How to Assign Survey Points to Another Group

Earthwork · https://mes100.com/docs/how-to-assign-survey-points-to-another-group/

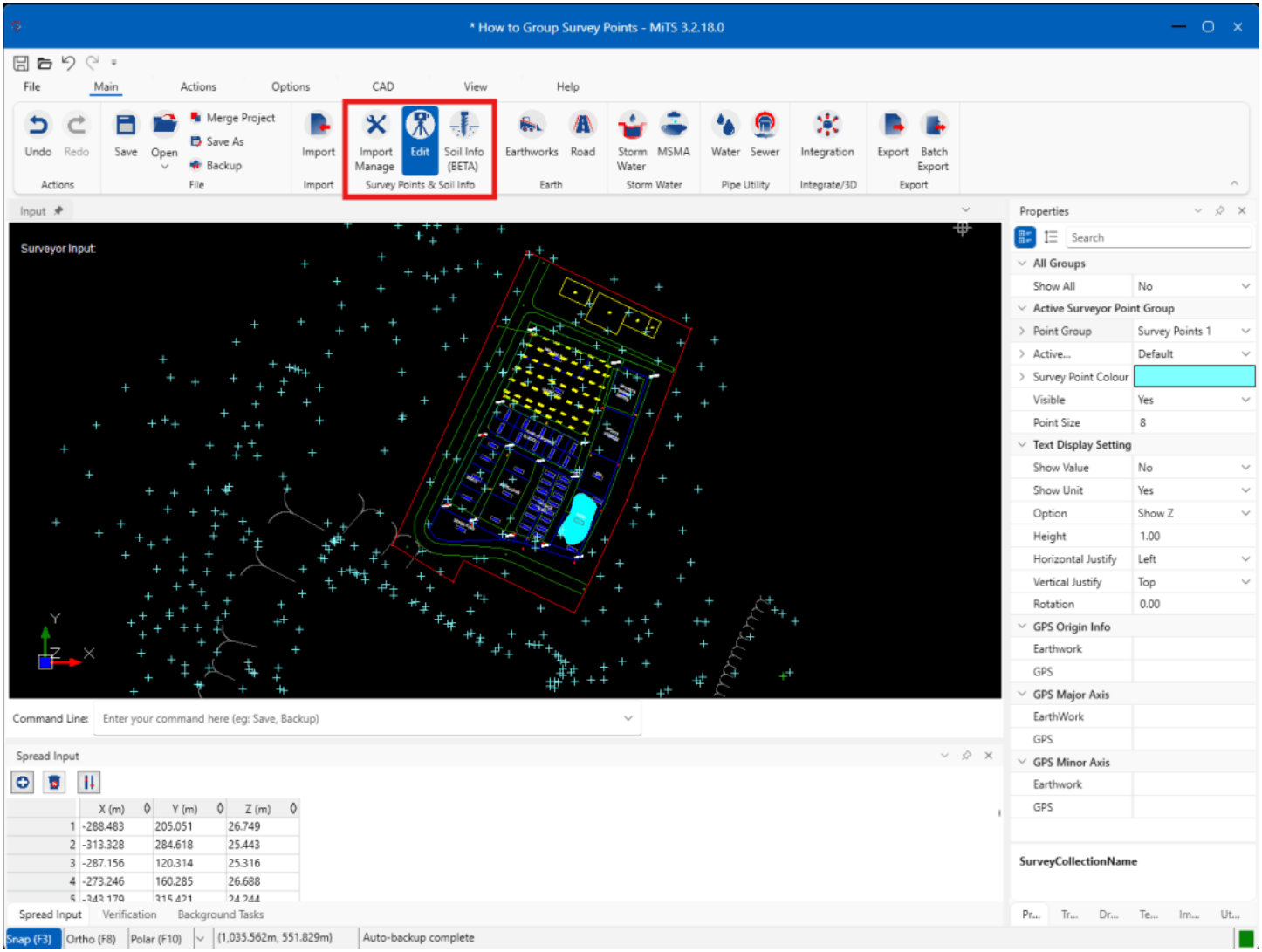
In MiTS, survey points can be assigned to different groups and subgroups.

Version of MiTS used: MiTS 3.2.18.0

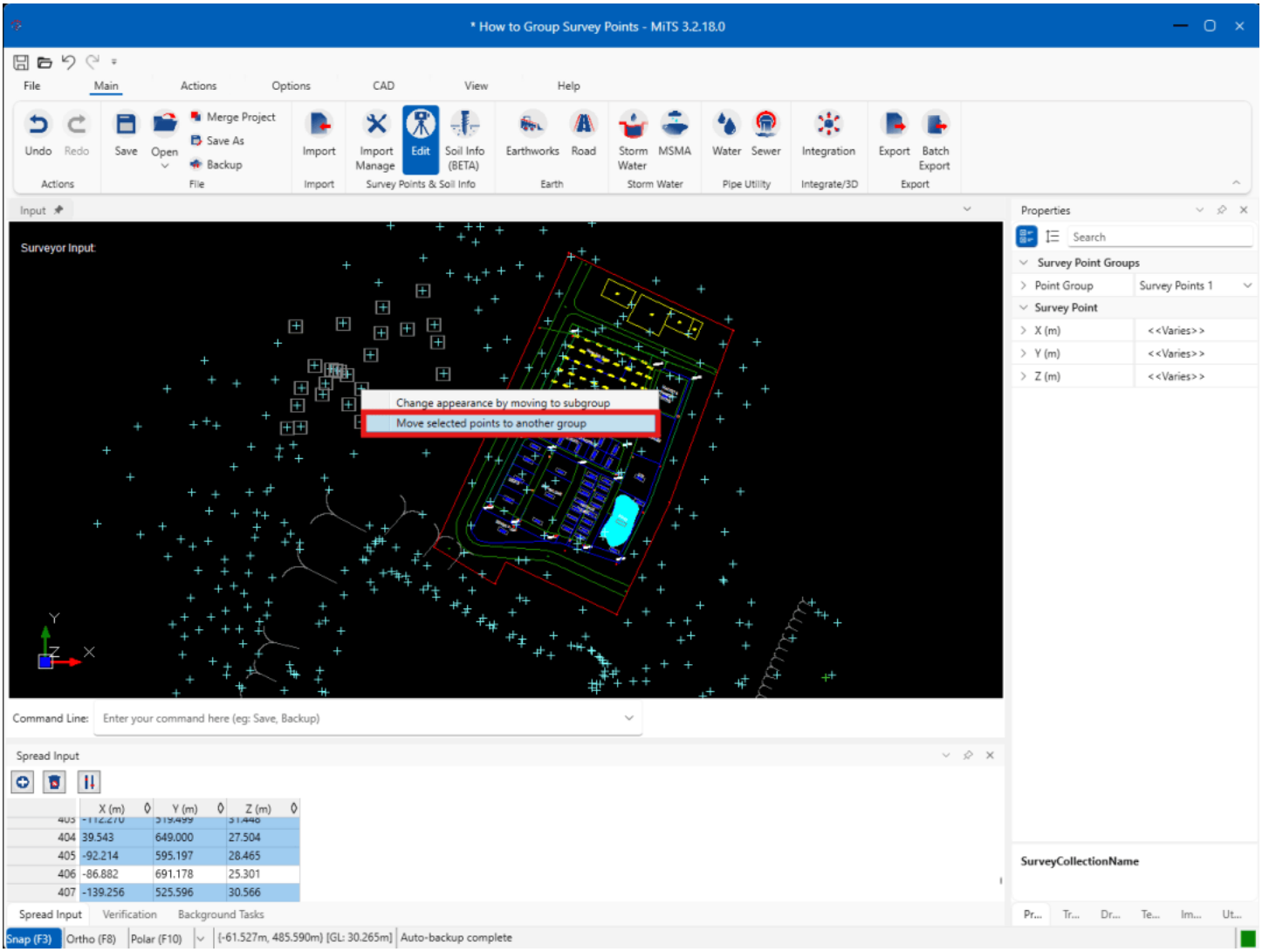
Step to assign survey points to another group

