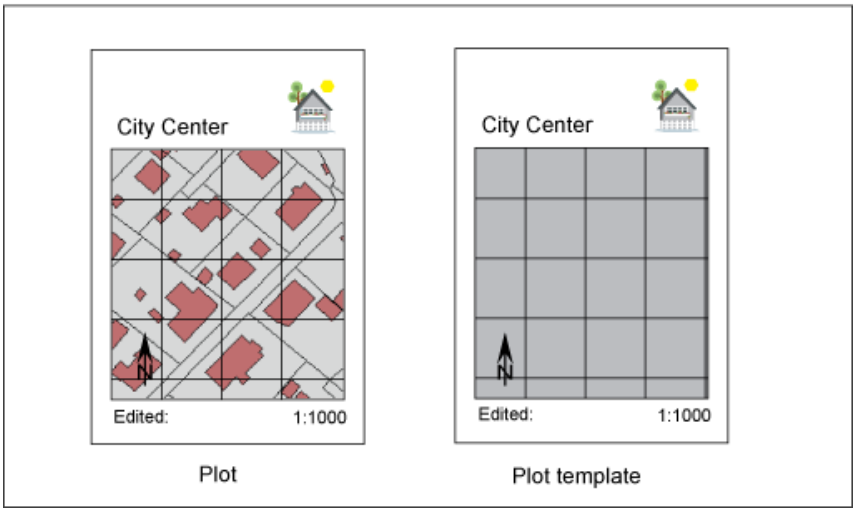
Plot Tutorial 1

Working with Plots

NOTE This tutorial requires a workspace with one document. Your administrator can create a workspace WS_Land_102, and import the land sample data provided in Topobase 2010. Exercise 1 describes how an administrator sets up the plot environment, and plot enables the document. We will be using the same display model repository as in the Display Model tutorial. If you are not familiar with display models, we recommend that you run through the Display Model tutorial first.

Topobase uses a Plot library that stores your plots and plot templates in the database so that you can print your maps consistently and keep up to date.



Plot—A plot definition contains the settings for sending a map to a plotter. It specifies the printer, paper size, and display model for the plot. It defines elements such as a map placeholder, legend, north arrow, and scalebar. A map placeholder is a frame that designates where a specific area of a map is shown in the plot. Each time you print the plot, the content of the map placeholder - your GIS data - will be refreshed, showing what is currently stored in the database without changing any plot settings. You can create a plot either from a blank sheet, or you can use a plot template.

Plot Template—A plot template lets you specify some settings for all the plots that use that template, while any unspecified settings can be set at plot time. For example, you can specify the paper size, and elements for the plot, but each individual plot can specify the printer to use and the insertion point and rotation for the map placeholder.

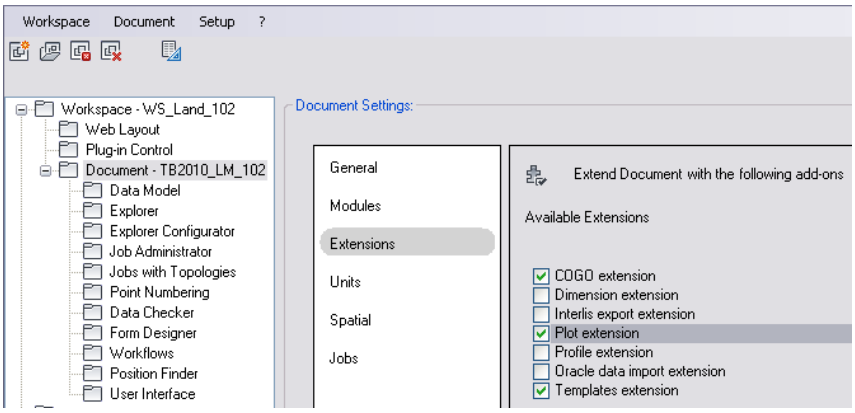
Exercise 1a: Set Up Plotting

NOTE These procedures are performed by an administrator.

Before you start to create and print a plot or a plot template, you set up the system, and you provide layouts and templates. In this exercise you will:

- Plot-enable the Land sample data.
- Create an explorer group.
- Set the Plot Administrator options.
- Specify that for each Generate Graphic the current drawing will be closed, and a new drawing will be opened.
- Populate a domain table with scale values.
- Provide some folders in the Plot Library to store the plots and plot templates of this tutorial.

1. Start Topobase 2010 Administrator and open the workspace containing Land sample data.
2. In the Administrator explorer, on the left, select the document. Under Document Settings, click Extensions.



3 Notice that the COGO extension, and the Template Extension are already selected. Select Plot Extension. Click Save.

4 In the Update Modules And Data Models window, click Update. Click Close.

5 In the Administrator explorer, under the document node, click Explorer.

6 Create a new Explorer Group. Enter the name Tutorial Admin. Click OK.

7 Under the explorer tree, select all items, including the Plot topic. Click Save Tree to save the explorer group.

As an administrator, you will use this explorer group to edit the plot feature classes in Topobase Client. Later, as a Client user you will need this explorer group; you will use the Plot Explorer instead.

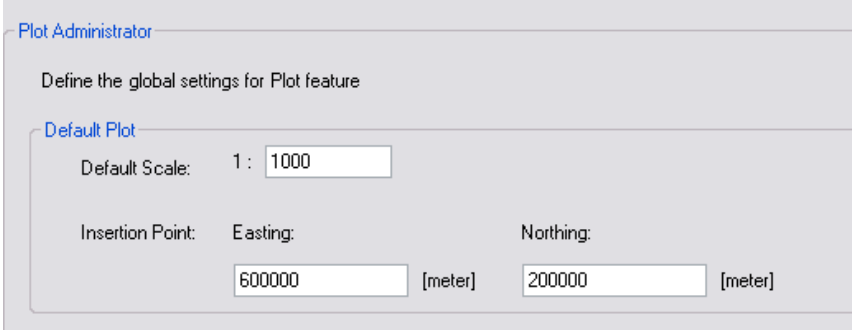
8 In the Administrator explorer, under the document node, click Plot.

9 Under Plot Administrator, enter the default scale and insertion point. The insertion point must lie within the spatial extents of your document.

- Default Scale: 1000.
- Easting: 600 000 m.
- Northing: 200 000 m.

The purpose of these settings is to enable the system to draw the initial plot layout - the blank sheet- in Model space. These settings are not related to the real map insertion point you will be using when you define a plot.

Leave Island Map Settings as they are. Click Save. We will use the Island Map Settings later in Exercise 7.



10 Exit Topobase Administrator.

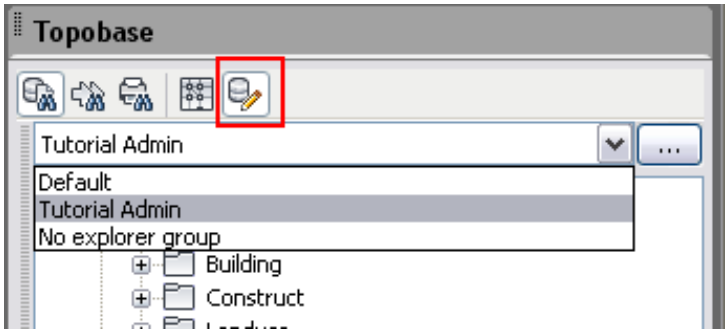
11 Start Topobase 2010 Client and open the workspace containing the Land sample data.

12 In the ribbon, click Settings tab ➤ Setup panel ➤ Application Options.

13 In the left pane of the Application Options window, click the Generate Graphic node.

14 In the Display Model area, make sure that Close Current Drawings is selected. This is the default selection. Click OK.

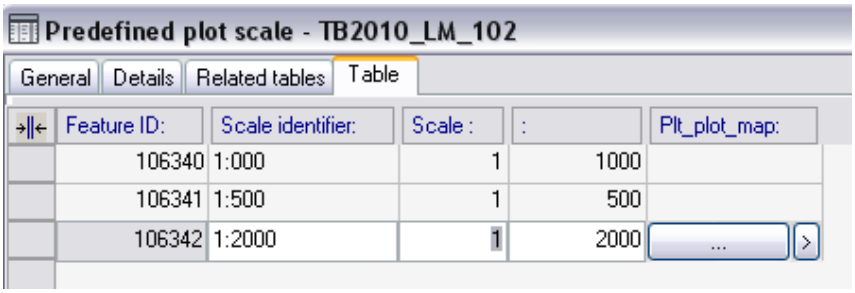
15 In the Topobase pane, click the Groups icon, and select the Tutorial Admin group.



