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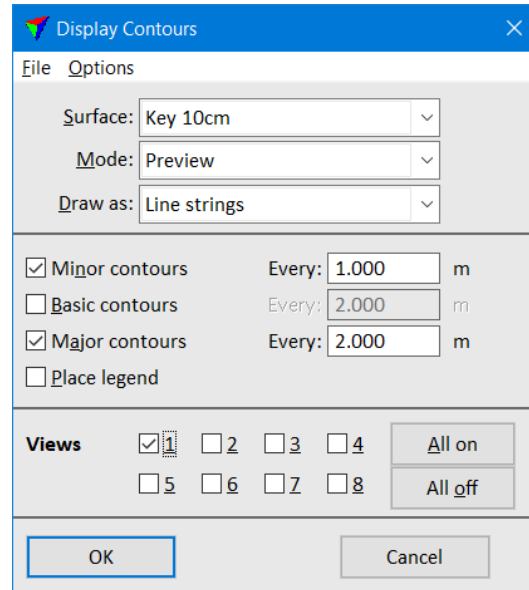
TerraModeler New Features

Arttu Soininen 12.03.2021



View Visibility with Preview Contours

- Visibility of preview contours used to be based on level visibility
- View check boxes have replaced levels



The screenshot shows the 'Display Contours' dialog box with the following settings:

- Surface:** Key 10cm
- Mode:** Preview
- Draw as:** Line strings
- Minor contours** Every: 1.000 m
- Basic contours** Every: 2.000 m
- Major contours** Every: 2.000 m
- Place legend**
- Views:**
 - 1 2 3 4 5 6 7 8
 -
-

Section Markers in Draw Alignment Sections

- Draws markers at places where sections have been generated

Draw Sections Along Alignment

Alignment stations
Start station: 0.000
End station: 383.948 Increasing ▾

Sections
From station: 0.0 Left width: 10.0
To station: 383.9 Right width: 10.0
Interval: 20.0
 Draw section markers

Scale
Horizontal 1: 500 Vertical 1: 100

Range
Color: 0 ▾
Binding: Follows surface ▾
Surface: Key 10cm ▾
From: 13.00 m 1. z: 15.7
To: 18.00 m
Step: 1.00 m
 Label binding elevation

OK
Cancel
Surfaces...
Labels...
Markers...

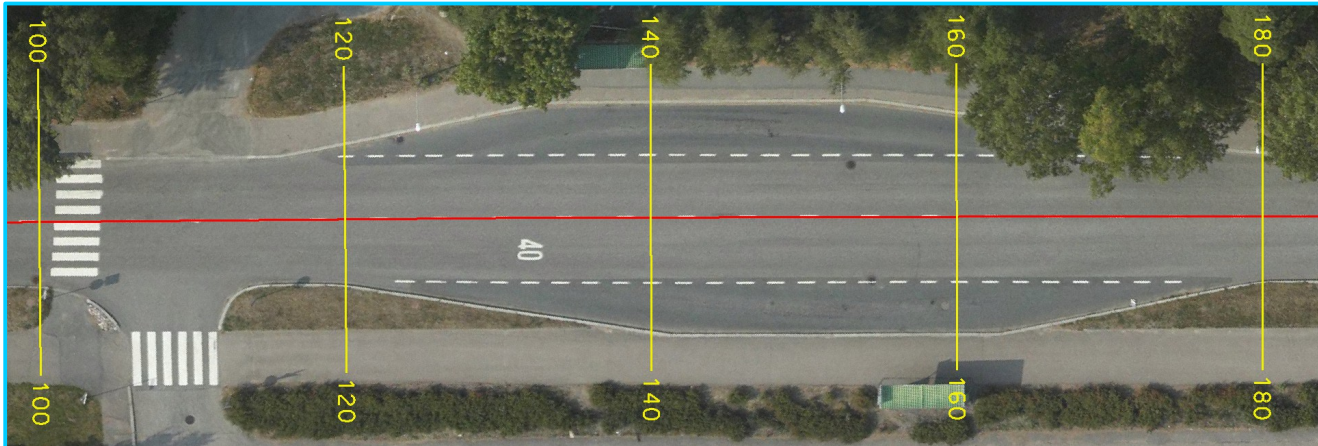
Alignment Section Markers

Section line: 20 ▾ 0 ▾ 0 ▾

Draw station label at
 Left end At line end ▾
 Center Below line ▾
 Right end At line end ▾

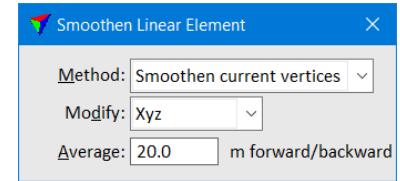
Font: Engineering ▾
Size: 2.0 mm
Color: 20 ▾ 1 ▾

OK Cancel



Smoothen Linear Element

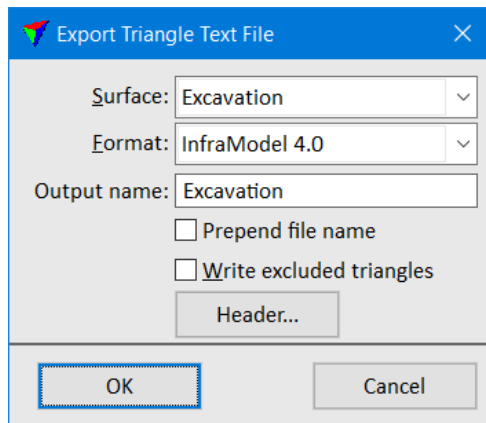
- Smoothens linear elements by modifying current vertices or by adding new vertices
- Use **Smoothen current vertices** when starting vector has many vertices with some noise in position
- Use **Add vertices** options when starting vector has sparse vertices with sharp turns



*Red is original, yellow is **Add vertices by turn angle** result*

InfraModel 4.0 Export

- **File / Export / Triangle text file** menu command in **Surfaces** window can write TIN model into InfraModel 4.0 format file



Export Triangle Text File

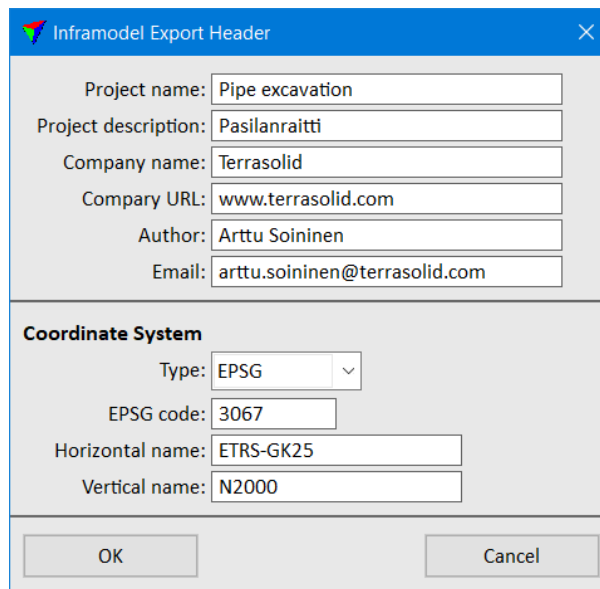
Surface:

Format:

Output name:

Prepend file name

Write excluded triangles



Inframodel Export Header

Project name:

Project description:

Company name:

Company URL:

Author:

Email:

Coordinate System

Type:

EPSG code:

Horizontal name:

Vertical name: