

# Pipeline Automatic Correction

- A function that automatically corrects pipes with errors in the entire pipe network (duplicate pipes, undershoot, overshoot, etc.) and automatically corrects them after user confirmation.

GISpipe - en\_sample1

File Edit Water Distribution Network Model Storm Water Management Model Surface Runoff Model Tools Help

Options  
Transforms  
Remove Shapes  
Remove out of Study area  
Edit Facilities  
Pipes Autocorrection  
Edited Content  
Clipboard  
Paste  
Cut

Import Export Table + - ▲ ▼ ◀ ▶ 2D 3D Layer Property Search...

Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

25 m

Time

Working Mode : Select  Click XY X:145878.13106, Y:185789.61076 Scale 1 : 646 Map EPSG : 5181 Expire Day : 289

GISpipe - en\_sample1

File Edit Water Distribution Network Model Storm Water Management Model Surface Runoff Model Tools Help

Options Transforms Remove Shapes Remove out of Study Area Pipes Edited Paste Copy

Autocorrection

Enter: Next Record Search

Layer Name

- Water Meters
- Valve
- Service Connection
- Water Distribution Main

Map Operation	Group Name	Net. Length	Pipe Count
	group1	11.01	3
	group2	26.83	6
	group3	39.19	3
	group4	110.49	17

Update Undershoot Or Overshoot : 23

25 m

Time

Working Mode : Select  Click XY X:145826.13326, Y:185796.96571 Scale 1 : 646 Map EPSG : 5181 Expire Day : 289

GISpipe - en\_sample1

File Edit Water Distribution Network Model Storm Water Management Model Surface Runoff Model Tools Help

Options Transforms Pipes Edited Paste Cut

Remove out of Study Area

Import Export

Layer Name

- Water Meters
- Valve
- Service Connection
- Water Distribution Main

Autocorrection

Enter : Next Record

Search

Map Operation	Group Name	Net. Length	Pipe Count
	group1	11.01	3
	group2	26.83	6
	group3	39.19	3
	group4	110.49	17

Move location

Delete

Autocorrect

Undo

Time

25 m

Working Mode : Select  Click XY X:145890.75348, Y:185823.16060 Scale 1 : 646 Map EPSG : 5181 Expire Day : 289

GISpipe - en\_sample1

File Edit Water Distribution Network Model Storm Water Management Model Surface Runoff Model Tools Help

Options Transforms Remove Shapes Remove out of Study area Pipes Autocorrection Edited Content Paste Cut

Import Export Table + - ▲ ▼ Layer Property Search...

Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

25 m

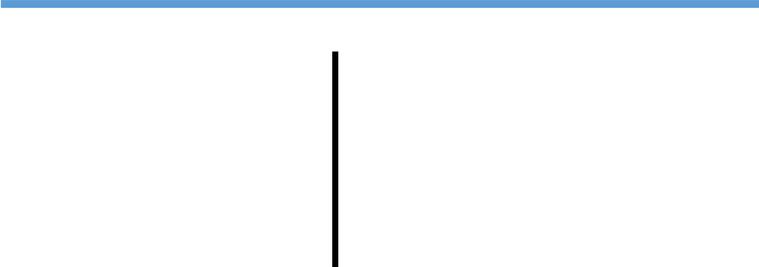
Time

Working Mode : Select  Click XY X:145867.32026, Y:185825.55524 Scale 1 : 646 Map EPSG : 5181 Expire Day : 289

Modified contents can be checked in tables and ShapeFile.

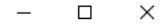
# Automatic correction of pipeline undershoot and overshoot