Assigning survey points to different groups allows users to hide or make the survey points visible in certain areas of their project.

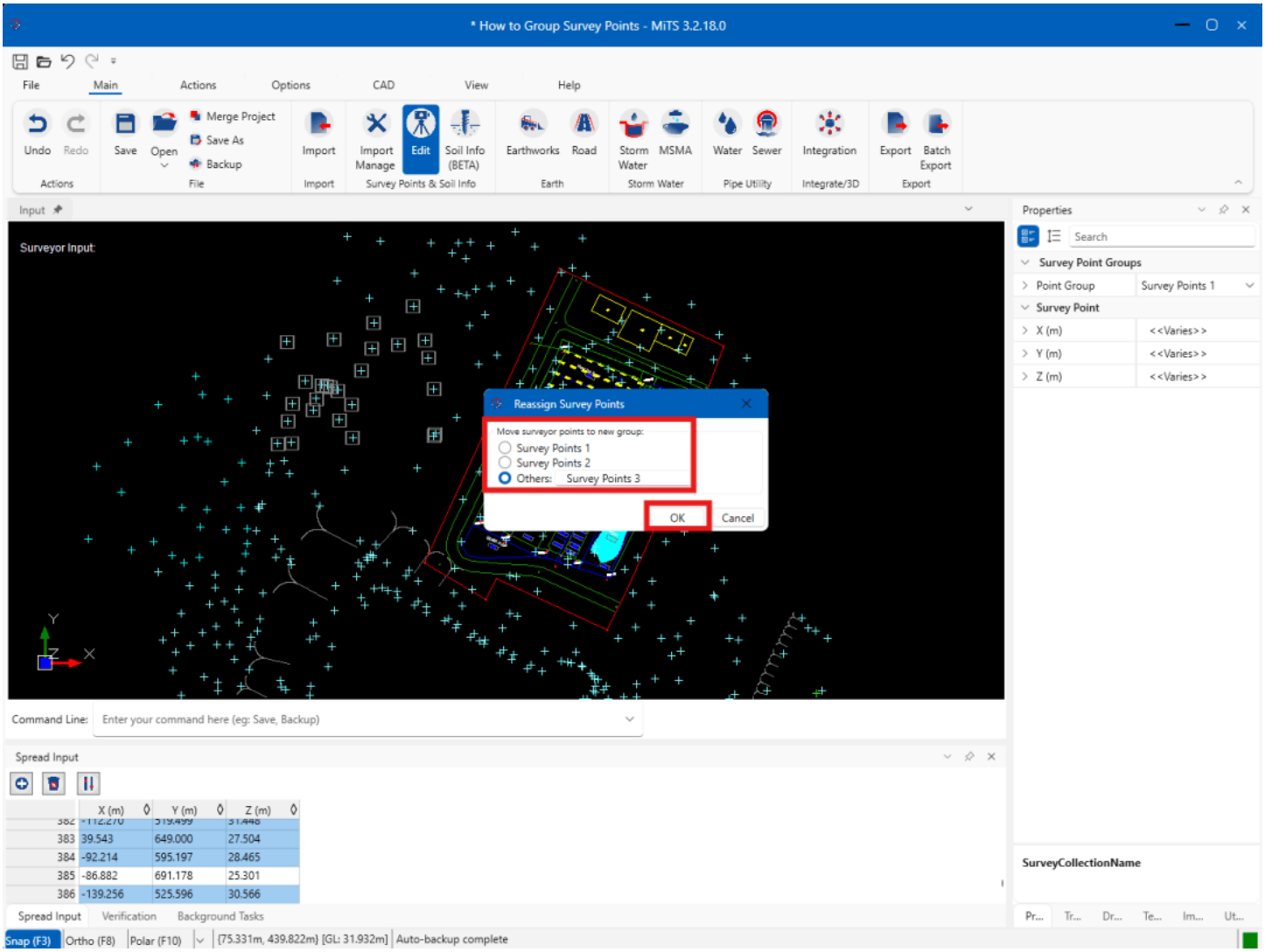
1. Make sure to click “Edit” at the “Survey Points & Soil Info” panel.



