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- when it has to be **right**

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# Building a Third-party Code List in Infinity to use in Leica systems:

Often, it is necessary to import a code list from a **third party/external system** into Leica Infinity. The following will outline steps in doing so:

1. The pre-requisite is to ensure the **third-party** code list is in a .csv file with a description key listed as shown.



2. The most important aspect is to make sure you can isolate the *code* and *description* columns. It is recommended that Microsoft excel is used for this process for simplicity sake.

3. Add in additional columns of: *Point ID, Northing, Easting, Height.*

   Note: Ensure point ID is unique, however Northing/Easting and Height can be identical

   Save the CSV file.



4. Open up a new Project in Infinity with default settings.

![Spatial Technologies logo]

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5. From the <home> tab, select *Import* and make sure ASCII is selected as import file type.



6. Navigated to the saved CSV that was created in step 4. A new ASCII import template is required.



7. Give the template a name (e.g. Code Table), and ensure that the *Column Separator* is set to ","

8. The rest of the *Settings/Attributes* can be left alone as this is just an example to create a code table.

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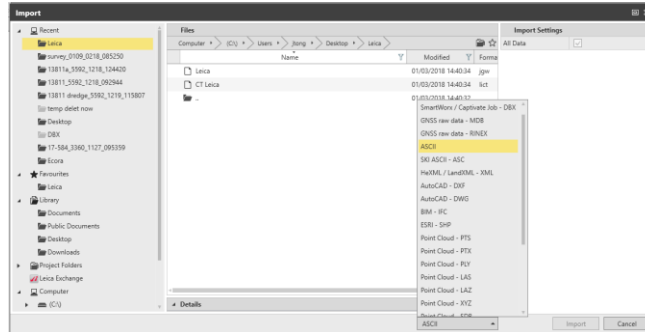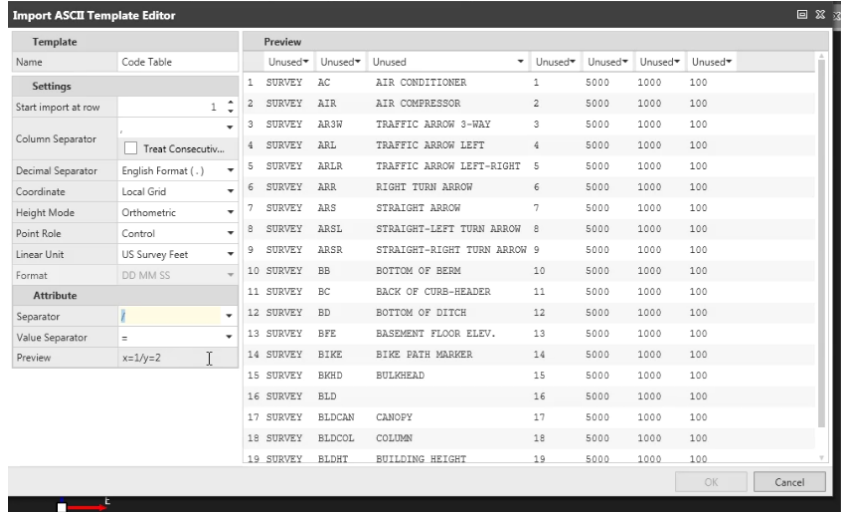16304 111 Avenue
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9.  Designate each column as *Code Group, Code, Code Description, Northing, Easting, Ortho, and Point ID.*

