#### Structure(s) editing

Ctrl+8 – moves the selected structure(s) sump elevation upwards

Ctrl+2 - moves the selected structure(s) sump elevation downwards

#### Undo

Ctrl+Z – Undo (it is only applicable to certain editing commands)

#### **Navigation**

Ctrl+E - Zoom Extents

Pipes and structures can be Locked, which means that their levels are maintained during the calculations.

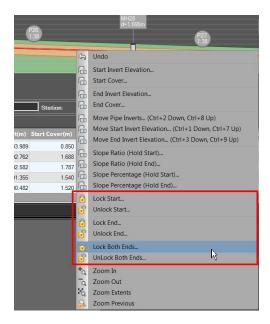
Locked structures can be used to represent the existing manholes, meaning the rim or sump elevations cannot be changed. Pipe grading can create pipes above or below the locked

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structure, if this is the case structure demolition might be considered, or manual pipe adjustment will be needed.

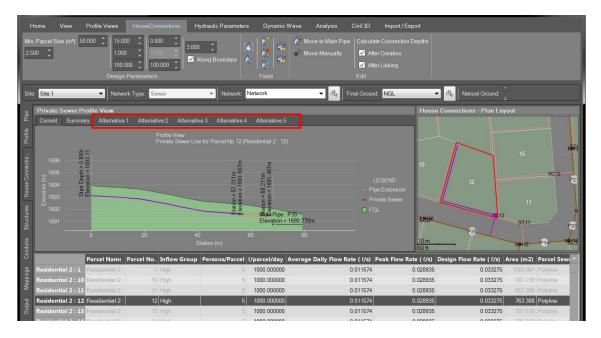
Pipes can be locked at the start, end or at both sides. Locked pipes' elevations are maintained during the calculations, and they are used as start/end elevations for calculations.

Pipes and structures can be Locked from the right click menu or with the Keyboard Shortcut Ctrl+L. To unlock pipes or structures, use the right click menu or keyboard shortcut Ctrl+U (pipes or structures must be selected first):

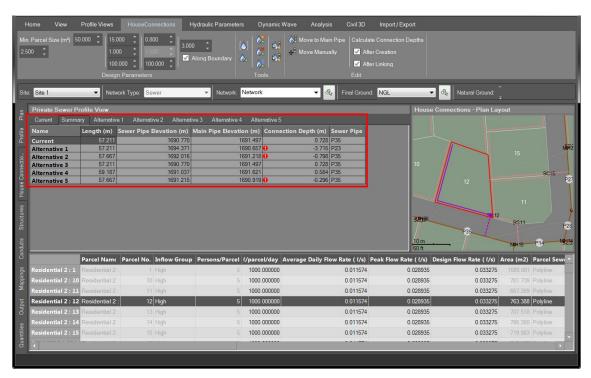


#### **Sewer House Connections**

The Sewer Manager calculates all the possible alternative layouts and offers them as previews. The user can choose the most suitable alternative.

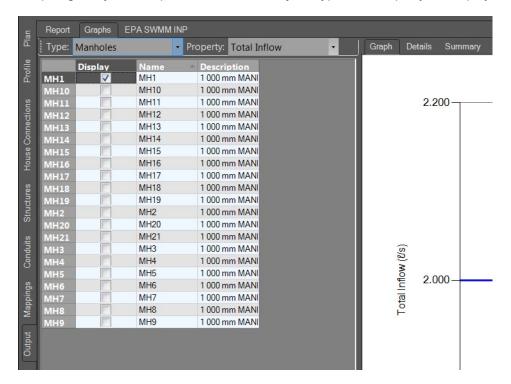


The Summary tab provides details for each alternative:



## **Graphs**

Graphs gives you the option to select the object Type and Property to simplify the navigation:



# **Create Polylines from Pipe Network**

The *Polylines from Pipes* command is available in the Sewer Manager. It creates 3D polylines for each pipe:



# PIPE NETWORK CATALOGUE

## **Pipes**

The following pipes were added to the Pipe Network Catalogue:

#### **Mining Pressure Systems SABS 719**

```
    ➡ Mining Pressure Systems SABS 719 Wall Th. 4.5 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 6.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 8.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 10.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 12.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 14.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 16.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 20.0 mm
    ➡ Mining Pressure Systems SABS 719 Wall Th. 22.0 mm
```