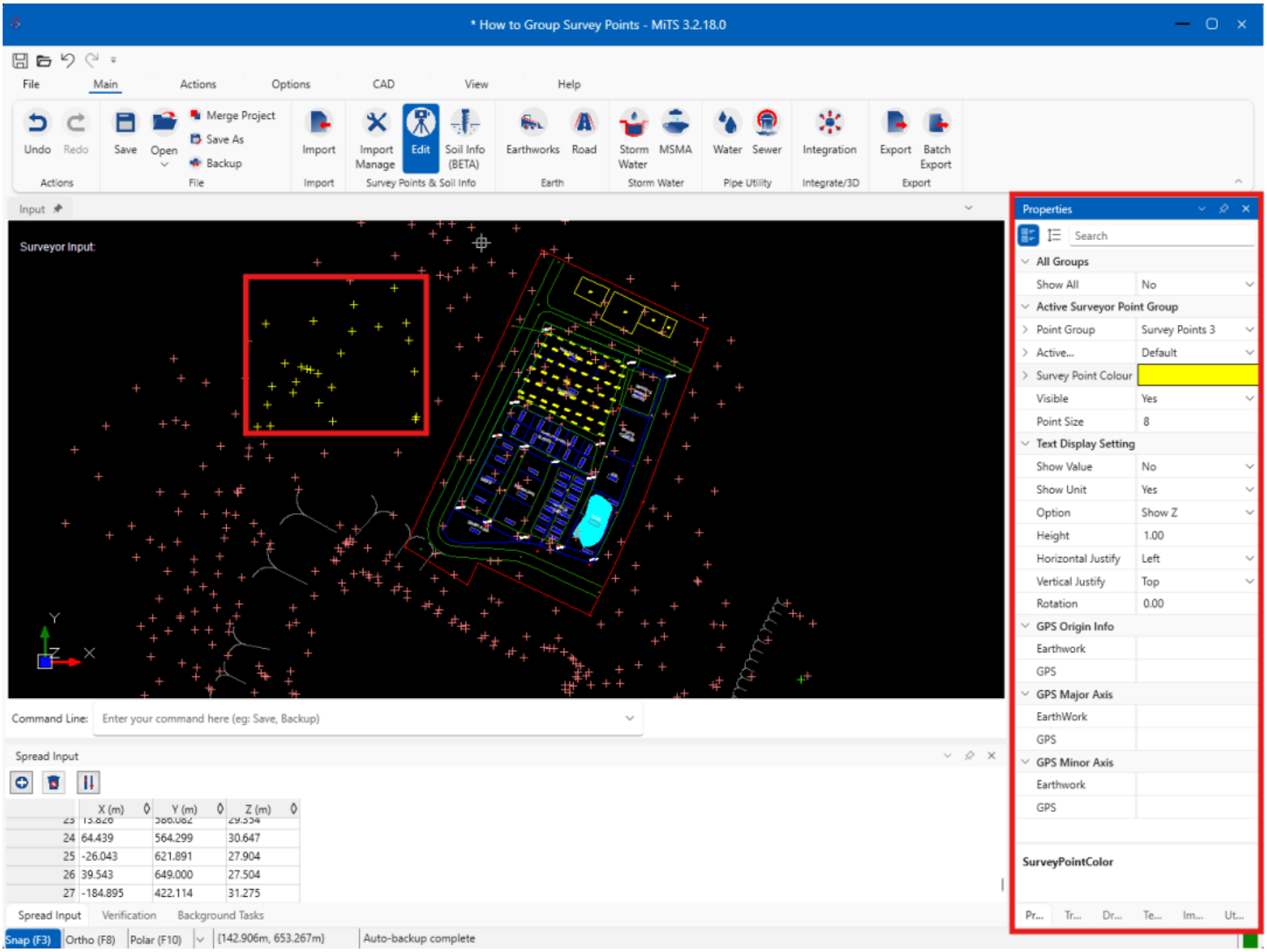
2. To assign the survey points to a different group, *select the points > right click > click "Move selected points to another group".*



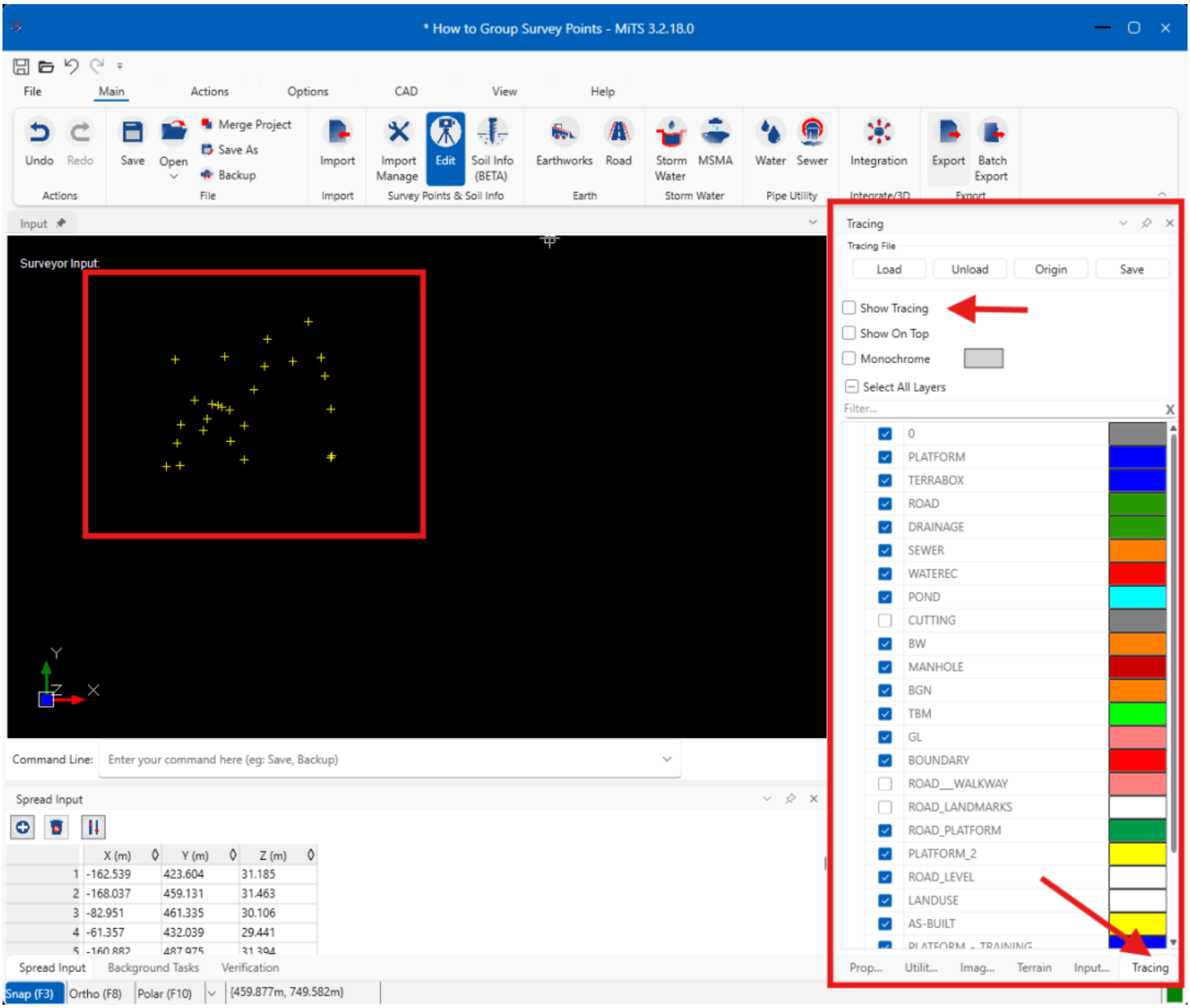
3. Then, “Reassign Survey Points” dialog box will pop up. The choices of Survey Points Group or to create a new group (Others) will be given as per the image below. In this example, “Others” will be chosen and named as “Survey Points 3”. Then, click “OK” and the selected points will be assigned to another group.



