# Plateia

by CGS Labs

# INTERSECTION COMMAND IN THE PROFILE TAB

Tutorial

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# Intersection command in the profile tab



Title: **Intersection command in the profile tab**

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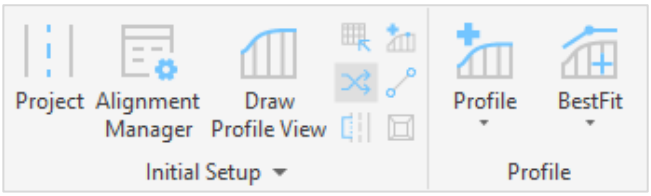
# INTRODUCTION

In the Profile tab, there is an Intersection command, which is used for the input of intersections with the existent infrastructure (roads, railroads, streams).



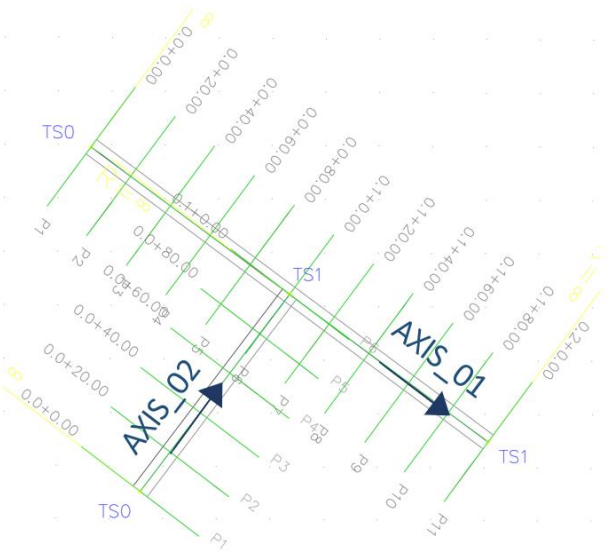

In the selected longitudinal profile, the command will show all the existent and already defined roads, railroads or the stream gradient. The command can be helpful when planning intersections or when levelling rounding in the intersections.

This tutorial will be shown based on a drawing with two alignments that have a drawn profile and a calculated superelevation.

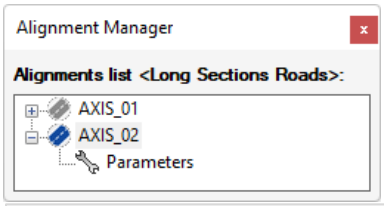
# 1. Intersection

When you are designing intersection, you have to adjust the profile height of the secondary alignment to the primary. To do this, you can help yourself with the Intersection command, which is in the Profile tab.

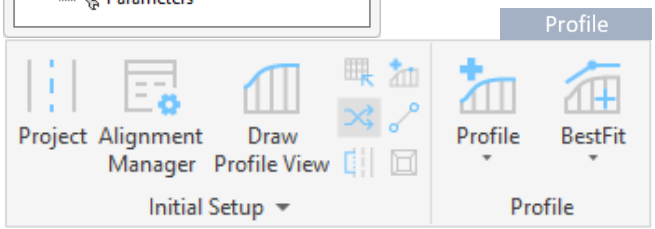
In this example, AXIS_01 is the primary alignment and AXIS_02 is the secondary alignment.