16 In the document explorer, expand the Plot topic, and the Plot feature class. Right-click Predefined Plotscale, and click Show Form.

17 In the form, click the Details tab. On the form toolbar, click New Record. Enter the Scale Identifier, and the scale values for 1:1000, 1:500, 1: 2000, and 1:5000.

When you capture a map, you can select the scale from this list.



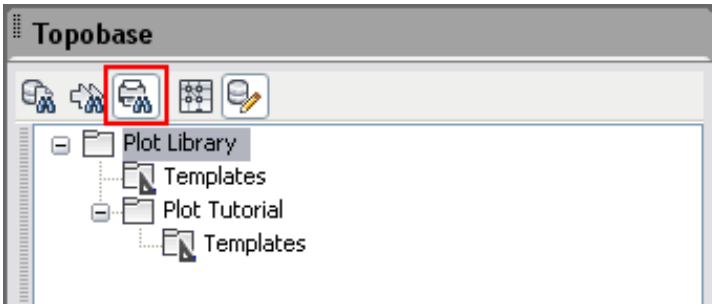
18 Close the form.

19 In the Topobase pane, click Plot Explorer  .

The explorer shows the basic structure of your plot library.

20 Right-click the Plot Library node, and click Create New Folder. Enter the name Plot Tutorial.

21 Right-click the Plot Tutorial folder, and click Create New Template Folder. Notice the Template icon, and that the folder is automatically named Templates.



22 In the Topobase pane, click Document Explorer.

Exercise 1b: Display Models

Plotting requires at least two separate display models, one for the plot layers, and one for the GIS layers. Along with this tutorial, we provide display models

to use for the exercises. Your administrator can copy these display models to your display model repository.

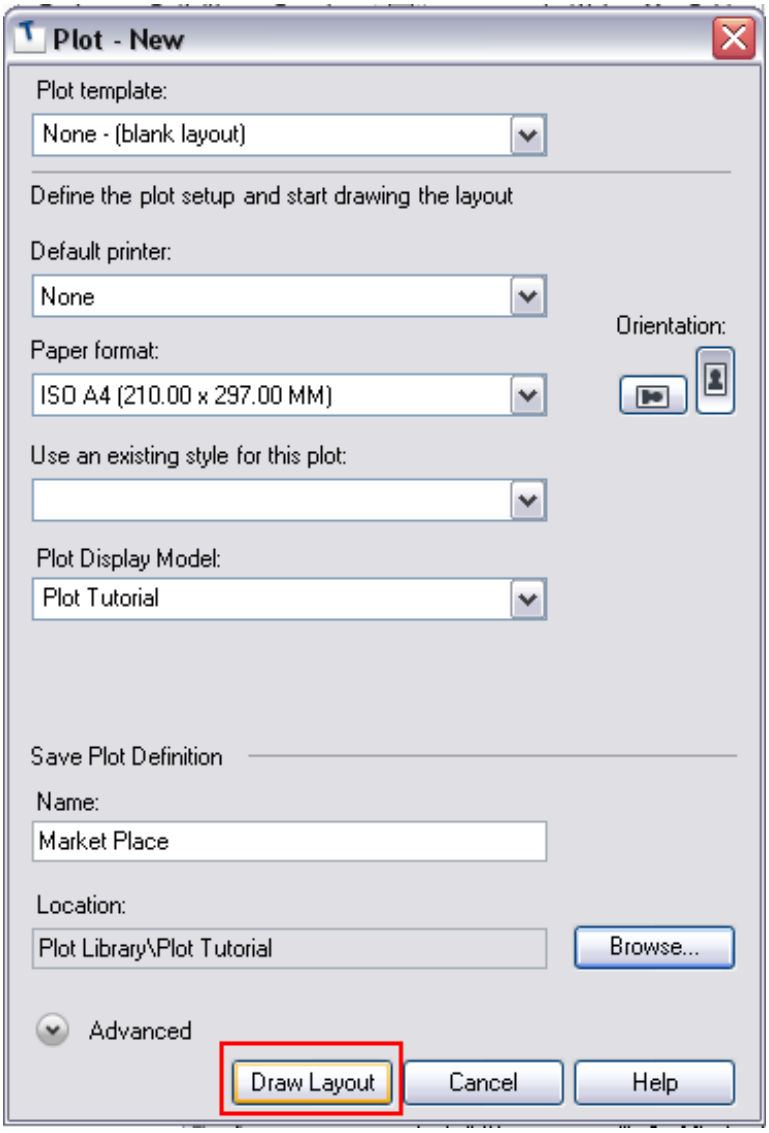
- LandTutorial: LandTutorial.tbdm
- PlotTutorial: PlotTutorial.tbdm
- PlotIslandMapTutorial: PlotIslandMapTutorial.tbdm. This is for your reference. In Exercise 7 you will create a display model for island maps.

Exercise 2: Create and Print a Plot

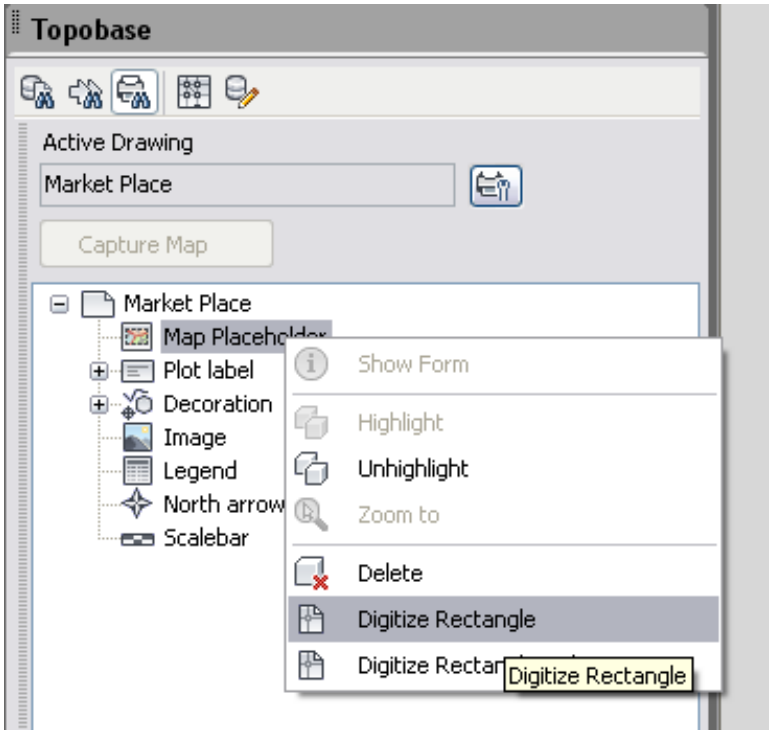
A plot consists of plot components (plot layers) and GIS data (GIS layers). When you do not use a plot template, for each plot you need to specify settings, such as scale, area of the map, north arrow, and scale bar. This exercise introduces these plot elements. In a later exercise you will create a Plot template that specifies the elements that are used for all plots that use that template. In this exercise you will:

- Create a plot 1:1000.
- Add a label, a grid, a north arrow, and an image.
- Modify and adjust the plot layout.

1. In the ribbon, click Output tab ➤ Plot panel ➤ Plot New Definition. Notice that in the Topobase pane, the Plot Library is shown.
2. Specify the plot, and enter the following values:
   - Template: None.
   - Printer: None. You need to set the printer to None in order to be able to select the right paper format.
   - Paper Format: ISO A4 (210.00 x 297.00mm)
   - Orientation: Click Portrait.
   - Under Plot Display Model, select Open Display model, and select PlotTutorial\Plot Tutorial.tbdm.
   - Enter a name: Market Place. Notice that the Draw Layout button is now activated.
   - Under Location, browse for the Plot Tutorial folder.



3 Click Draw Layout. The Model space displays a blank sheet. The Topobase pane displays the Plot editor. Notice that the Display Manager has loaded the Plot layers.

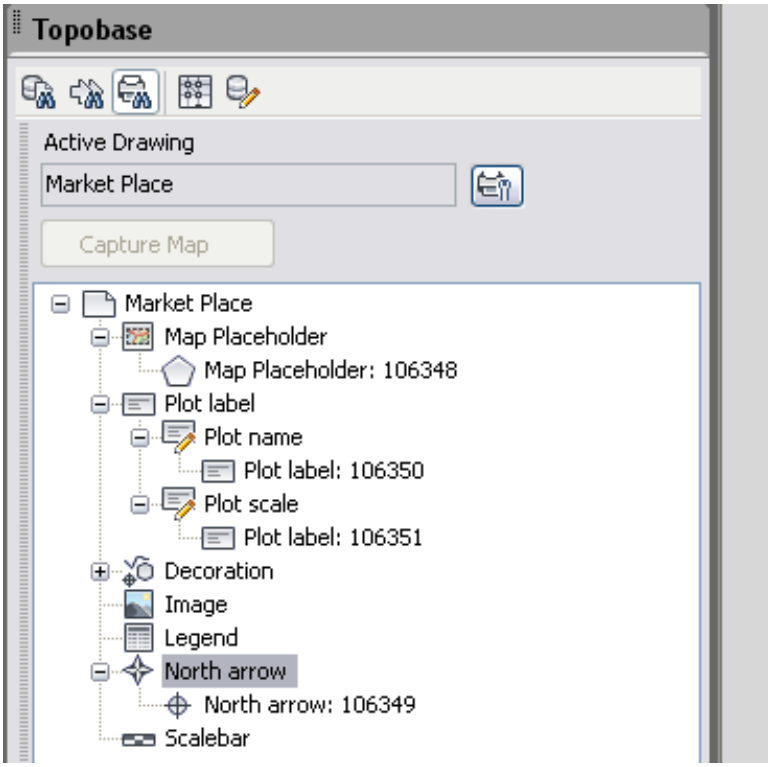


4 Right-click Map Placeholder and select Digitize Rectangle. Follow the instructions in the AutoCAD command line. We will later adjust the position of the plot elements.

5 Right-click North Arrow and select Digitize Point. Press <ESC> to finish digitalization.

6 Expand Plot Label, right-click Plot Name and select Digitize. Follow the instructions in the AutoCAD command line.

7 Right-click Plot Scale and select Digitize. Follow the instructions in the AutoCAD command line. Notice that the plot elements are added to the explorer tree.



8 Right-click Image and select Digitize Point. Press <ESC> to finish digitalization. In the sample Plot display model, the default image is represented as a red triangle. We will add more image types Exercise 3.

Until now, we have prepared a ISO A4 sized sheet of paper to be printed where the map placeholder is a frame that designates where a specific area of a map is shown in the plot in a specific scale. We will now select that area of the map.

1 In the Plot editor, select the map placeholder. Notice that the Capture Map button is activated. Click Capture Map.

2 Under Map Style, select the display model Land Tutorial. Click Generate.

3 If your GIS data is not visible in the viewport, in Display Manager, select a layer, such as LM_Building, right-click, and click Zoom To Extends.

NOTE If other drawings are open, and no display model is selected, click <Ctrl> + <TAB> to switch between your drawings. Notice that for each drawing, the Display Manager shows the related feature layers. Notice that in the Capture Map Settings dialog box, the insertion point is adjusted.

4. Under Map Insertion Point, click Select, and click the insertion point.
5. Click Save Capture.
6. Click Close to quit the edit mode. Notice that the plot has been added to your Plot Library. Select the plot, and click Preview to see the Layout. Notice that the Preview is shown in the Layout tab.

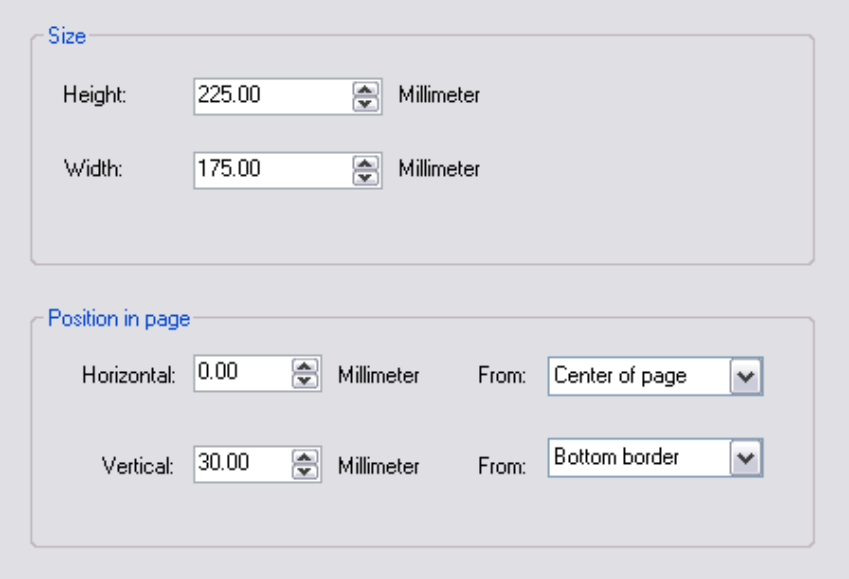
You will now edit the plot to adjust the position of the digitized elements to match exact values.

1. In the Plot Library, select the plot. Right-click, and click Edit. Notice that the Topobase pane displays the plot explorer, and the drawing shows the plot elements in Model space.

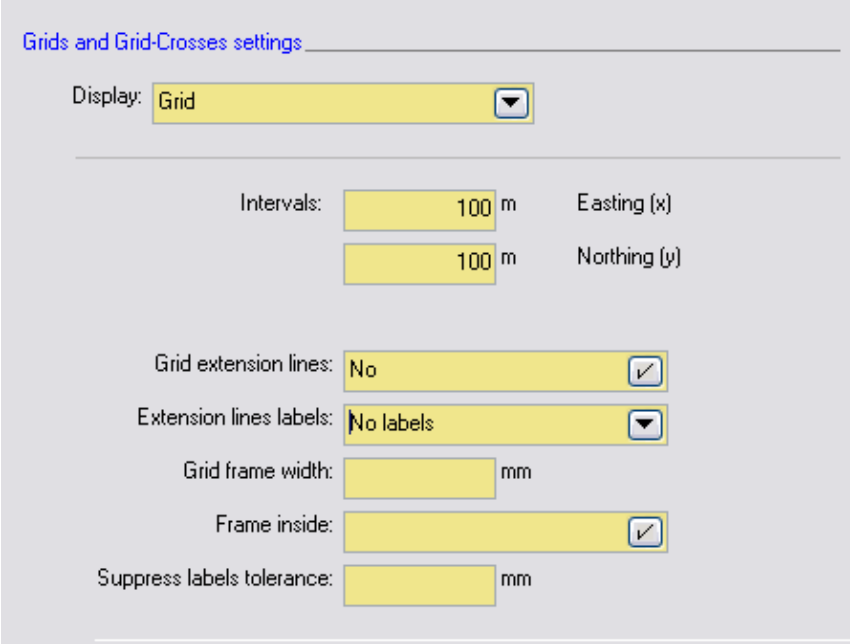
   You can edit the plot elements either in the drawing by editing the geometry, or using forms. To open the forms, do one of the following:

   - Select the plot element in the drawing. Double-click.
   - Select the plot element in the drawing. Right-click, and click Attributes.
   - Select the plot element in the drawing. In the ribbon, click Home tab ➤ Quick Access panel ➤ Attributes.
   - Select the plot element in the plot explorer. Right-click, and click Show form.

2. In the drawing, select the map placeholder, and double-click.
3. In the Map Placeholder form, click the General tab, enter the size of the placeholder. Under Size, enter Height: 225 mm, and Width: 175 mm. Under Position In Page, for the horizontal position, select 0 mm from Center Of Page, and for Vertical, select 30 mm from Bottom Border. These values are related to the Paper format.

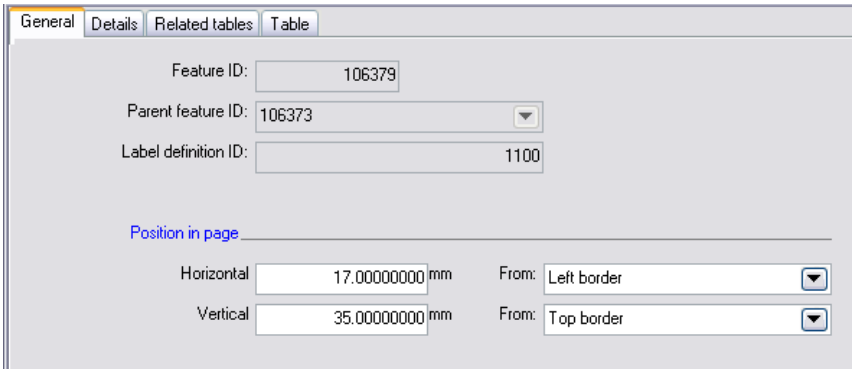


4 Click the Details tab. For Display, select Grid, and enter the grid intervals for Easting and Northing: 100 m. Click Update & Close.