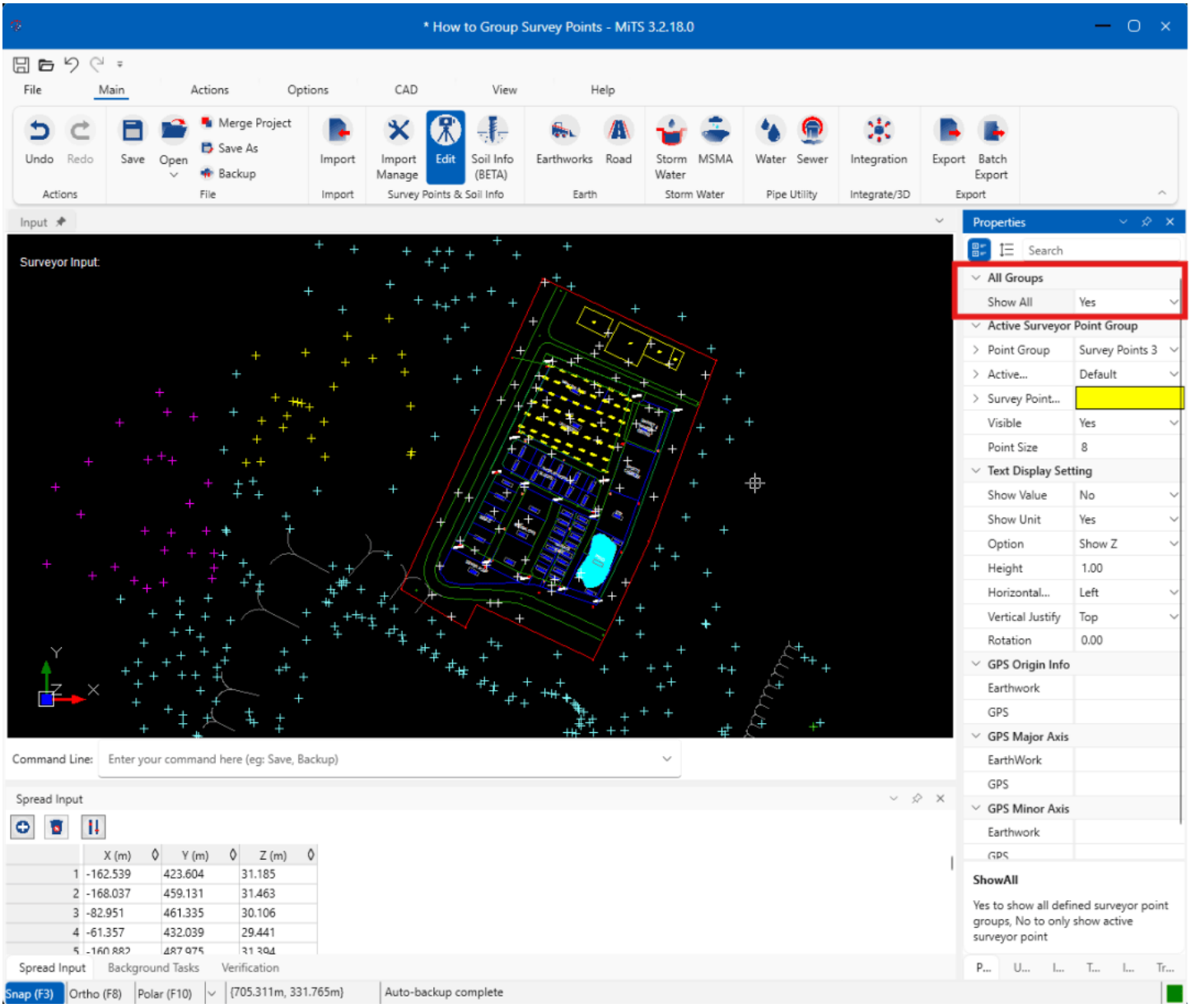
4. At the properties tab on the right side, the active Survey Point Group shows Survey Points 3. Notice that the survey points assigned under Survey Points 3 are in yellow colour while the other survey points are in red colour indicating they are not active as the tracing drawing is turned on.



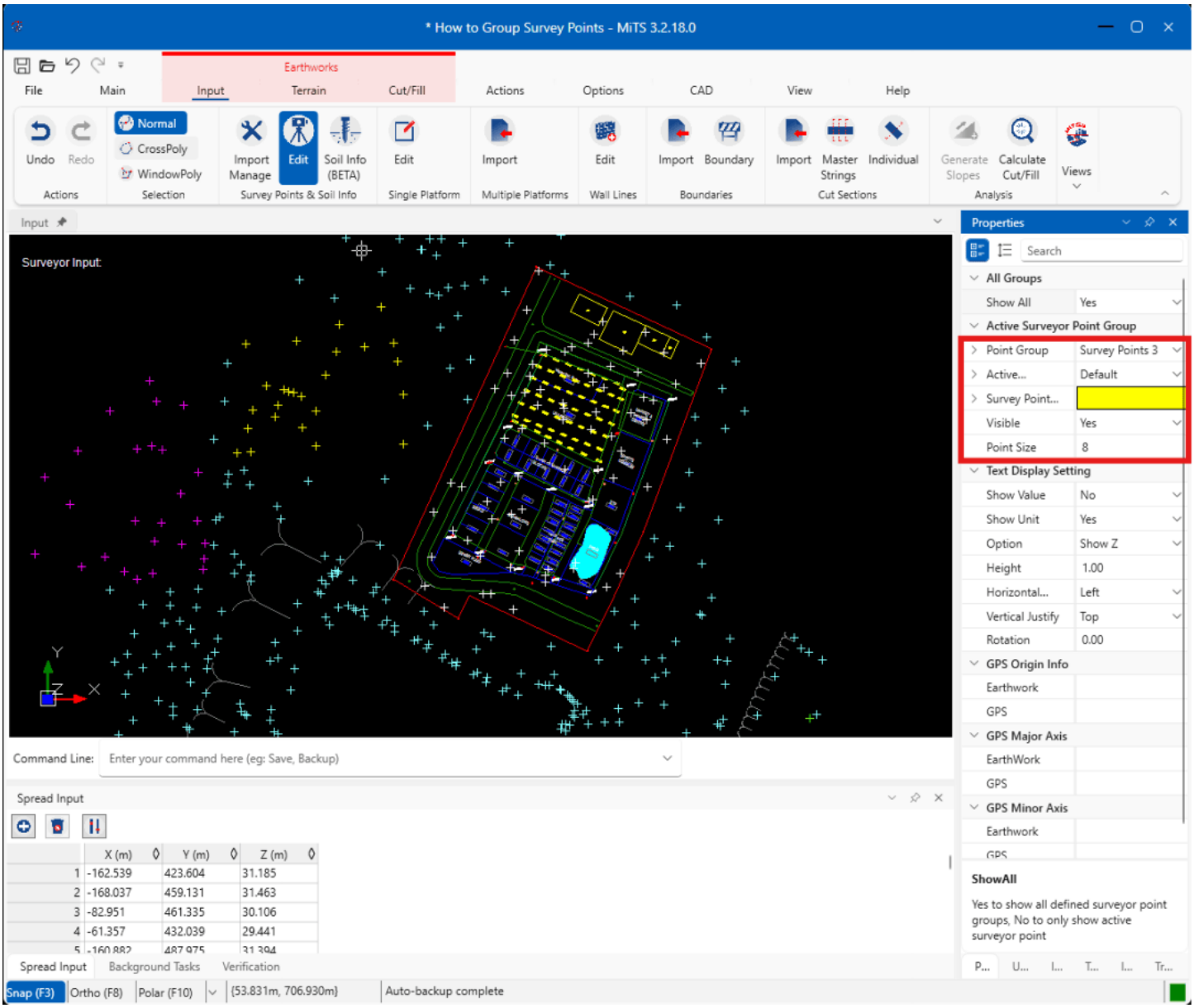
5. To turn off the tracing, go to the *Tracing tab at the right side > untick the "Show tracing"*. Notice that only Survey Point 3 Group is visible.