#### **Aquaflow HDPE**

```
⊕ → Aquaflow HDPE PE 63 PN 3.2
⊕ B Aquaflow HDPE PE 63 PN 4
⊕ → Aquaflow HDPE PE 63 PN 8
⊕ → Aquaflow HDPE PE 63 PN 10
⊕ → Aquaflow HDPE PE 63 PN 12.5
⊕ → Aquaflow HDPE PE 63 PN 16
⊕ → Aquaflow HDPE PE 80 PN 3.2
⊕ B Aquaflow HDPE PE 80 PN 4
⊕ → Aquaflow HDPE PE 80 PN 6.3
⊕ → Aquaflow HDPE PE 80 PN 8
⊕ → Aquaflow HDPE PE 80 PN 10
⊕ → Aquaflow HDPE PE 80 PN 12.5
⊕ → Aquaflow HDPE PE 80 PN 16
⊕ → Aquaflow HDPE PE 100 PN 5
⊕ → Aquaflow HDPE PE 100 PN 4
⊕ → Aquaflow HDPE PE 100 PN 8
⊕ → Aquaflow HDPE PE 100 PN 10
⊕ → Aquaflow HDPE PE 100 PN 12.5
⊕ → Aquaflow HDPE PE 100 PN 16
⊕ → Aquaflow HDPE PE 100 PN 20 (Update 1)
⊕ → Aquaflow HDPE PE 100 PN 25
```

#### Armco MP200 KB

⊕ Armco MP200 KB

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#### **Jidal Saw Ductile Iron**



#### **Robor Longitudinally Welded SANS 62**

```
Robor Longitudinally Welded SANS 62 Class Medium

Robor Longitudinally Welded SANS 62 Class Heavy
```

#### **SANS 62**

⇒ SANS 62 Wall Thickness Medium⇒ SANS 62 Wall Thickness Heavy

#### **SANS 719**

```
SANS 719 Steel Pipe Wall Thickness 4.5 mm
SANS 719 Steel Pipe Wall Thickness 5 mm
SANS 719 Steel Pipe Wall Thickness 6 mm
SANS 719 Steel Pipe Wall Thickness 8 mm
SANS 719 Steel Pipe Wall Thickness 10 mm
SANS 719 Steel Pipe Wall Thickness 12 mm
```

#### **SPS HDPE**

#### **Enviropipes HDPE**

⊕ Enviropipes HDPE (PE 100) Corrugated

#### **Humes Flush Joint Pipes**

**Note**: Some pipe types were not imported into the parts list as they are not applicable to the South African market.

#### **Structures**

The following structures were added to the Pipe Network Catalogue:

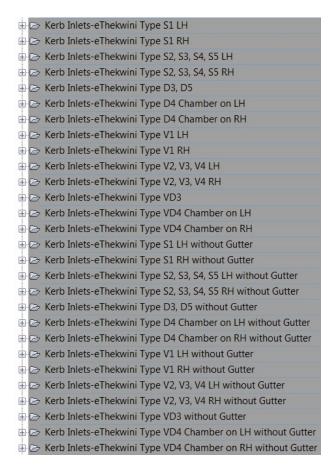
#### eThekwini manholes

→ Manhole-eThekwini Type A with Traffic Load

→ Manhole-eThekwini Type A without Traffic Load

→ Manhole-eThekwini Type B

#### eThekwini Kerb Inlets:



See the video below for details on how to use eThekwini structures: <a href="https://www.devotech.co.za/storm-water-training?wix-vod-video-id=fd0bd8416239430f8fbe4c4fa257b4d5&wix-vod-comp-id=comp-jck4lbf2#">https://www.devotech.co.za/storm-water-training?wix-vod-video-id=fd0bd8416239430f8fbe4c4fa257b4d5&wix-vod-comp-id=comp-jck4lbf2#</a>

#### **Culvert Inlets Outlets and Dummy**

#### Rodding Eye

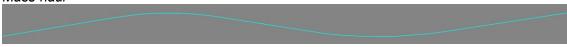
# **RSA CIVIL 3D TEMPLATE**

# **Mass-haul Styles**

New styles were created for mass-haul diagrams:

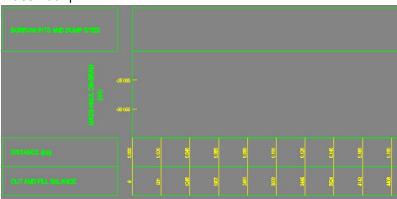
#### **Profile**

Mass-haul



#### Profile view and band set

Mass-haul | m



#### Profile view labels

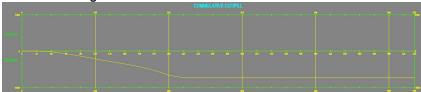
Mass-haul | Material Description

MATERIAL FROM:

Mass-haul | Borrow Pit or Dump Site | Details

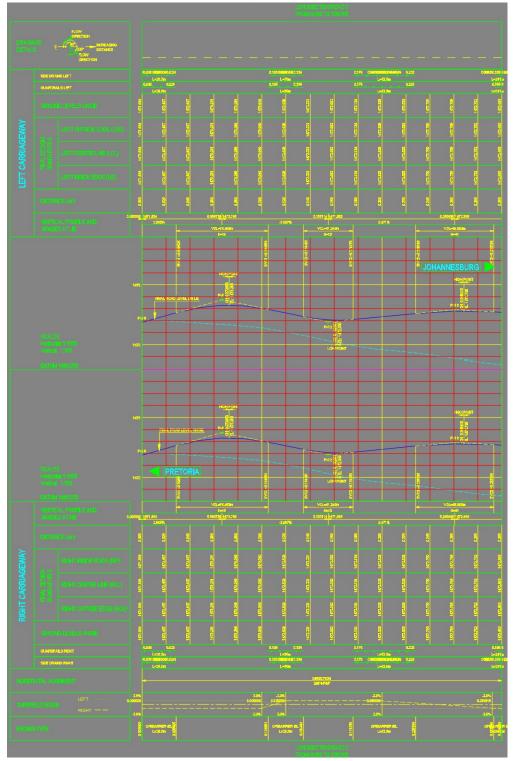


Mass-haul Diagram



# **Dual Road Dynamic Profile View and Band Set**

Road | Dual | Band Set 7 Bottom | km and Road | Dual | Band Set 7 Top | km (use the profile labels Band Set | Dual Road | Band Set 7 Bottom and Band Set | Dual Road | Band Set 7 Top for Vertical Profile and Grade Values. Direction arrows, legend and road section schema are part of the band set)



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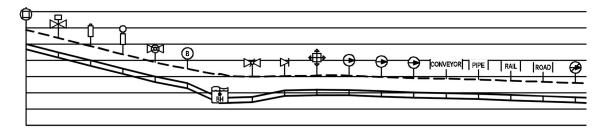
# Water Structure Styles for Plan and Profile

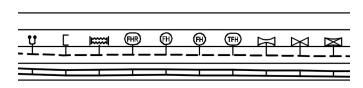
WATER STRUCTURES	LEGI	END	WATER STRUCTURE	S LEG	END
NAME	PLAN	PROFILE VIEW	NAME	PLAN	PROFILE VIEW
ACCESS MANHOLE	0	<b>P</b>	EXPANSION JOIN	T I	
ACTUATING VALVE	丛	界	FIRE HOSE REI	L FIR	<b>(FIR</b> )
AIR VALVE	ģ	P	FIRE HYDRAN	T 🖭	FH)
AIR VALVE WITH 600 mm MH	Ŝ	ĝ	FIRE HYDRANT-TW	N TFH	<b>=</b>
BALL VALVE	<b>∞</b>	DØ1	FLOW CONTROL VALV		M
BEND	₿	B	GATE VALV	E 🖂	M
BOREHOLE			GENERAL PURPOSE VALV	<b>E</b> 🖾	鬥
BUTTERFLY VALVE	b≠1	₩.	GLOBE VALV	<b>E</b> ▷•◁	D <b>≠</b> 4
CHECK VALVE	N	P	HORIZONTAL AND VERTICAL BEN	D (W)	₩
COMBINED THRUST BLOCK	₩	•	HORIZONTAL BEN	Э	(H)
CONNECT TO EXISTING	<b>⊕</b>	9	HORIZONTAL THRUST BLOC	κ ⊕	7
CONNECT TO EXISTING PIPE	<b>⊕</b>	<del>•</del>	INLINE SLUICE VALV		M
CONNECT TO EXISTING SYSTEM	<b>⊕</b>	9	INLINE SLUICE VALVE WITH DOUBLE SCOUR	\$ × †	
CROSSING CONVEYOR	CONVEYOR	conveyor  	ISOLATING VALV		Ÿ
CROSSING PIPE	PIPE	PIPE	JUNCTIC	N O	٠
CROSSING RAIL	RAIL	RAIL	MAGNETIC FLOW METE	R M	
CROSSING ROAD	RGAD	ROAD	METE	R M	<b>®</b>
DISCONNECT EXISTING PIPE	€	9	NON RETURN VALV	E N	7
DOUBLE HOUSE CONNECTION	¢.	Ÿ	NON RETURN VALVE WITH DOUBLE SCOUP	\$   D	₩ N
END CAP	С	F	NONE STRUCTUR		