5 In the drawing, select the plot name, and double-click.

6 In the Plot Labels form, click the General tab. Under Position In Page, specify the position of the label related to the sheet. For Horizontal, select 17 mm from Left Border, and for Vertical, select 30 mm from Top Border. Click Update & Close.



7 Click Close to quit the edit mode.

8 In the Plot Library, select the plot, and click Plot. Select the Printer, and enter the Plot Offset values. Click OK to send the plot to the printer.

Exercise 3: Customize the Layout

For the image and the north arrow, you have digitized point features, whose representation is determined by the Plot display model. You can configure the display model to display any symbol or AutoCAD block. Besides, you can provide different types of images, north arrows, legends, or scale bars for each scale, to be selected when you create your plot or plot template. In this exercise you will:

- Provide different types of images, such as your own company logo.
- Adjust the display model to represent the different types of images.
- Replace the default image by your logo.

1 In the Topobase pane, click Document Explorer. Expand the Domains node.

2 Right-click Plot Image Type, and select Show Form.

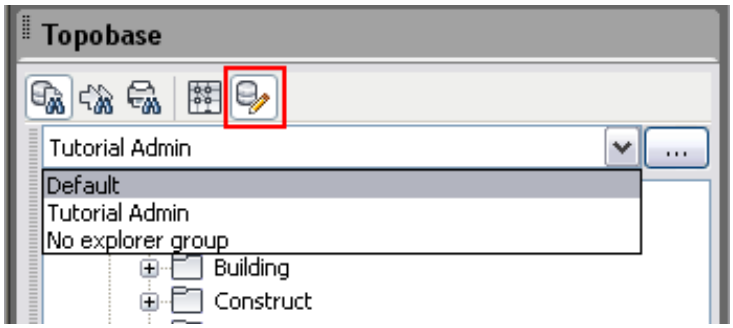
3 In the form toolbar, click Remove Filter.

4 Click New Record. For the new record, ID = 2, enter the Short_Value, and the Value: Topo; Topobase. Click Insert.

5 Click New Record. For the new record, ID = 3, enter the Short_Value, and the Value: Comp; Company. Click Insert.

6 Close the form.

7 In the Topobase pane, select the Default explorer group. Notice that the Default explorer group does not display the Plot topic.



8 Click Groups to hide the explorer selector.

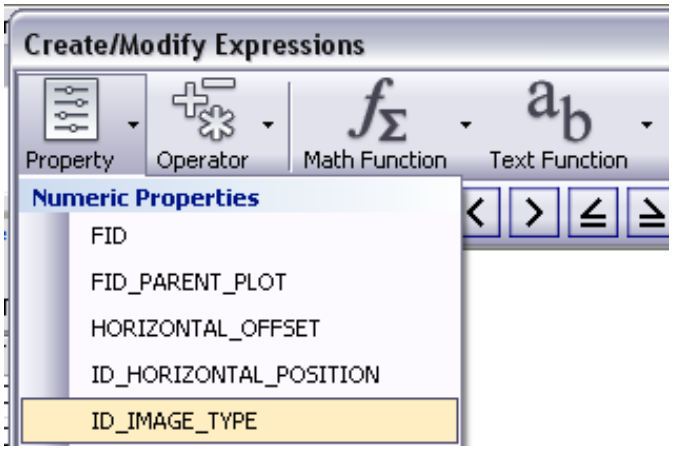
9 In the ribbon, click Home tab ➤ Display panel and select the Plot Tutorial display model. Click Generate Graphic.

10 If prompted, whether to save changes, click Discard. The drawing displays the plot elements in Model space. In Display Manager, the Plot layers are loaded.

11 In Display Manager, select PLT_PLOT_IMAGE, and click Style.

12 In the Style Editor, under Point Style, select the Default definition, and click Duplicate.

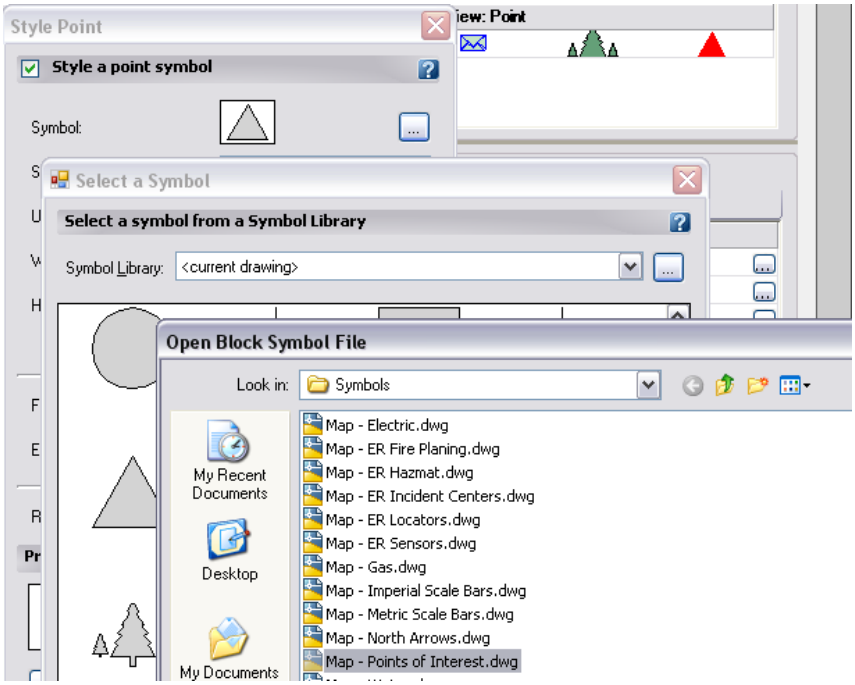
13 In line 1, click the area under Thematic Rules. In the Create/Modify Expressions dialog box, click Property, and select ID_IMAGE_TYPE. This value refers to the Plot Image Type you have edited before.



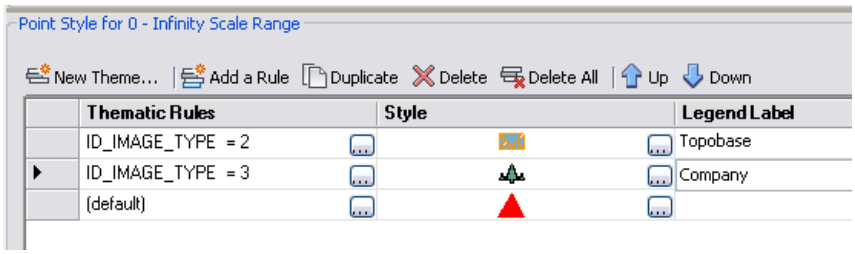
14 Enter the expression *ID_IMAGE_TYPE = 2*. Click Validate, and if the expression is valid, click OK.

15 Under Legend Label, enter Topobase.

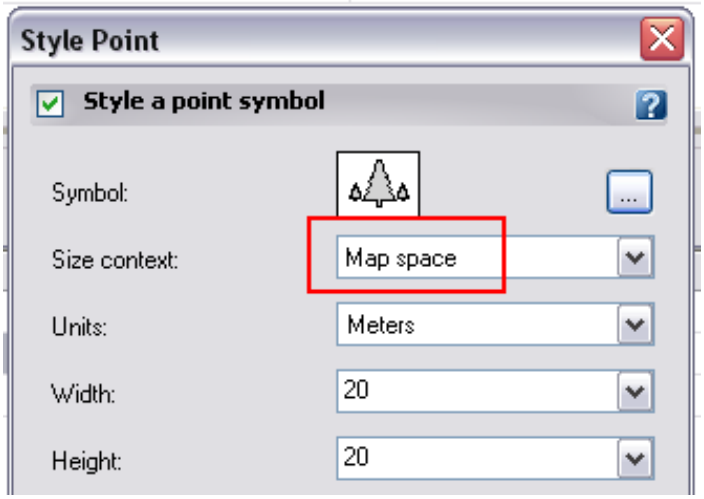
16 Click the area under Style, and select the symbol from your symbol library, for example from an AutoCAD Symbol Block File <topobase_client>\Sample\Symbols.