1. Set AXIS_02 as an active alignment.



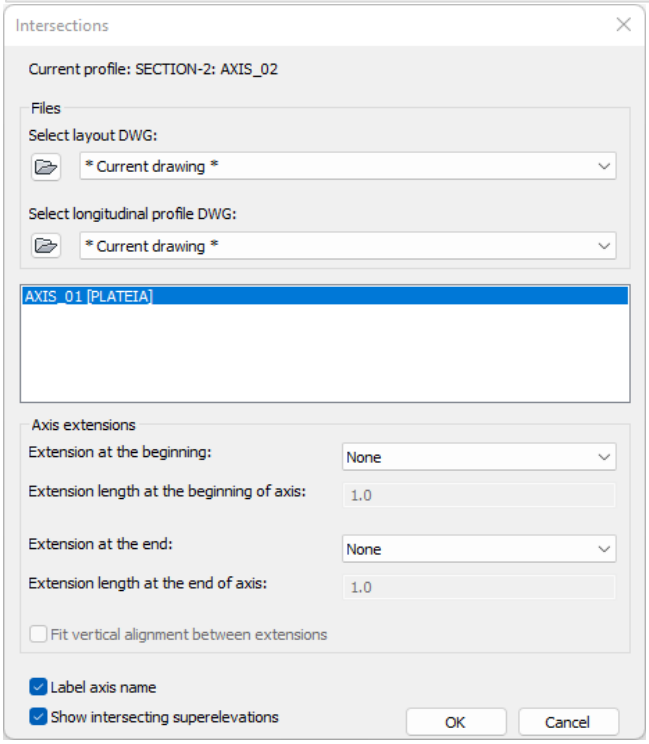

2. Run the Intersection command.



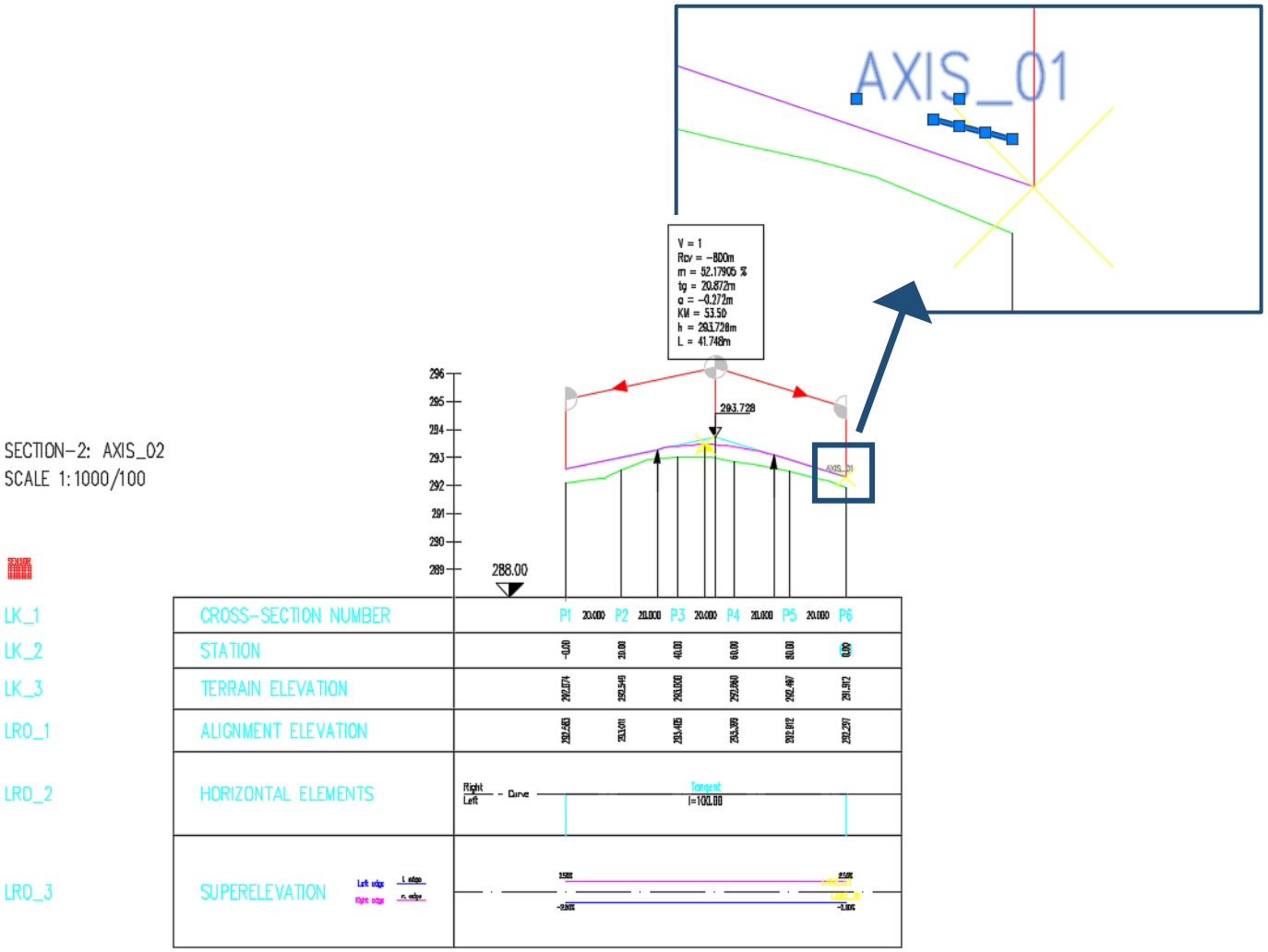

3. Select layout and longitudinal profile DWG from the drop-down menu.

4. Mark AXIS_01 [PLATEIA].

5. Confirm by pressing the OK button.



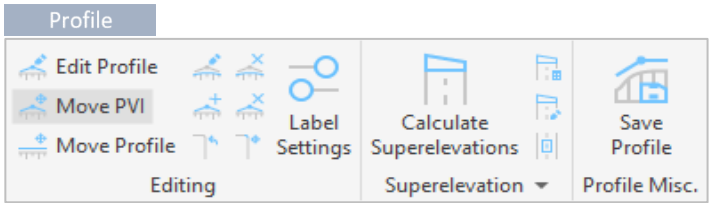
The height of the axis AXIS_01 is now shown in the profile AXIS_02, as shown in the figure below:



## 2. Editing profile AXIS_02

Now it is necessary to adjust the profile of the AXIS_02 according to AXIS_01. To edit the profile, use the tools from the Editing profile tab.

1. Run the Move PVI command.




2. Change the position of the profile so that it overlaps AXIS_01.