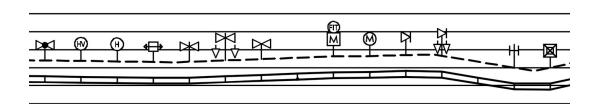
WATER STRUCTURES LEGEND				
NAME	PLAN	PROFILE VIEW		
PIPE CONNECTION	Н	#		
PIPE LOCATOR TEST POINT				
PRESSURE BREAKER VALVE				
PRESSURE REDUCING VALVE	K	Ř		
PRESSURE RELIEF VALVE				
PRESSURE SUSTAINING VALVE	Š	Ŷ		
PUMP	Q	7		
REDUCER	D	7		
REFLUX VALVE	N	P		
RESERVOIR	RES	RES		
SADDLE	•	Ŷ		
SCOUR VALVE	\$	Ŷ		
SHUT-OFF VALVE		Ÿ		
SINGLE HOUSE CONNECITON	t	1		
STAND PIPE	æ	<b>(2)</b>		
TANK	TANK	TANK		
TAP	⊕	9		
THROTTLE CONTROL VALVE	网	呷		
VERTICAL BEND	v	Θ		
VERTICAL THRUST BLOCK	ф	ф		
WATER HAMMER ELIMINATOR	В	8		

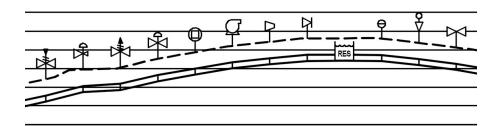
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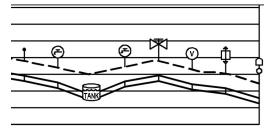
These styles can use automatic masking in the Plan and Profile View:





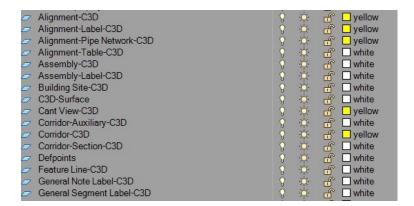




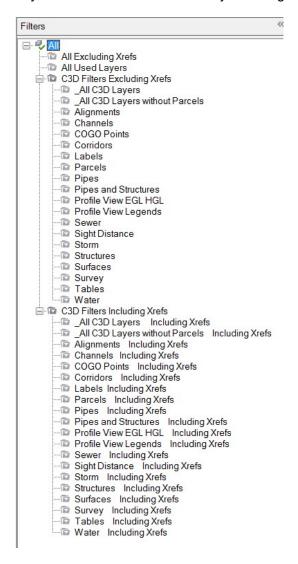


### **Layers**

Layers' C3D prefix was changed to suffix to support quick navigation with the keyboard keys:

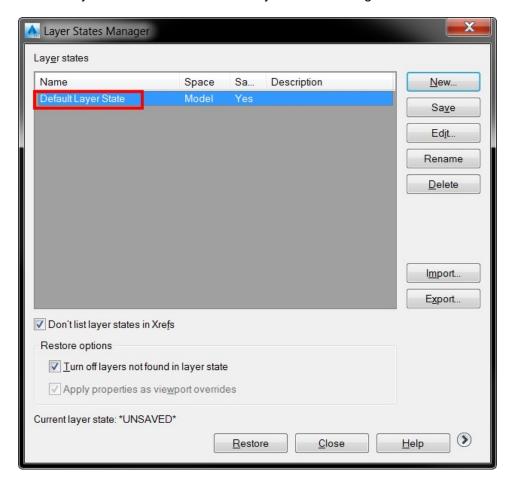


Layer filters were added to the Layer Manager:

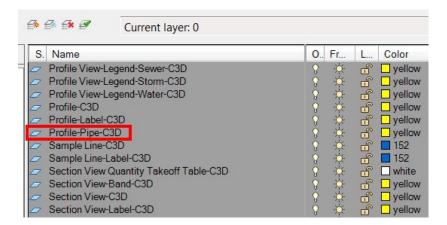


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Default Layer State was added to the Layer States Manager:



New layer added for profiles from pipes Profile-Pipe-C3D:

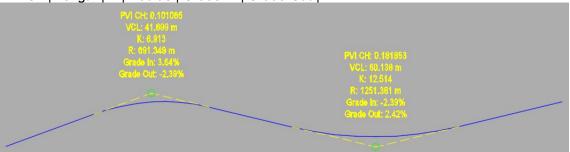


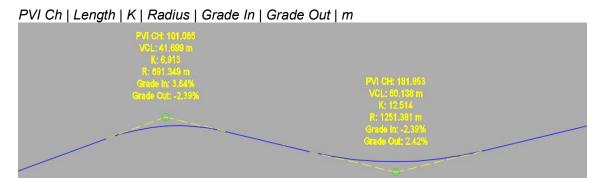
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#### **Vertical Curve Label Sets**

These Curve Label Sets are suitable for vertical alignment designs. They display all the information at the PVI, including the grades, thus there is no need to zoom to tangent labels.

PVI Ch | Length | K | Radius | Grade In | Grade Out | km





#### **Structure Table**

Name | RSA YX | Ground Elevation | Invert Elevation | Sump Depth | Length | Slope | Material | Diameter | Class

STRUCTURE TABLE-Storm Water									
					RIM TO SUMP DEPTH				
MH1.1	710 469.612	1 020 990,065	221.075	218.584	2.491	50.111	2.50%	CONCRETE	600mm Class 50
MH1.2	710 419,501	1 020 990.065	219.966	217,391	2.526	50.111 48.036	2.50% 0.50%	CONCRETE CONCRETE	600mm Clase 60 600mm Clase 50
MH1.8	710 971 465	1 020 990,065	219.561	217,091	2.470	48,098 98,892	0.50% 0.50%	CONCRETE CONCRETE	600mm Class 50 600mm Class 50
MH1.4	710 334.264	1 020 979,718	219.176	216.896	2.279	39.892 39.400	0.50% 1.96%	CONCRETE CONCRETE	600mm Clase 60 600mm Clase 50
MH1.5	710 297.929	1 020 991.141	217.951	215.142	1.352	39.400	1.95%	CONCRETE	600mm Class 50

## **Surface Table**

Pressure Legend | Min | Max | Colour

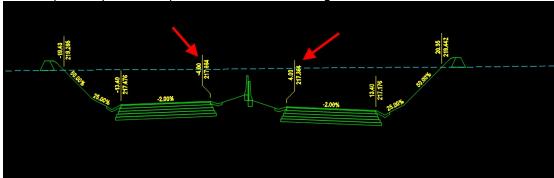
185,045					
194.771	197,000				
197.000	200,000				
200,000	204.902				
204.902	210.000				
210,000	214.465				
214.405	220,000				
220.000	230.000				

# **Code Set Style**

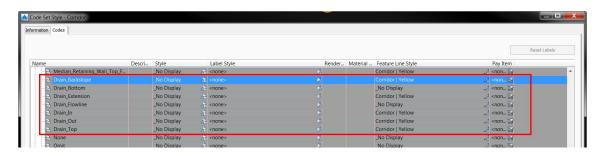
New Marker Label Styles were added:

Section | Offset | Elevation | Extension Line Offset Left and

Section | Offset | Elevation | Extension Line Offset Right

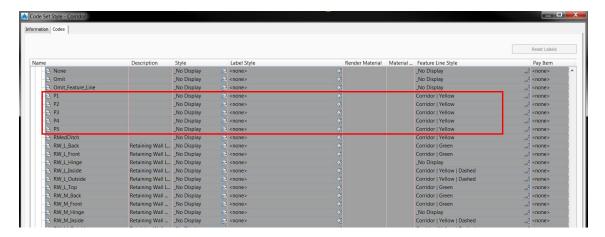


#### New point codes for drains:

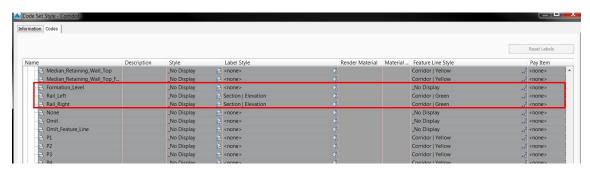


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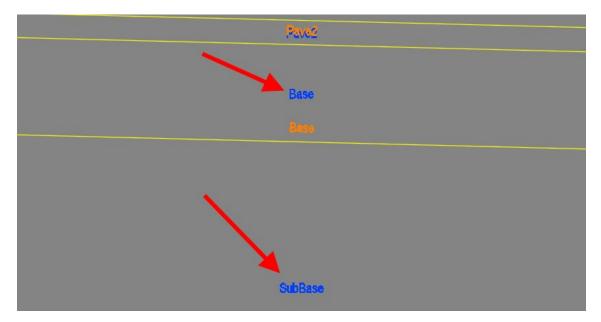
#### New point codes for points:



#### New point codes for rails:



New point code for Slope\_Pattern (Sanral cut/fill uses it for the slope pattern)
The Shape Code Label Colour was changed to blue to improve visibility on the grey background:



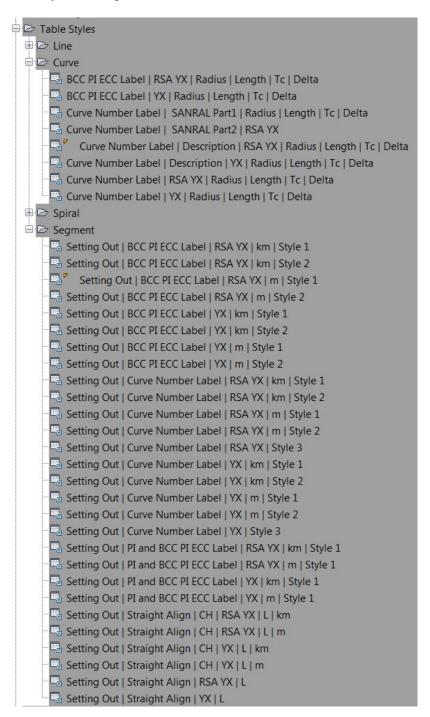
## **Style Names**

The Alignment Label Sets were renamed to make it easier to read:



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The Alignment Curve and Segment Tables were renamed to ensure that they are sorted correctly according to the label name used for the tables:



Road Profile View Styles and Band Sets were renamed accordingly:

Single Road | ... TO Road | Single | ... Dual Road | Dual | ...

Road | Dual | Band Set 1 | Full Grid 🕍 Road | Dual | Band Set 1 | Major Grid Road | Dual | Band Set 1 | Major Horizontal Grid Koad | Dual | Band Set 2 | Full Grid Koad | Dual | Band Set 2 | Major Grid Road | Dual | Band Set 2 | Major Horizontal Grid Koad | Dual | Band Set 3 | Full Grid Road | Dual | Band Set 3 | Major Grid Road | Dual | Band Set 3 | Major Horizontal Grid 🕍 Road | Dual | Band Set 4 | Full Grid Road | Dual | Band Set 4 | Major Grid Road | Dual | Band Set 4 | Major Horizontal Grid Road | Dual | Band Set 5 Bottom | Full Grid Road | Dual | Band Set 5 Bottom | Major Grid Road | Dual | Band Set 5 Bottom | Major Horizontal Grid Koad | Dual | Band Set 5 Top | Full Grid 🕍 Road | Dual | Band Set 5 Top | Major Grid Koad | Dual | Band Set 5 Top | Major Horizontal Grid Koad | Dual | Band Set 6 | Full Grid Koad | Dual | Band Set 6 | Major Grid Road | Dual | Band Set 6 | Major Horizontal Grid Road | Dual | Band Set 7 Bottom | Full Grid Road | Dual | Band Set 7 Bottom | Major Grid Road | Dual | Band Set 7 Bottom | Major Horizontal Grid 🕍 Road | Dual | Band Set 7 Top | Full Grid Road | Dual | Band Set 7 Top | Major Grid Road | Dual | Band Set 7 Top | Major Horizontal Grid Mark Road | Single | Band Set 1 | Full Grid Road | Single | Band Set 1 | Major Grid Road | Single | Band Set 1 | Major Horizontal Grid Road | Single | Band Set 2 | Full Grid 🕍 Road | Single | Band Set 2 | Major Grid Road | Single | Band Set 2 | Major Horizontal Grid Road | Single | Band Set 3 | Full Grid Koad | Single | Band Set 3 | Major Grid Road | Single | Band Set 3 | Major Horizontal Grid March Road | Single | Band Set 4 | Full Grid Road | Single | Band Set 4 | Major Grid Road | Single | Band Set 4 | Major Horizontal Grid Road | Single | Band Set 5 | Full Grid