17 Add another thematic rule for the company logo ID_IMAGE_TYPE = 3.



18 In the Style Point dialog box, under Size Context, use Map Space. For a base scale of 1:1000, enter 20 Meters to draw a symbol of 20 mm height.



NOTE You can use a Calculation to style a symbol size that is fixed for all scales. In exercise 5 you will style a symbol size using a Calculation.

19 Click OK to close the Style Point dialog box.

20 Click Apply, and close the Style Editor.

21 Be sure to save the Tutorial Plot display model, consisting of one map. In the ribbon, click Home tab ➤ Display panel ➤ Save Display Model.

NOTE Follow the same procedure to add more types of north arrows (Plot North Arrow Type domain), legends (Plot Legend Type domain), scale bars (Plot Scale Bar Type domain).

You can replace the default image by one of the images you have styled previously.

1 Click Plot Explorer. In the Plot Library, select your plot.

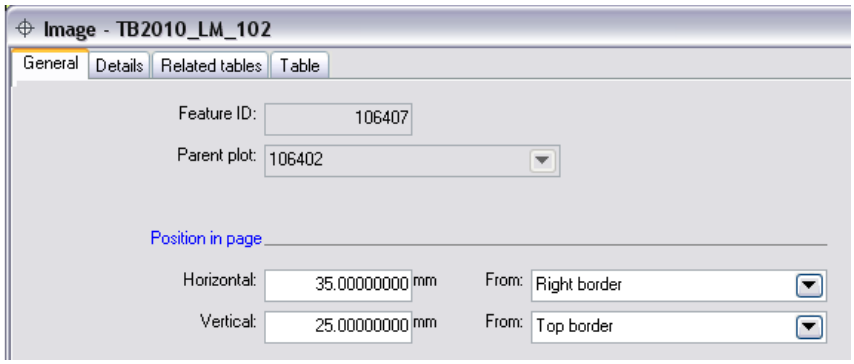
2 Right-click, and click Edit.

3 In the drawing, double-click the image.

4 In the Image form, click the Details tab. Select the Image Type, such as Company. Click Update. Notice that in the drawing, the image is updated.

You can adjust position of the image by entering relative values in the form.

5 In the Image form, click the General tab. Under Position in Page, For Horizontal, enter 35 mm from Right Border, and for Vertical, enter 25 mm from Top Border. Click Update & Close.



6 Close Edit mode.

7 Quit Topobase Client; click No when prompted to save changes.

Exercise 4: Add a plot label

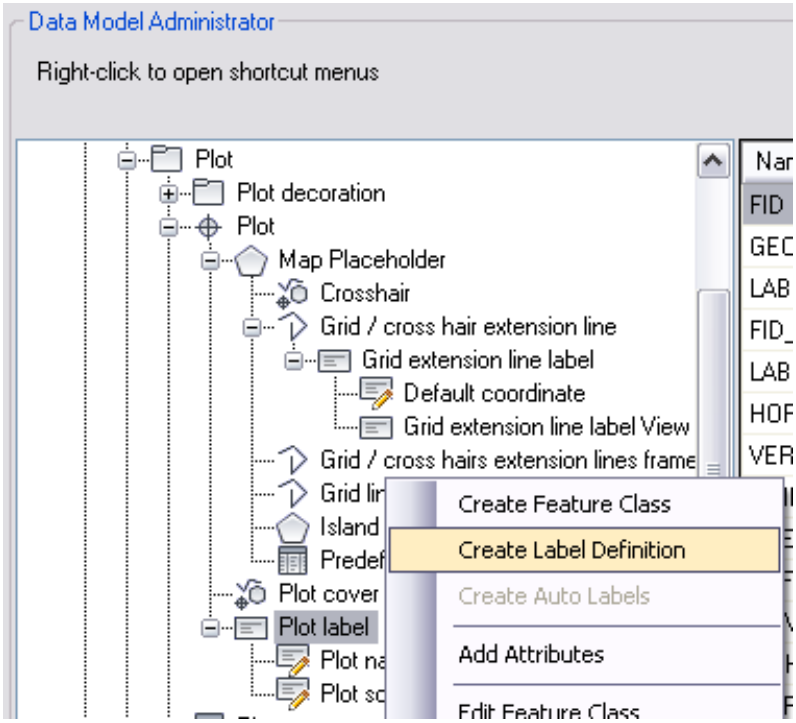
A plot layout can contain static and dynamic labels. For example, the Plot Labels describe content that is stored in the database, such as the name, or the scale (PLT_PLOT.PLOT_NAME, PLT_PLOT.SCALE). When you change the name, the label is updated automatically.

You can define additional plot specific text to be added to your plot layout. In this exercise you will create a label definition to describe a comment, such as “For internal review”.

1 Start Topobase Administrator, and open the workspace.

2 In the administrator explorer, select Data Model.

3 In the data model explorer, expand the Plot topic, and the Plot Label feature class. Right-click Plot Label, and click Create Label Definition.



4 In the Label Properties dialog box, under Name, enter “Plot label: Review”.

5 Under Content To Display (Select Statement), replace the default entry by the following: `SELECT 'For internal review' FROM DUAL`. Note the label ID that is displayed in the title of the dialog box. You will need the ID when you define the label stylization.

6 Under Positioning, select User Selects The Label Position.

7 Click OK. Exit Topobase Administrator.

8 Start Topobase Client and open the workspace.

9 In the Topobase pane, click Plot Explorer. In the Plot Library, right-click your plot Market Place, and click Edit.

10 In the Plot Editor, expand the Plot Label feature class. Right-click Plot label: Review, and click Digitize.

11 Follow the AutoCAD command line. The label is added to the Plot explorer. The label is represented in the default style. You can use Display Manager, to define a different style.

12 Close the Plot Editor.

Exercise 5: Style Fixed Label and Symbol Size

On your plot, plot labels such as names should appear in a fixed size, regardless of the plot scale. Display Manager supports Map space and Device Space. While Map space works fine for your plot previews in Layout space, your labels would not be displayed in their correct size when you edit the layout in Model space. You can use a a calculation to style the plot label layer, so the plot labels are displayed correctly both in Model space (Edit mode) and in Layout space (Preview mode). The same applies to other plot layers, such as images, north arrows, legend, and scale bar. In this exercise you will:

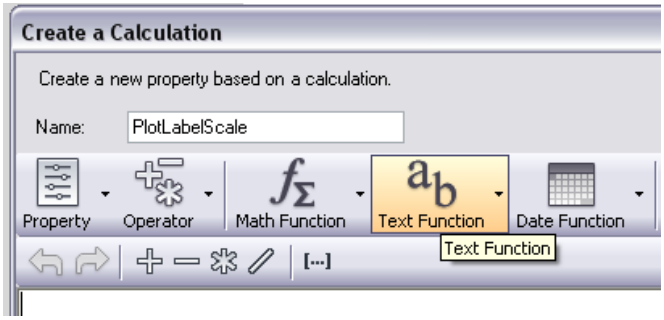
- Create a Calculation for the Plot labels that query the current plot scale.
- Create a Calculation for the north arrow that query the current plot scale.
- Style the Plot label layer to display the plot name with a height of 8 mm.
- Style the Plot NA layer to display the north arrow with a fixed height of 20 mm.

1 In the ribbon, click Home tab ➤ Display panel and select the Plot Tutorial display model. Click Generate Graphic. The drawing displays the plot elements in Model space. In Display Manager, the Plot layers are loaded.