6. After assigning the survey points, you may choose to show all groups or just a particular group. To show all groups, go to *Properties tab > All Groups > Show All > change "No" to "Yes"*. Note that even though all survey points are shown, only Active Surveyor Point Group can be edited.



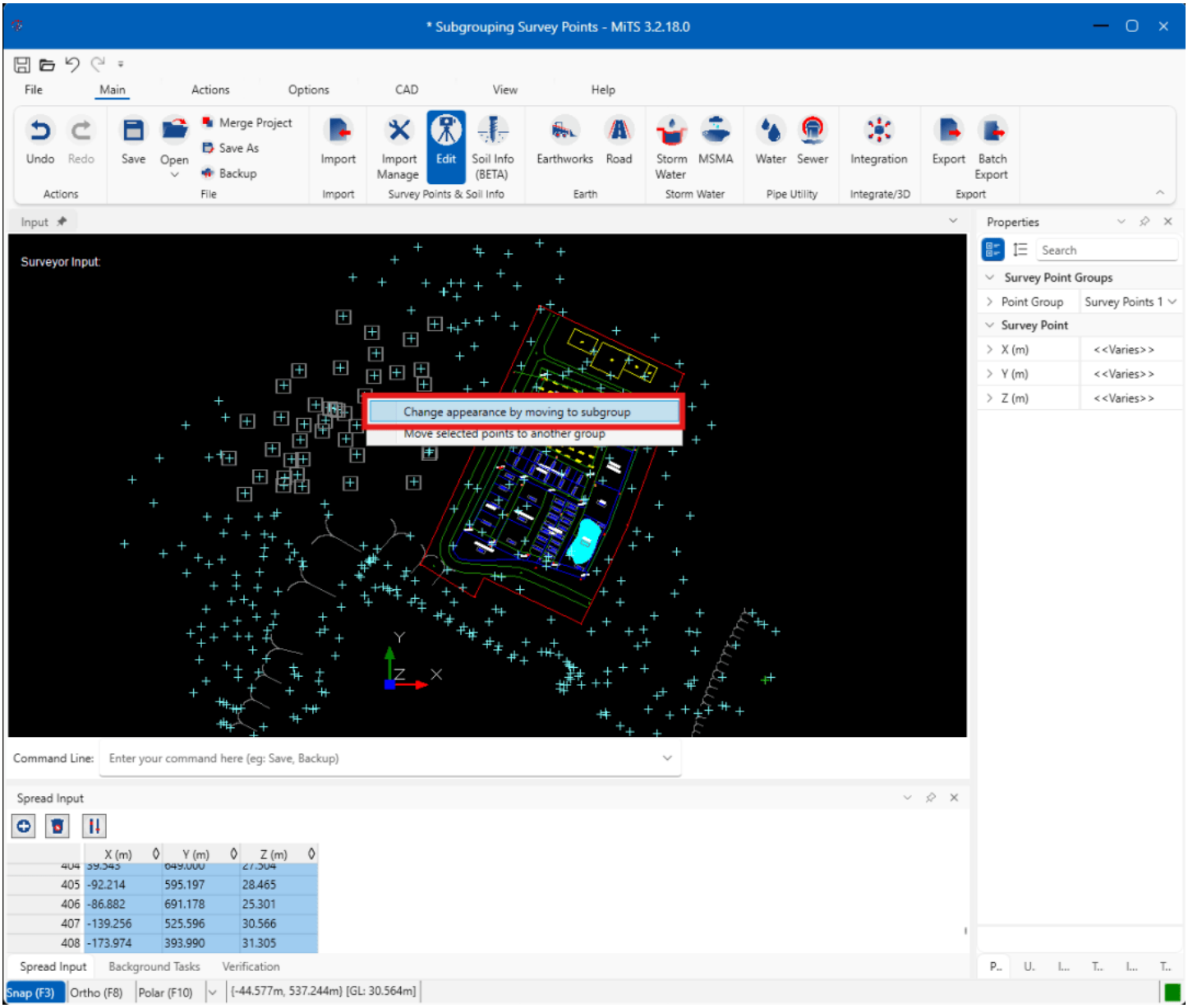
7. To change the active group, go to the *Properties tab > Active Surveyor Point Group > Point Group > Change to desired Survey Point Group*. The colour of each group survey points can also be assigned at this tab.