# **AUTODESK CIVIL 3D SUBASSEMBLIES**

The following Subassemblies were added:

- Devotech SANRAL Cut Fill Ver 12
- Devotech SANRAL Median Barrier with Retaining Wall Ver 06
- Devotech Conditional Road Edge Barrier Curb and Channel Ver 01
- Devotech Conditional Road Edge Barrier Curb and Channel or U Channel Ver 01
- Devotech Conditional Road Edge Barrier Curb and Channel Ver 02
- Devotech Single Railway Ver 01
- Devotech Single Railway Cant Calculations Ver 01

# **HELP FILE**

The following chapters were added to the Devotech iDAS and Autodesk Civil 3D Help File:

- Devotech iDAS and Autodesk Civil 3D System Requirements
- Autodesk Civil 3D Essentials Guardrail and drainage quantities
- Autodesk Civil 3D Advanced Roundabout design
- Autodesk Civil 3D Advanced Cul-de-sac design
- Devotech iDAS Pipe Network Design Water Network Analysis in Devotech iDAS Valves
- Devotech iDAS Pipe Network Design Water Network Analysis in Devotech iDAS Minor losses
- Autodesk Civil 3D Performance and Settings
- Some other chapters were improved or updated

# **VIDEOS**

Devotech iDAS introduction for new users:

https://www.devotech.co.za/miscellaneous-training?wix-vod-video-id=057596b89804491ba11045c223961610&wix-vod-comp-id=comp-jeo1tayu#

Alignments – Create setting out data table for alignment with and without curves at PIs: <a href="https://www.devotech.co.za/alignments-training?wix-vod-video-id=b964548e82ca44b3b8aabd25e7ca8abc&wix-vod-comp-id=comp-jeo1fyl5#">https://www.devotech.co.za/alignments-training?wix-vod-video-id=b964548e82ca44b3b8aabd25e7ca8abc&wix-vod-comp-id=comp-jeo1fyl5#</a>

COGO Points – Create COGO points at alignment geometry points: <a href="https://www.devotech.co.za/points-training?wix-vod-video-id=5d594953e1a44250a3d6259bf71110e6&wix-vod-comp-id=comp-jeo1dtxq#">https://www.devotech.co.za/points-training?wix-vod-video-id=5d594953e1a44250a3d6259bf71110e6&wix-vod-comp-id=comp-jeo1dtxq#</a>

#### Mass-haul diagram

https://www.devotech.co.za/roads-training?wix-vod-video-id=53997a63719c43c182fcd538f05f0ae4&wix-vod-comp-id=comp-jck9pzzl#

Dual carriageway dynamic profile views:

https://www.devotech.co.za/roads-training?wix-vod-video-

id=59f4de1e8ea94079a0f1b5c69e019c89&wix-vod-comp-id=comp-jck9pzzl#

Assemblies – Create dual road assembly with pivot point at inside edges:

https://www.devotech.co.za/assemblies-training?wix-vod-video-

id=a10af770385d47ec8a31a00aeec44930&wix-vod-comp-id=comp-jckaarb6#

Corridors – Create profile from corridor for inside edge crossing centreline:

https://www.devotech.co.za/corridors-training?wix-vod-video-

id=24c2e360b9344af1b39940bf688f0f9a&wix-vod-comp-id=comp-jcka8q48#

Corridors - Create corridor surface boundary from toe line polyline

https://www.devotech.co.za/corridors-training?wix-vod-video-

id=415ba302665848528851b6da9f19e6d7&wix-vod-comp-id=comp-jcka8q48#

Corridors - Change feature style for referenced corridor

https://www.devotech.co.za/corridors-training?wix-vod-video-

id=99345d30e04148fc816bb94e871028bc&wix-vod-comp-id=comp-jcka8q48#

Stormwater network design and analysis (entire video channel):

https://www.devotech.co.za/storm-water-training?wix-vod-comp-id=comp-jck4lbf2#

#### Culvert design and sections:

https://www.devotech.co.za/storm-water-training?wix-vod-video-

id=979258833db84d5c8ef479f74f96d852&wix-vod-comp-id=comp-jck4lbf2#

Bulk Water – Rename structures in the chainage direction:

https://www.devotech.co.za/bulk-water-training?wix-vod-video-

id=caea3c2def2e4215adaecb3966e42088&wix-vod-comp-id=comp-jck6l0rb#

Bulk Water – Create setting out data table for horizontal bends:

https://www.devotech.co.za/bulk-water-training?wix-vod-video-

id=b25e4cb6679d4069acc8a0771b274c45&wix-vod-comp-id=comp-jck6l0rb#

Bulk Water – Create alignment setting out table every 20 m and at Pis:

https://www.devotech.co.za/bulk-water-training?wix-vod-video-

id=ef8c81d7d0db40fe88079987213f57a9&wix-vod-comp-id=comp-jck6l0rb#

#### Pipe jacking:

https://www.devotech.co.za/bulk-water-training?wix-vod-video-

id=963d0bdba8674b389fb9bed65a0f51c2&wix-vod-comp-id=comp-jck6l0rb#

#### Sewer – Rodding eyes:

https://www.devotech.co.za/sewer-training?wix-vod-video-

id=976205ed86234d6389d709eafe03e15b&wix-vod-comp-id=comp-jckb9fog#

Pipe Networks – Display only one invert elevation at structure in the profile view:

https://www.devotech.co.za/pipe-networks-training?wix-vod-video-

id=59c4ce4d26774ee2be9ea93c86cdb37f&wix-vod-comp-id=comp-jeo1nzp7#

Pipe Networks - Display depth to invert in the profile view band:

https://www.devotech.co.za/pipe-networks-training?wix-vod-video-

id=5e42205c6cdd42898a791bb565167686&wix-vod-comp-id=comp-jeo1nzp7#

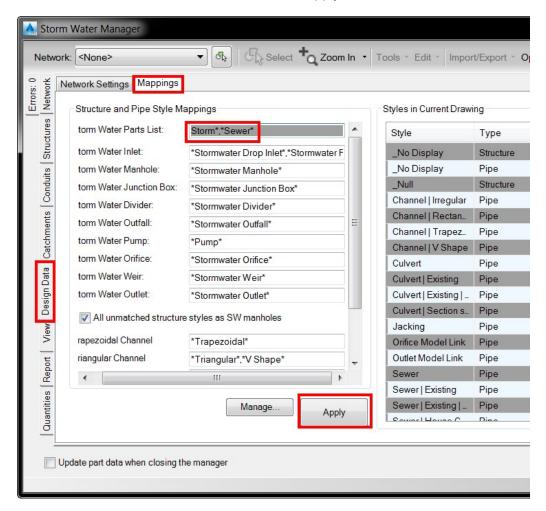
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Pipe Networks – Create pipe network parallel with another network: <a href="https://www.devotech.co.za/pipe-networks-training?wix-vod-video-id=54ae2d059c604c08a0e39c93e5d8d7b0&wix-vod-comp-id=comp-jeo1nzp7#">https://www.devotech.co.za/pipe-networks-training?wix-vod-video-id=54ae2d059c604c08a0e39c93e5d8d7b0&wix-vod-comp-id=comp-jeo1nzp7#</a>

Quantities – How to calculate alignment length crossing specific area (land usage): <a href="https://www.devotech.co.za/quantities-training?wix-vod-video-id=10d15037b5b04c3abf637fe978e6291f&wix-vod-comp-id=comp-jeo1pxpt#">https://www.devotech.co.za/quantities-training?wix-vod-video-id=10d15037b5b04c3abf637fe978e6291f&wix-vod-comp-id=comp-jeo1pxpt#</a>

# **KNOWN ISSUES**

- Profiles from pipes do not update the existing profiles. New profiles must be created.
- Sewer Manager quantities are disabled in the new Sewer Manager due to the
  performance issues. To calculate quantities, use the Storm Manager. Open the Storm
  Manager and go to the Design Data tab, click on the horizontal Mappings tab, under
  Stormwater Parts List add ",\*Sewer\*" and click Apply:



It will load all the sewer networks available in the drawing and you can calculate the quantities as usual.

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 Plan Production – Profile Views sometimes overlap, see this video for a solution <a href="https://www.devotech.co.za/plan-production-training?wix-vod-video-id=9ac580e84fa042c7bbae0b68451eb206&wix-vod-comp-id=comp-jeo1rxd6#">https://www.devotech.co.za/plan-production-training?wix-vod-video-id=9ac580e84fa042c7bbae0b68451eb206&wix-vod-comp-id=comp-jeo1rxd6#</a>

- The Water and Stormwater Managers are flickering on some computers when the mouse cursor hovers over the Grid Lines.
- If you open the Water or Stormwater Manager without a surface in the drawing, it takes a while to open.