    Press <OK>



10. Select the csv file and check to see the active template is selected and press <Import>



11. Once imported, because the point ID are identical it will appear as if there's a stack of points as shown

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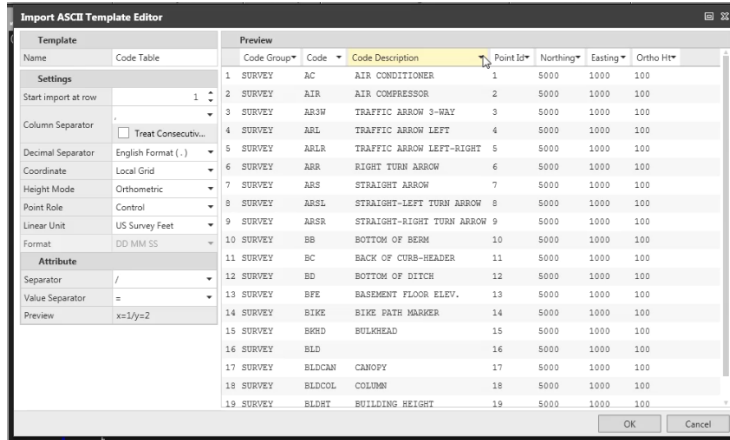Calgary, AB T2G 5N6
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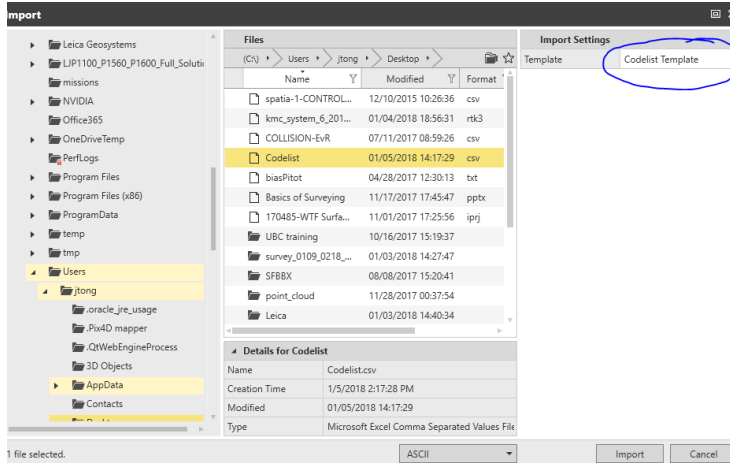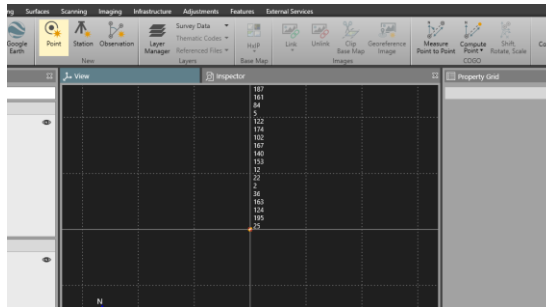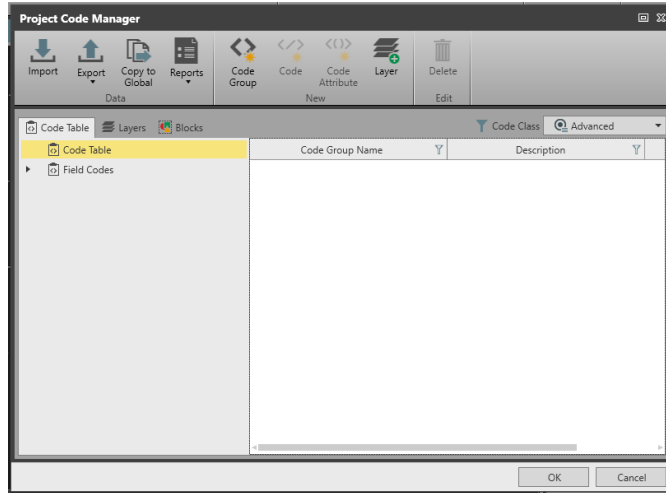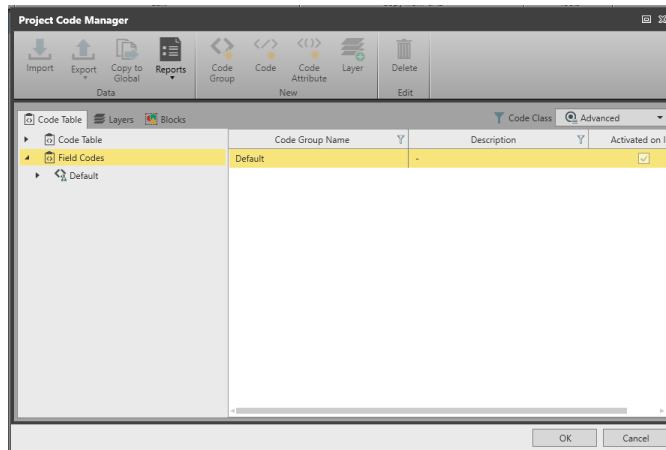#10, 3671 Viking Way
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12. Navigate to *Features* tab, and click on <Code Manager> to go into *Project Code Manager*.
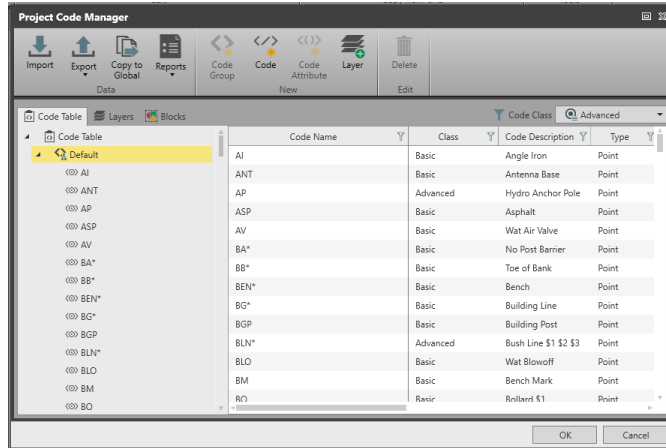


13. Under *Code Table* tab, highlight the **Field Codes,** and select the group(s) under the Code Group Name column, and press ***<Ctrl> x*** on your keyboard.
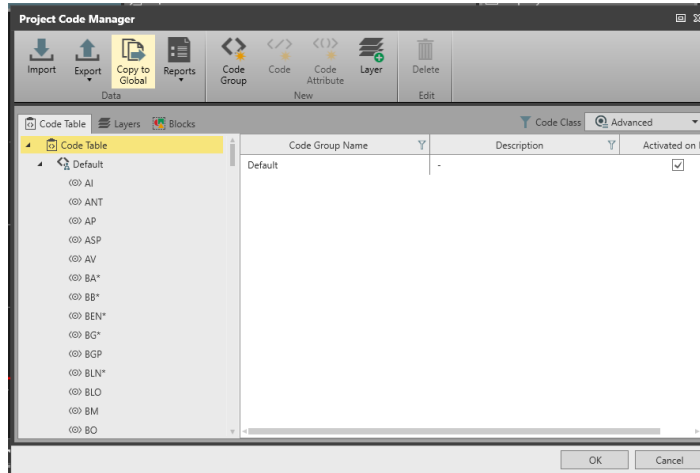


14. Highlight **Code Table,** and press ***<Ctrl> v***

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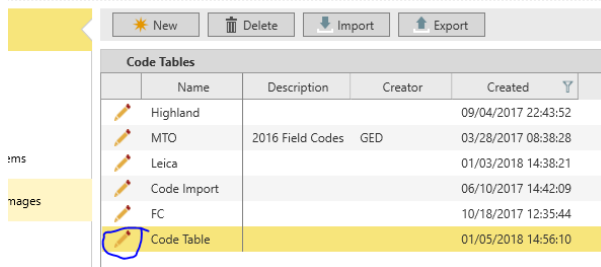**Spatial Technologies Technical Support: 1(855)414-9453**

15. Verify by expanding Code Table, to ensure "Default" code group name is available.  Further expanding will show all the codes.



16. Lastly, highlight **Code Table** again, and select the <Copy to Global> button.



17. Close the Project Code Manager, and navigate to <File> tab, *Tools, Code Tables* to verify that the newly created Code Table. Selecting the editing tool (pencil icon) to crosscheck all the codes that are available.



18. Using the <Export> button, the codelist now can be exported a SmartWorx/Captivate job various HeXML, Flexline job, and other Infinity jobs.