Undershoot



Overshoot





Options

- Transforms
- Remove Shapes
- Remove out of Study area

Edit Facilities

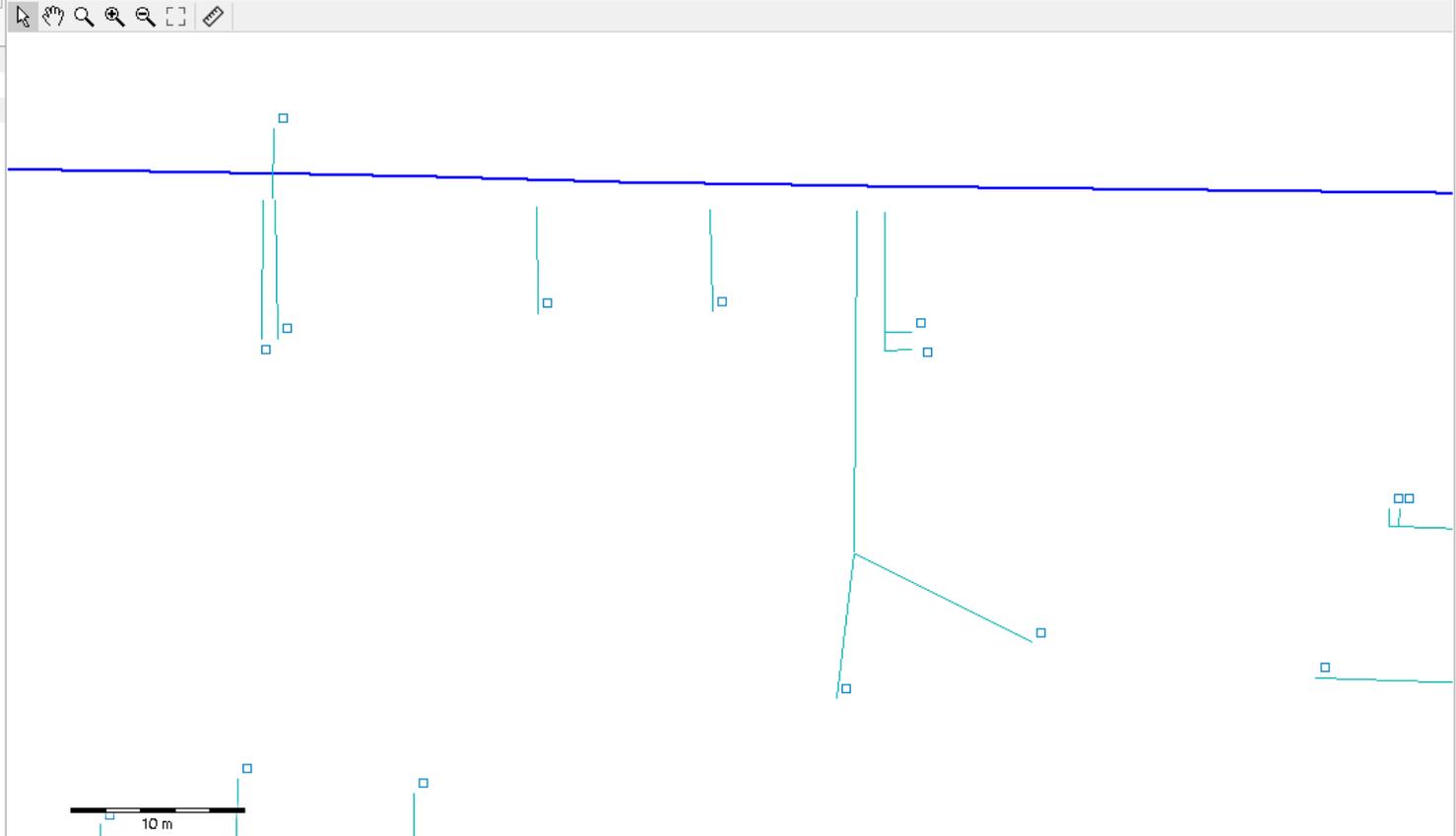
- Pipes Autocorrection
- Edited Content

Clipboard

- Paste
- Cut

Import Export Table + - ▲ ▼ ◀ ▶ 2D 3D Layer Property Search...

<input checked="" type="checkbox"/>	Layer Name	EPSG
<input checked="" type="checkbox"/>	Water Meters	5181
<input checked="" type="checkbox"/>	Valve	5181
<input checked="" type="checkbox"/>	Service Connection	5181
<input checked="" type="checkbox"/>	Water Distribution Main	5181



Time [dropdown]

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File Edit Water Distribution Network Model Storm Water Management Model Surface Runoff Model Tools Help

Options Add Shape Edit Vertices Transforms Split Pipe Pipe division of joint Remove Shapes Remove out of Study area Pipes Autocorrection Edited Content Paste Cut Copy

Import Export Table + - ▲ ▼ ◀ ▶ 2D 3D Layer Property Search...

Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

Select Service Connection Layer

Time

Working Mode : Select Click XY X:145872.00300, Y:185779.89707 Scale 1 : 287 Map EPSG : 5181 Expire Day : 289

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File Edit Water Distribution Network Model Storm Water Management Model Surface Runoff Model Tools Help

Options Add Shape Edit Vertices Transforms Split Pipe Pipe division of joint Remove Shapes Remove out of Study area Pipes Autocorrection Edited Content Paste Copy Cut

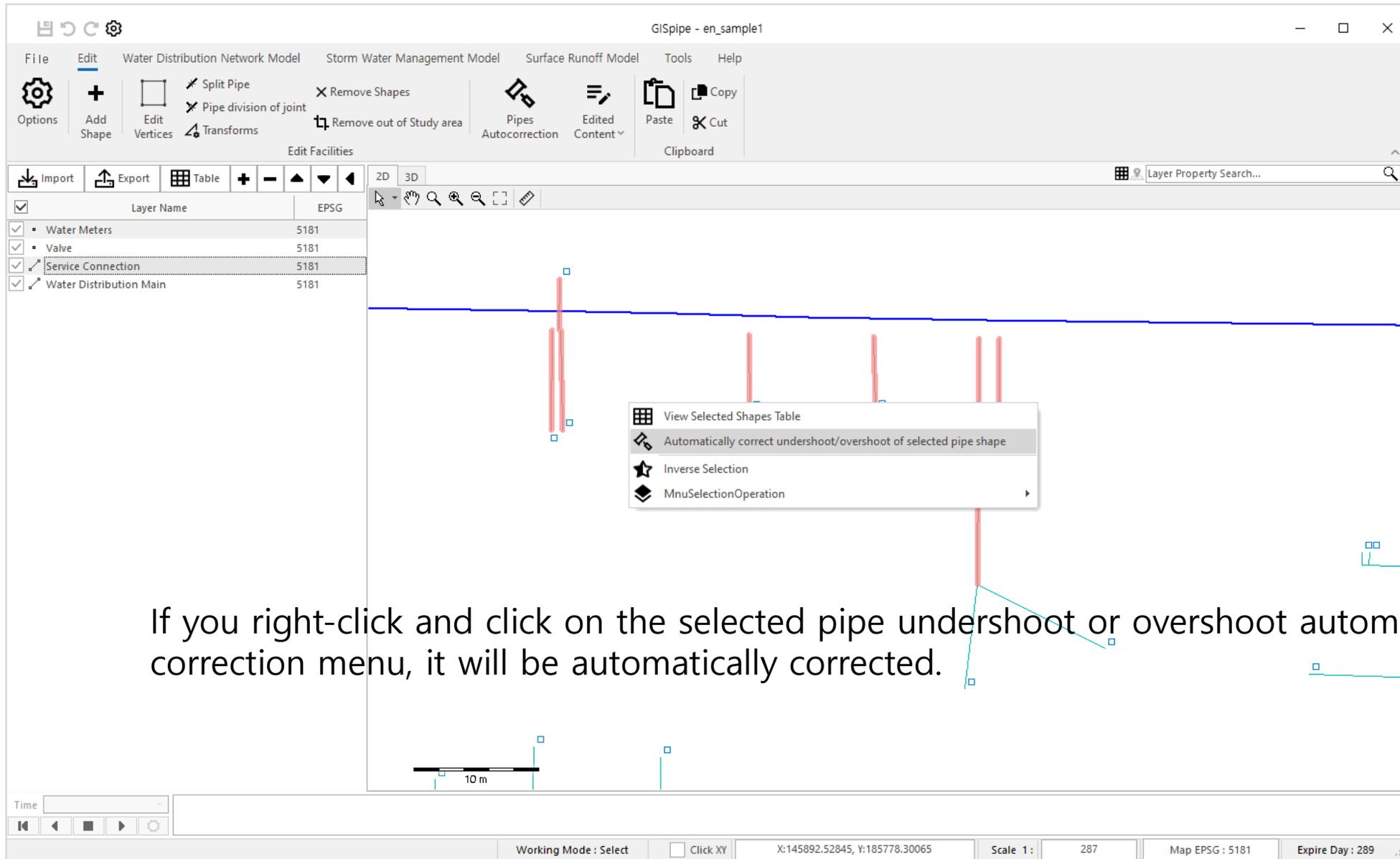
Import Export Table + - ▲ ▼ 2D 3D Layer Property Search...

Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

Select desired shape

Time

Working Mode : Select  Click XY X:145896.70956, Y:185793.42866 Scale 1 : 287 Map EPSG : 5181 Expire Day : 289



If you right-click and click on the selected pipe undershoot or overshoot automatic correction menu, it will be automatically corrected.

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Options Add Shape Edit Vertices Transforms Split Pipe Pipe division of joint Remove Shapes Remove out of Study area Pipes Autocorrection Edited Content Paste Copy Cut

Import Export Table + - ▲ ▼ 2D 3D Layer Property Search...

Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

Check whether it has been modified properly.

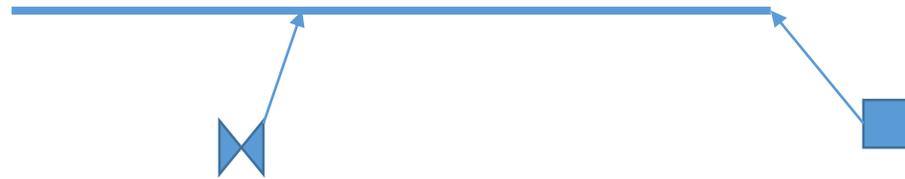
10 m

Time

Working Mode : Select  Click XY X:145902.48709, Y:185788.56337 Scale 1 : 287 Map EPSG : 5181 Expire Day : 289

# Automatic snapping to point geometry pipelines

To the end of the water meter service connection



The valve is on the pipe

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Options Add Shape Edit Vertices Transforms Remove Shapes Remove out of Study area Pipes Autocorrection Edited Content Paste Cut Copy

Import Export Table + - ▲ ▼ ◀ ▶ 2D 3D Layer Property Search...