2 In Display Manager, select PLT_PLOT_TBL. Right-click, and click Create A Calculation.

3 In the Create A Calculation dialog box, enter a name for the calculation: PlotLabelScale.

4 Click Text Function, and select TB_SQL. Enter the following SQL command: `'SELECT TO_CHAR(SCALE_DENOMINATOR) FROM PLT_PLOT p where p.FID = g.FID_PARENT'`



5 Click Validate. Click OK.

6 In Display Manager, select PLT_PLOT_NA. Right-click, and click Create A Calculation.

7 In the Create A Calculation dialog box, enter a name for the calculation: PlotScale.

8 Click Text Function, and select TB_SQL. Enter the following SQL command: `'SELECT TO_CHAR(SCALE_DENOMINATOR) FROM PLT_PLOT p where p.FID = g.FID_PARENT_PLOT'`

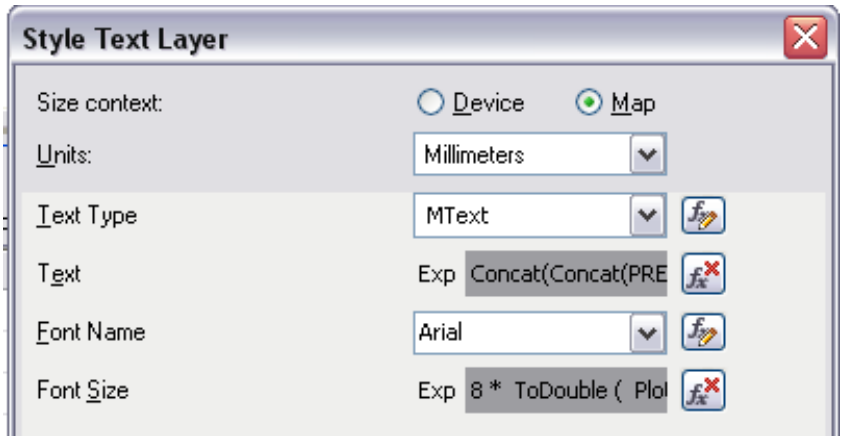
9 Click Validate. Click OK.

10 In Display Manager, select PLT_PLOT_TBL. Right-click, and click Edit Style.

11 In the Style Editor, select the row for LABEL_DEF_ID = 1100 (the plot name). Click the area under Style.

12 In the Style Text Layer dialog box enter the following values.

- Size Context: Map.
- Units: Millimeters.
- Font Size: Click Edit Expression and enter: `8 * ToDouble ( PlotLabelScale )` . Click Validate. Click OK.



The expression for the font size assumes that you have designed your plot display model for a default scale of 1: 1000 and that you have set the unit to millimeter.

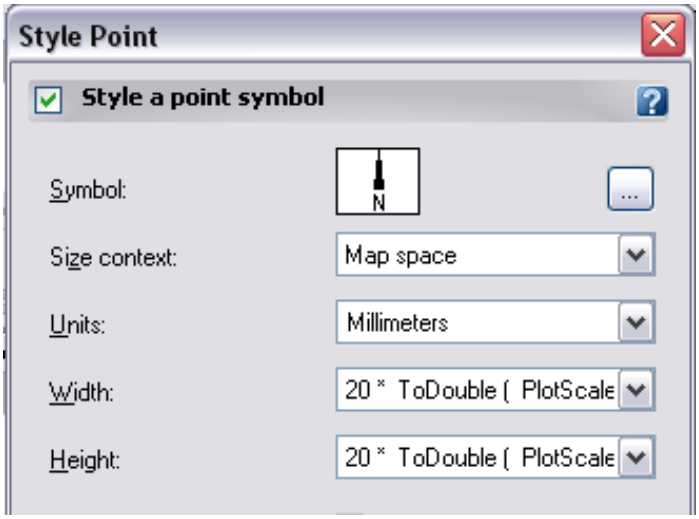
13 In the Style Editor, click Apply.

14 In Display Manager, select PLT_PLOT_NA.

15 In the Style Editor, under Point Style, click the area under Style.

16 In the Style Point dialog box enter the following values:

- Size Context: Map Space.
- Units: Millimeters.
- Width: Select Expression. In the Create/Modify Expressions dialog box, enter: `20 * ToDouble ( PlotScale )` . Click Validate. Click OK.
- Height: Select Expression. In the Create/Modify Expressions dialog box, enter: `20 * ToDouble ( PlotScale )` . Click Validate. Click OK.



17 Click Apply, and close the Style Editor.

18 Save your modifications: In the ribbon, click Home tab ➤ Display panel ➤ Save Display Model. Be sure the Window list contains only one map, and the Layer list contains plot layers only.

Exercise 6: Create plots from templates

In this exercise you will:

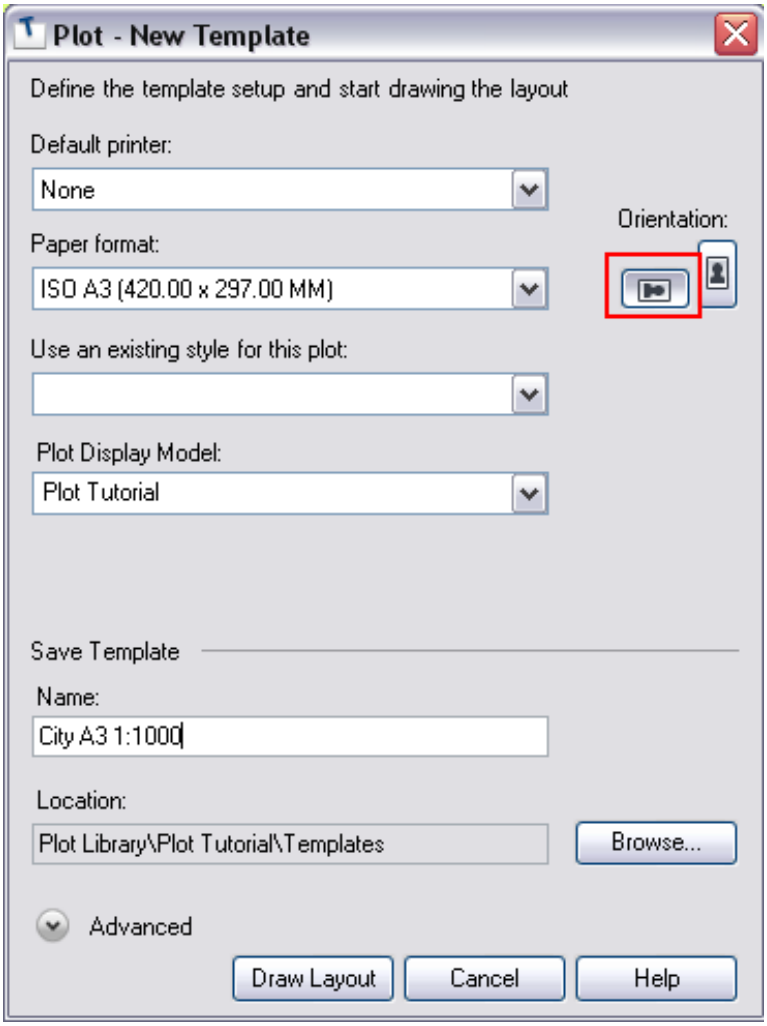
- Create a plot template 1:1000 consisting of 2 maps, one of which is a static overview map.
- Create a plot template 1:500.
- Create plots using the templates.

For more information about plot templates, see the Topobase Client User Guide.

1 In the ribbon, click Home tab ➤ Display panel and select the Land Tutorial display model. Click Generate Graphic.

2 In the Topobase pane, click Plot explorer. Expand the Plot Tutorial folder. Right-click Templates, and click Create New Template.

3

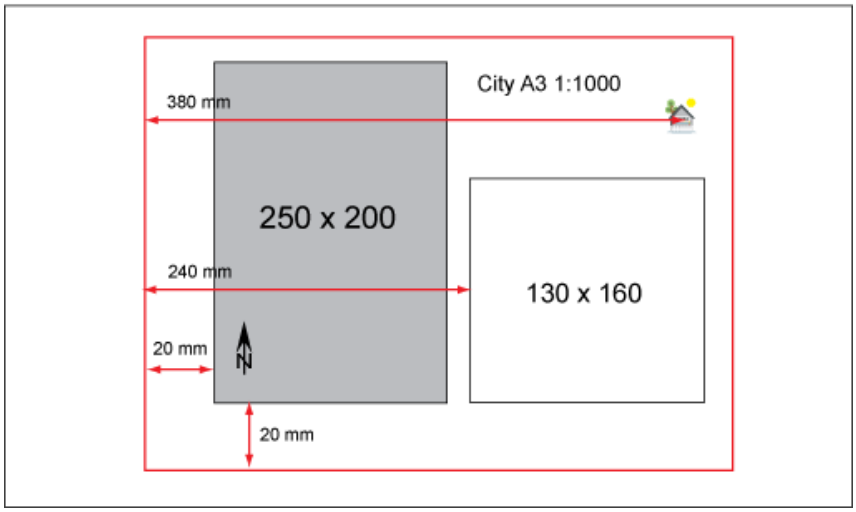


4 Click Draw Layout. Digitize the map placeholders, a north arrow, and the plot name.

5 Digitize an image. Select Digitize With Form. After you have finished digitizing, the Image form opens, and you can select an image type, and adjust the position. In the form:

- Click Details tab. Select image type Company.