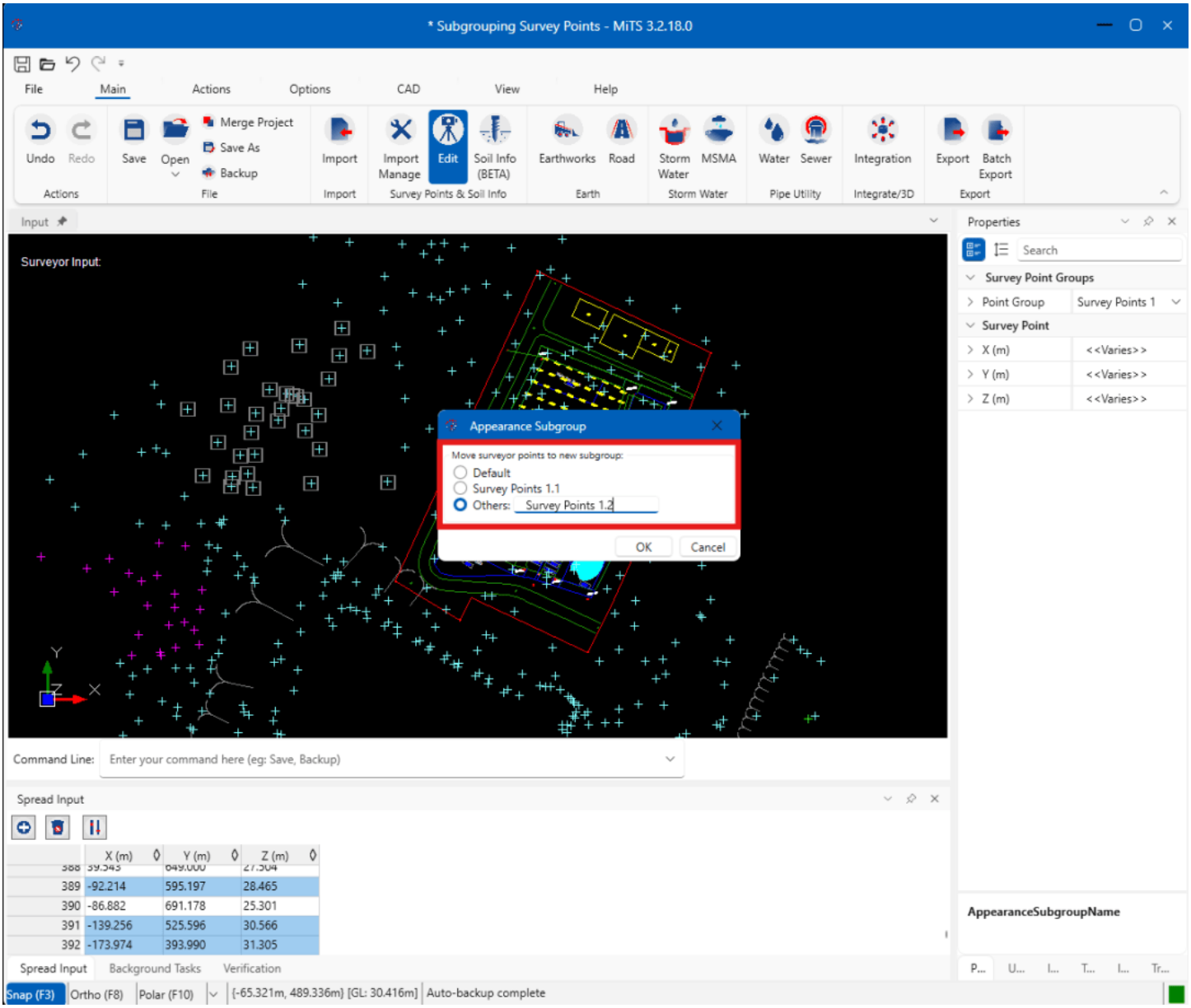
Step to assign survey points to subgroup

Another new feature in MiTS 3 includes assigning the survey points to subgroups. Users can change the appearance of certain survey points without assigning them to different groups. Note that subgroups are only for differentiating the survey points by appearance and will not be differentiated in the cut and fill calculation.

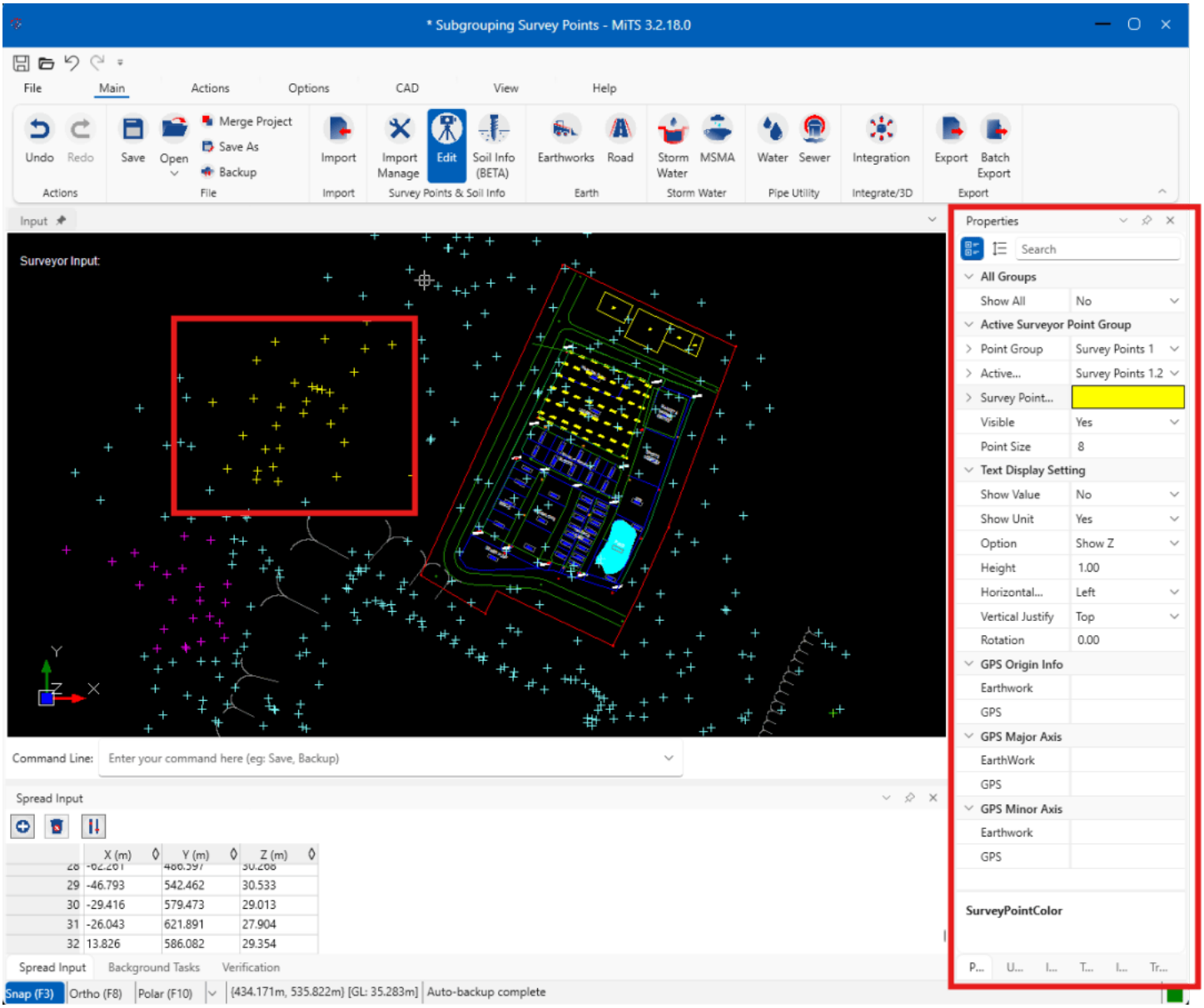
1. To assign the survey points to a different subgroup, *select the points > right click > click "Change appearance by moving to subgroup".*