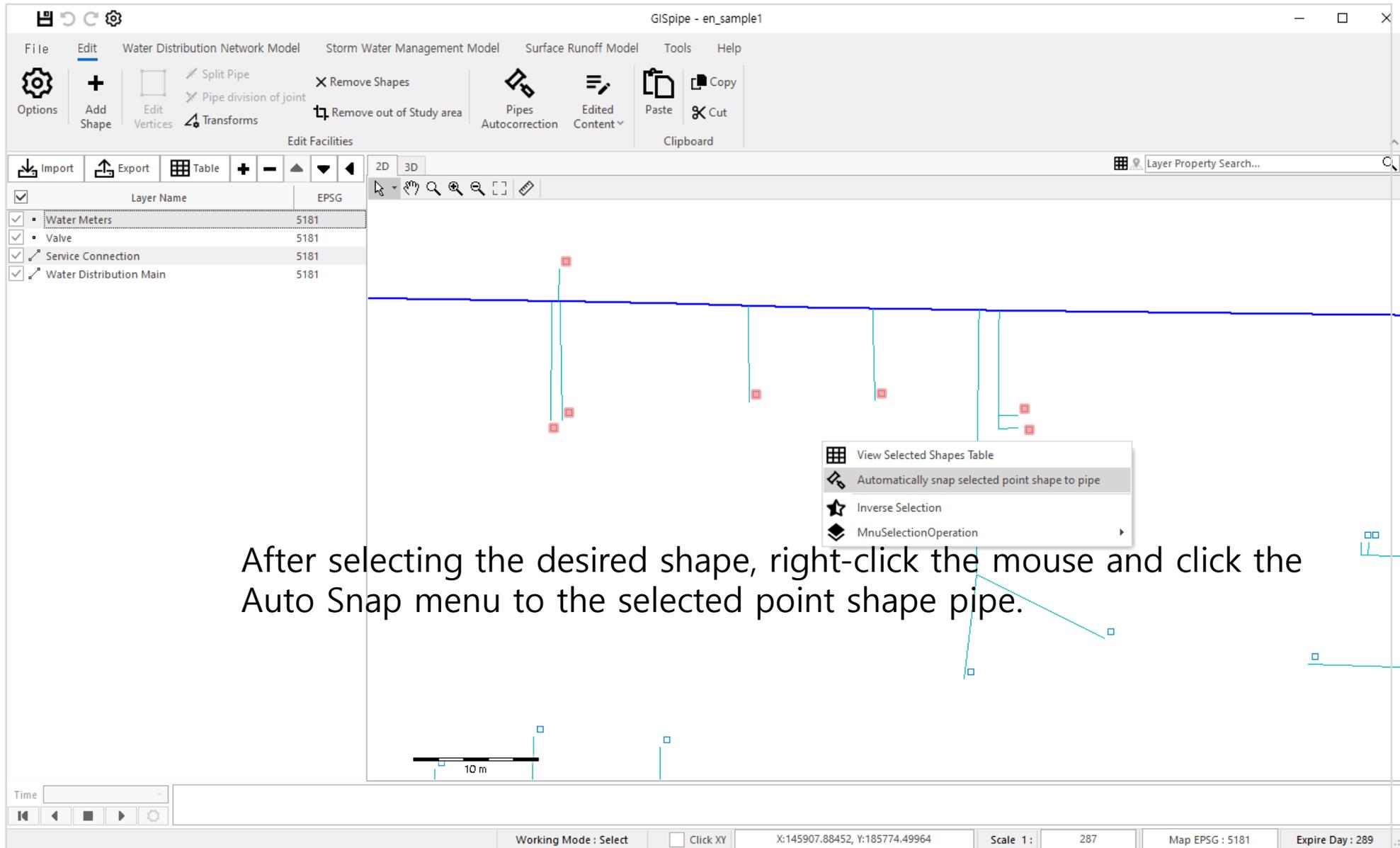
Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

Click the water meter layer.

10 m

Time

Working Mode : Select  Click XY X:145873.52341, Y:185774.95576 Scale 1 : 287 Map EPSG : 5181 Expire Day : 289



After selecting the desired shape, right-click the mouse and click the Auto Snap menu to the selected point shape pipe.

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Import Export Table + - ▲ ▼ ◀ ▶ 2D 3D Layer Property Search...

Layer Name	EPSG
Water Meters	5181
Valve	5181
Service Connection	5181
Water Distribution Main	5181

Check whether it has been modified properly.

10 m

Time

Working Mode : Select  Click XY X:145899.97842, Y:185788.18327 Scale 1 : 287 Map EPSG : 5181 Expire Day : 289