- Click General tab. Under Position in Page, For Horizontal, enter 380 mm from Left Border, and for Vertical, enter 250 mm from Bottom Border. Click Update & Close.



6 Select the second map placeholder. Click Capture Map. Capture the area of GIS data that will be part of every plot you create from the template. For example:

- Select Scale 1:5000.
- Map Style: Land Tutorial

7 Save the capture.

8 In the drawing, select the first - your main - map placeholder, and double-click. In the Map Placeholder form, click the Details tab. Enter the Map Scale 1: 1000. Notice that there is no Map Display Model selected. You can select the display model when you create a plot from this template.

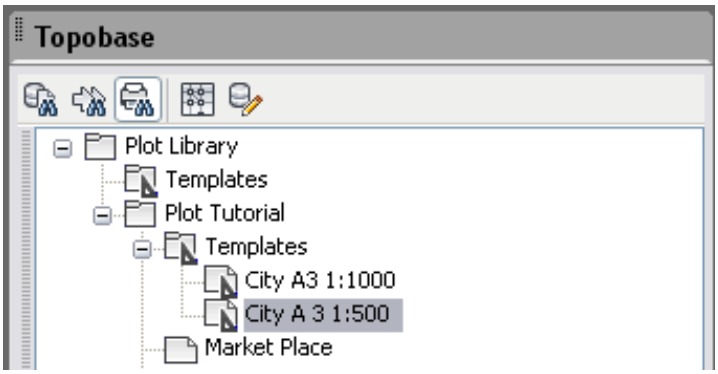
9 Click Update & Close.

10 In the Plot editor, click Close. The template is added to your plot library.

11 In the Plot Library, select Plot Tutorial\Templates, right-click, and click Create New Template. Create another template 1:500.

12 Your templates are added to your plot library.

NOTE When you use the Plot New Definition command, the item that is currently selected in the Plot Library will be used. That means, if you have a template selected, this template will be pre-selected. If you have selected a plot, this plot will be sent to the printer.



13 In the ribbon, click Home tab. Make sure the Land Tutorial Display model is selected. Click Generate Graphic.

14 Click Output tab ➤ Plot panel ➤ Plot New Definition.

15 In the Plot New dialog box, under Plot Template, select Open From Library. Select City A3 1:1000. In the Plot New dialog box, enter the following values:

- Map Style: Land Tutorial.
- Notice that you cannot select the scale. The scale has been set in the template.
- Map Insertion Point: Click Select, and click the point in the map.

16 Optionally, you can save the plot.

- Name: Enter City East.
- Select Save Plot Definition.
- Browse for the folder in the Plot Library: Plot Tutorial.
- Clear Plot Now.

17 Click Save. The plot is added to your plot library.

18 Select the plot, and click Preview.

19 Create another plot from the template City A3 1:500: In the Plot Library, select the template City A3 1:500.

20 In the ribbon, click Output tab ➤ Plot panel ➤ Plot New Definition.

NOTE When you capture the map, under Map Style you can select Use Current Drawing. Then, your plot will not use the selected display model, but the current drawing, including ACAD entities, and any modifications you have made on the display model without saving. If selected, you cannot save your plot.

In the Plot Library, you can copy your plots between the folders. Select the plot, right-click, and select:

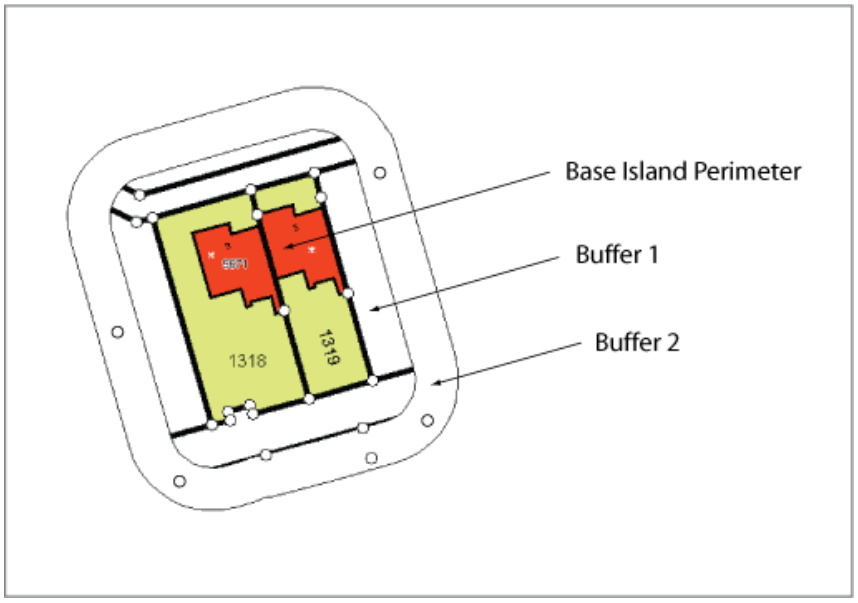
- Copy—Create a copy of the plot. When you Paste the plot, the system duplicates the plot in the database.
- Copy Link—Create a link of the plot. When you Paste the plot, the system adds a link to the destination folder, that means that the same plot can be shown in multiple folders of the Plot Library.

Exercise 7: Create an Island Map

An island map has irregular borders defined by a perimeter feature class or a topology. For more information see the Topobase Client User Guide.

Island maps require a display model that contains both the GIS layers, and the plot layers including the island buffer layers. In this exercise you will:

- Specify Administrator Island Map settings.
- Create a display model that supports island maps, and where buffer 1 displays the parcel borders and border points, and buffer 2 displays border points.



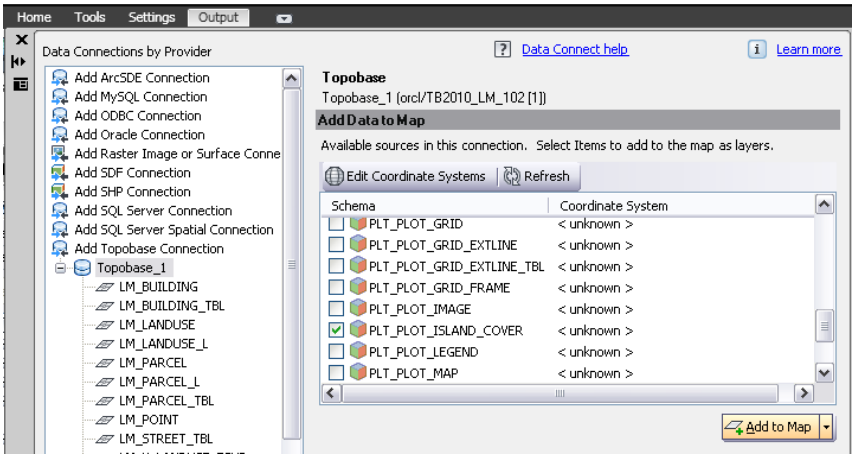
■ Create an island map from a plot template.

1. Quit Topobase Client; click No when prompted to save changes.
2. Start Topobase 2010 Administrator and open the workspace.
3. In the Administrator explorer, under the document node, click Plot.
4. Under Island Map Settings, select the Island Perimeter feature class PARCEL_TSUR.
5. Set the default values for First Buffer to 20 m, and Second Buffer to 50 m.

   In this exercise we use large buffer values, so you can clearly see the use of the buffers.
6. Click Save, and exit Topobase Administrator.
7. Start Topobase Client and open the workspace.
8. In the Topobase pane, click Plot Explorer.

9 Select the plot Market Place. Right-click, and click Edit. Notice that the Display Manager loads both GIS layers, and Plot layers.

10 In Display manager, click Data ➤ Connect To Data. Select the existing Topobase connection, and add a layer for the data source PLT_PLOT_ISLAND_COVER.



11 Add two more layers for PLT_PLOT_ISLAND_COVER. If you want to use two buffers, the display model requires 3 layers to display the island itself, the island plus buffer zone 1, and the island plus buffer zone 2.

