

This example covers the process of creating a corridor that represents a simple waterway corridor along an alignment. The example assumes that you have the following objects in the drawing:

- Alignment representing the centerline of the waterway  
Refer to Quick Reference Guide **510.0 Creating an Alignment from Objects** or Quick Reference Guide **511.0 Creating an Alignment Using Alignment Creation Tools** for more information on setting up the waterway alignment.
- Profile of the original ground surface along the waterway alignment  
Refer to Quick Reference Guide **610.0 Profile from a Terrain Surface** for more information on developing a surface profile.
- Finished ground profile representing the design grade of the waterway along the alignment  
Refer to Quick Reference Guide **611.0 Developing a Finished Ground Profile** for more information on developing a design profile for the waterway.
- Assembly object representing the typical cross section of the waterway  
Refer to Quick Reference Guide **940.0 Assembly Guide – Simple Waterway** for more information on the assembly object used in this example.

1. On the *Create Design* panel of the *Home* ribbon, click on *Corridor* and select *Create Simple Corridor*.
2. Make the following selections in the *Create Simple Corridor* window:
  - Assign the name *Waterway* to the corridor
  - The Corridor style is *Corridor*
  - Leave the layer at PLAN-CORRIDOR
  - Click on the *OK* button
3. At the command line, you will be prompted to select the baseline alignment. Click on the alignment in the drawing or hit Enter and select it from the list of alignments in the drawing.
4. At the command line, you will be prompted to select a profile. Be sure you select the finished ground profile that represents the design centerline of the waterway and not the original ground surface profile.  
Click on the finished ground in the drawing or hit Enter and select it from the list of profiles in the drawing.
5. At the command line, you will be prompted to select an assembly. This is the *Simple Waterway* assembly that represents the typical cross section of the waterway. Click on the assembly object in the drawing or hit Enter and select it from the list of assemblies in the drawing.
6. The Target Mapping window will appear. Click in the cell labeled *<Click here to set all>* next to *Surfaces* and select the *Existing Ground* surface.
7. Click on the *OK* button to create the corridor. It should now appear in the drawing and be listed in the Prospector tab under the list of Corridors.