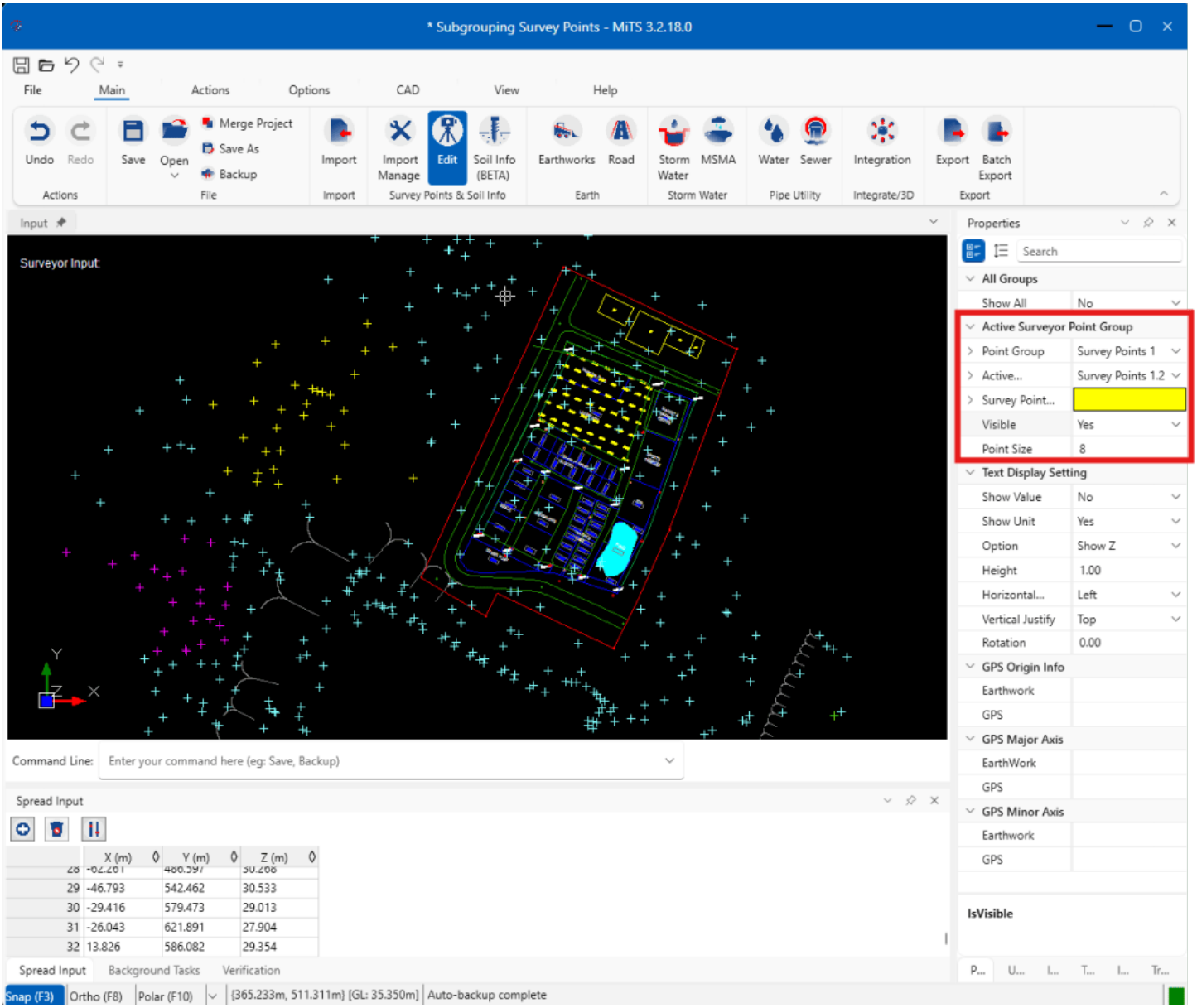
2. Then, “Appearance Subgroup” dialog box will pop up. The choices of Survey Points Subgroup or to create a new subgroup (Others) will be given as per the image below. In this example, “Others” will be chosen and named as “Survey Points 1.2”. Then, click “OK” and the selected points will be assigned to another subgroup. Note that “Default” is the origin subgroup of the survey points.



3. At the properties tab on the right side, the active subgroup can be changed accordingly. Notice that the survey points assigned under Survey Points 1.2 are in yellow colour while the other subgroups are in other colours.



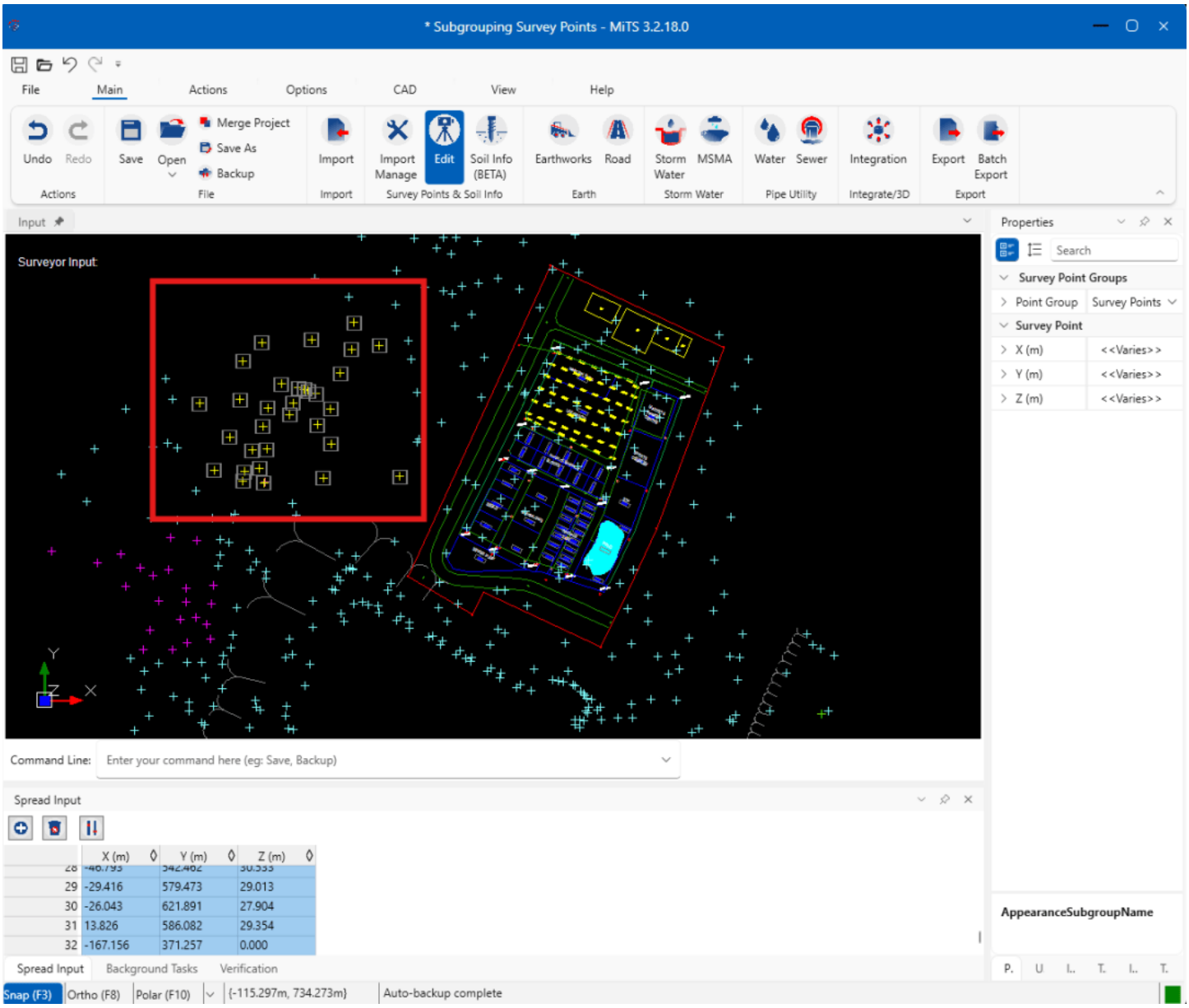
4. To change the active subgroup, at the *Properties tab > Active Surveyor Point Group > Active > Change to desired subgroup*. Under this tab, you can also assign the colour of the survey points. Notice that even though the ‘Show All’ tab showed “No”, all the points under different subgroups are still visible compared to when we assign the points to different groups. Also note that even though all survey points are shown, only Active subgroup can be edited.