- PLT_PLOT_ISLAND_COVER (2): Displays the map within buffer 2. This island cover displays the selected islands plus buffer 2.
- PLT_PLOT_ISLAND_COVER (1): Displays the map within buffer 1.
- PLT_PLOT_ISLAND_COVER: Displays the map without any buffer. This island cover lets only the selected islands be visible in the map. For the Draw Order, this is the first plot layer to be drawn.

12 Style the island cover areas to be solid white.

13 Save the display model.

- Click Home tab ➤ Display panel ➤ Save Display Model As.
- Check the properties: Be sure there is only the Plot map in the Window list. Remove any other maps.
- Enter a name: Plot Island Tutorial.
- Enter the map name: Plot Island Tutorial Map.

Notice that the GIS layers are referenced.

14 Reference the Plot layers: For all Plot layers, except the PLT_PLOT_ISLAND_COVER layers, select the Ref. check boxes.

TIP You can select the relevant items in the Names column using the <CTRL> or <Shift> key or using <Ctrl> + <A>. Then select one item in the Ref. column to check all the items.

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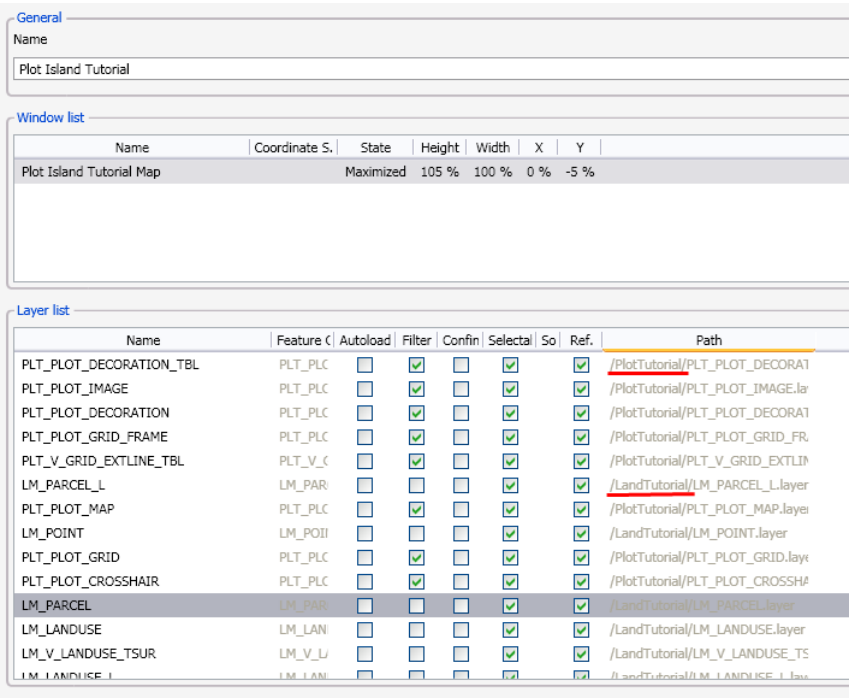
15 Remove the filter for the GIS layers: Clear the Filter check boxes.



16 Click OK. Click Yes to continue and overwrite the referenced layers.

A dialog box displays your repository.

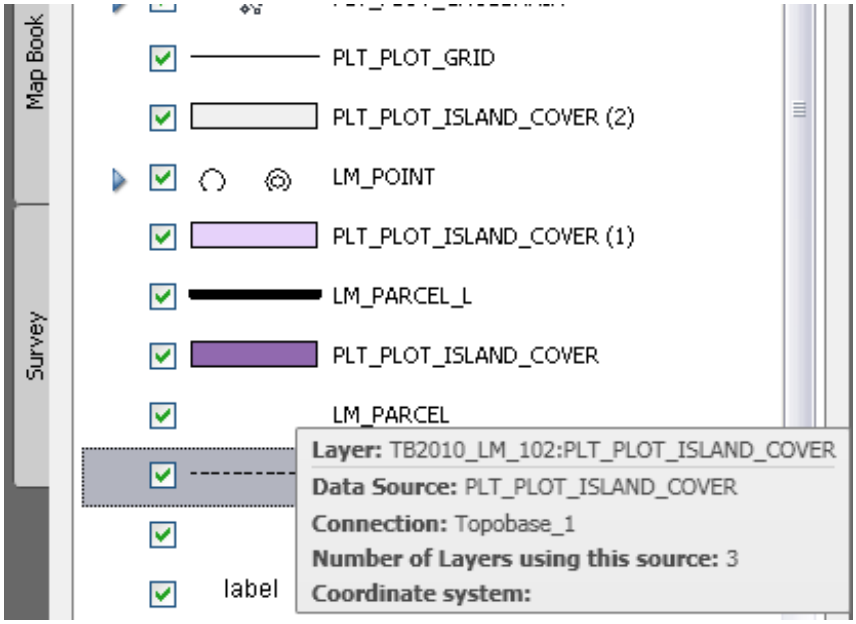
17 Click Create New Folder and name the new folder DM_Plot_Island_Tutorial. Click Open and then click Save.

18 Close the Plot editor.

19 **Draw Order**—Modify the draw order, so that the island displays your complete drawing, the first buffer displays the parcel lines, and the second buffer displays border points.

In Display Manager, click Groups ➤ Draw Order.

20 Drag the layers as shown below.



First plot layer: PLT_PLOT_ISLAND_COVER.

Parcel lines: LM_PARCEL_L.

Second plot layer: PLT_PLOT_ISLAND_COVER (1).

Border points: LM_POINT.

Third plot layer: PLT_PLOT_ISLAND_COVER (2).

Forth and all other plot layers: PLT_PLOT_GRID, keep the same order as in the sample plot display model.

21 Click Home tab ➤ Display panel ➤ Save Display Model. Check the properties: Be sure the Layer list shows the changed draw order.

22 Click OK. Click Yes to continue and overwrite the referenced layers.

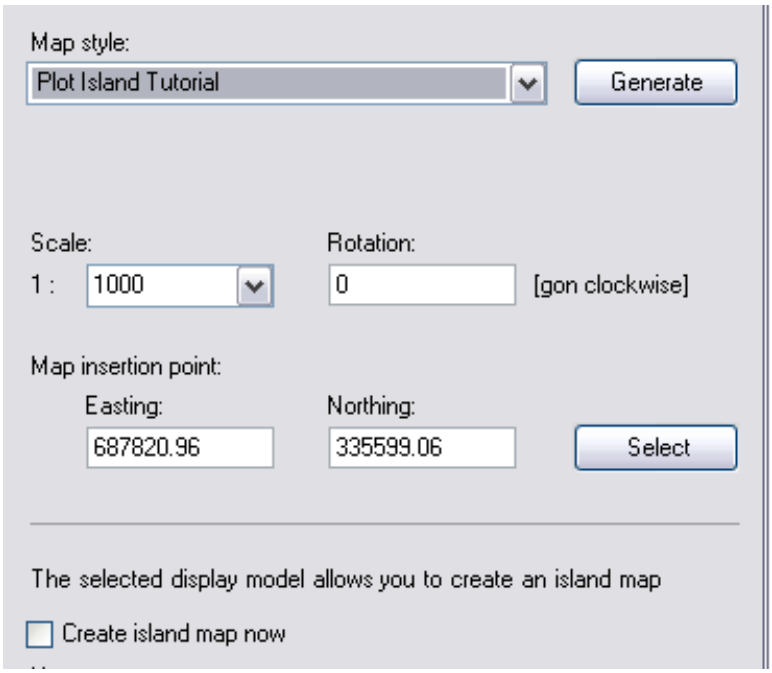
23 In the Plot Library, select the Plot Library node.

24 Select the Land Tutorial display model. Generate graphics.

25 In the ribbon, click Output tab ➤ Plot panel ➤ Plot New Definition.

26 Select the template City A3 1:1000.

27 Under Map Style, select Plot Island Tutorial. Notice that you can now create islands.



28 Select the Map Insertion Point.

29 Select Create An Island Map Now. Click Next.

30 In the Island Map Settings dialog box, click Select.

31 In the drawing, click the parcels you want to draw. (You might want to turn off AutoCAD OSNAP to click the parcels.) Click Enter to finish the selection.

32 Enter a name: Parcels 1:1000. Click Save.

The plot is added to your Plot Library\Plot Tutorial.

33 Select the plot, and click Preview.