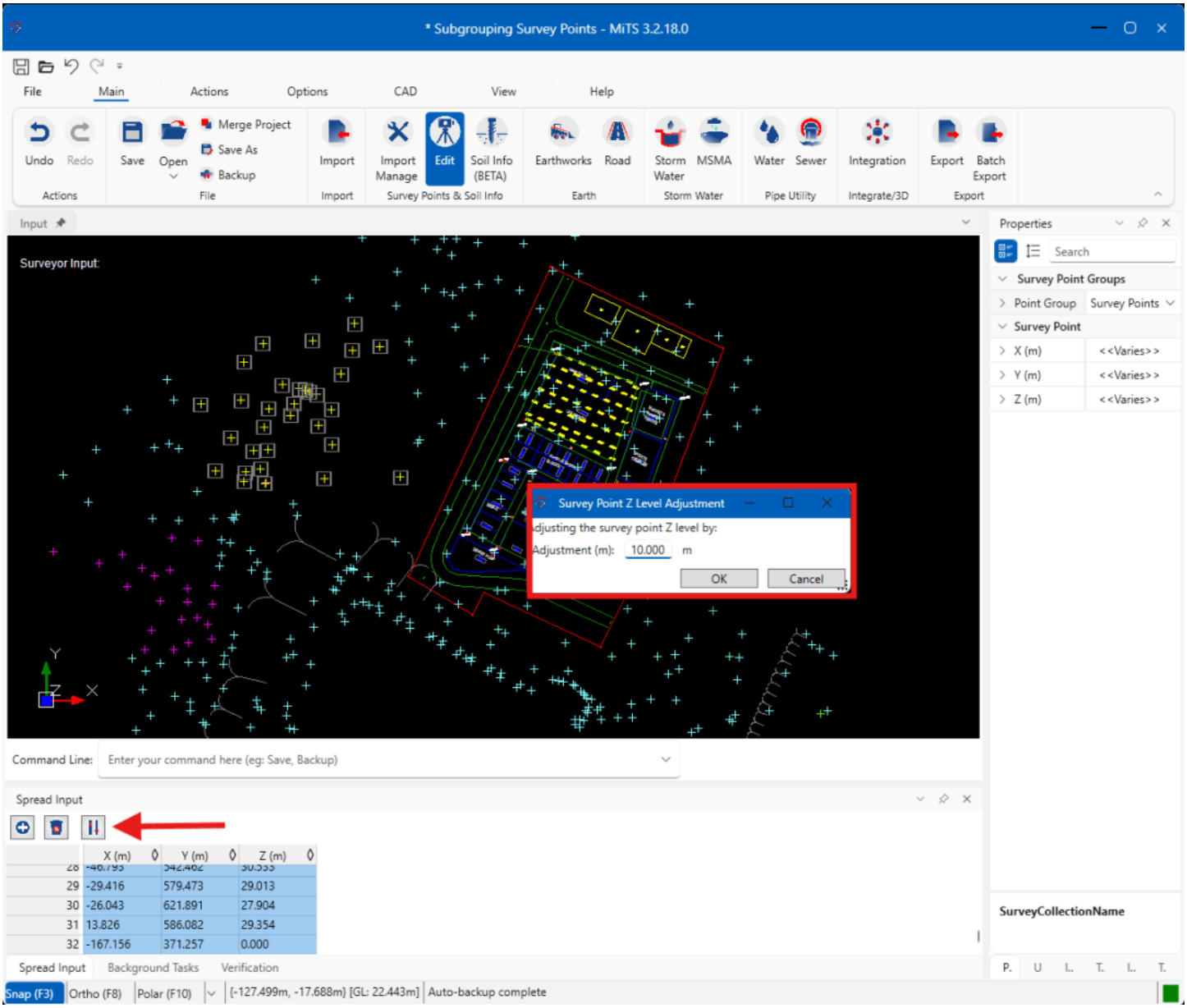
Step to move survey points in groups along the z-elevation

After assigning the survey points to groups, users are also able to move the points according to the desired z-elevation.

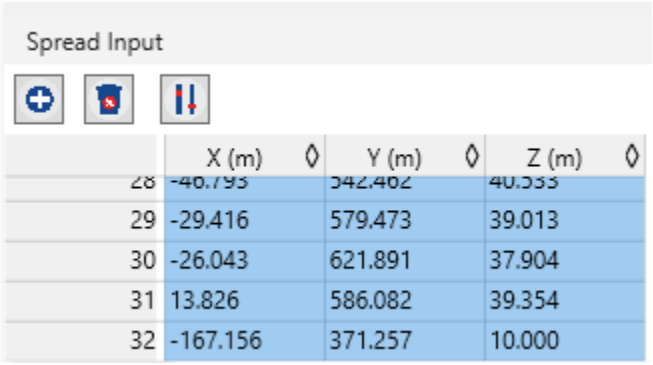
1. To change the z-elevation of the survey points, select all the points under the subgroup Survey Points 1.2 or just certain points required for the changes.



2. Then, click the **Translate Selected** dropdown at the Spread Input toolbar and choose “Adjust Survey Point Levels…” (refer image below) and the “Survey Point Z Level Adjustment” box will pop up. At the “Adjustment (m)” value, we need to input a positive value to increase and negative value to decrease the Z level. Then, we can click “OK”. See **Spread Input** for the full list of Translate Selected/Rotate Selected options.



3. When we input 10.000 m to increase the z level, notice that the values of Z (m) at the spread input are increased by 10m for all the highlighted points.



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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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