

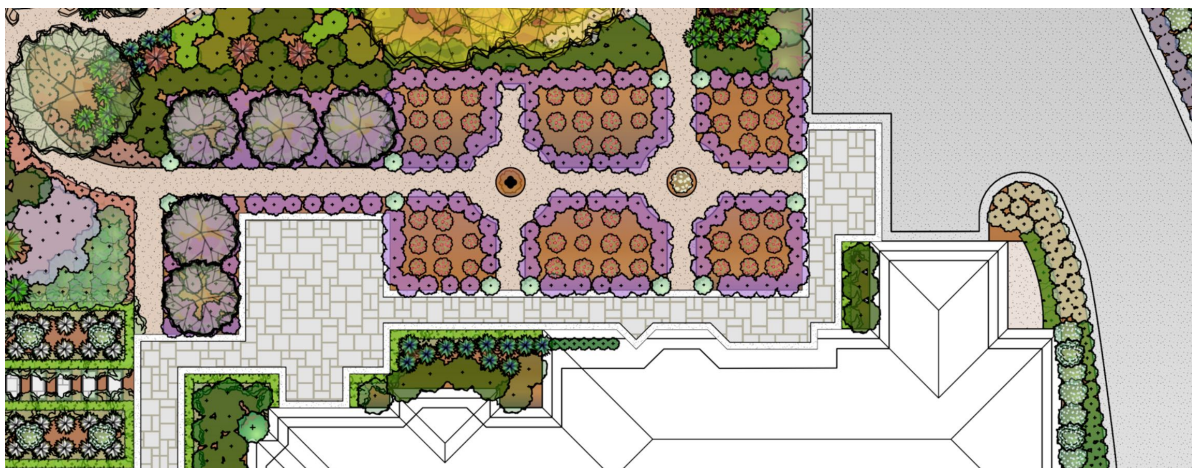
SITE DESIGN

INTRODUCTION TO HARDSCAPES

In the next chapters, we will dive into hardscapes in Vectorworks. Hardscapes are powerful objects used to create representations of hard landscaping. These include: walkways, paths, patios, driveways, and can also be used to represent other areas as well.



Hardscapes generate both a 2D and 3D representation of landscape elements. The 2D representations can have customizable joint patterns as well as an optional boundary with its own joint pattern.

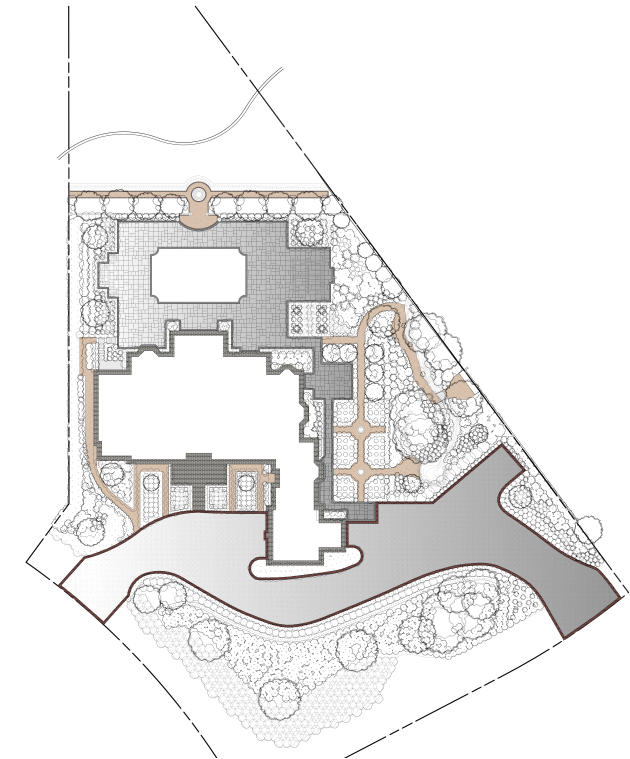


The 3D Representation can be a simple slab or used to modify a site model as a pad or texture bed modifier. The 3D representation can also be given a slope for proper water drainage.



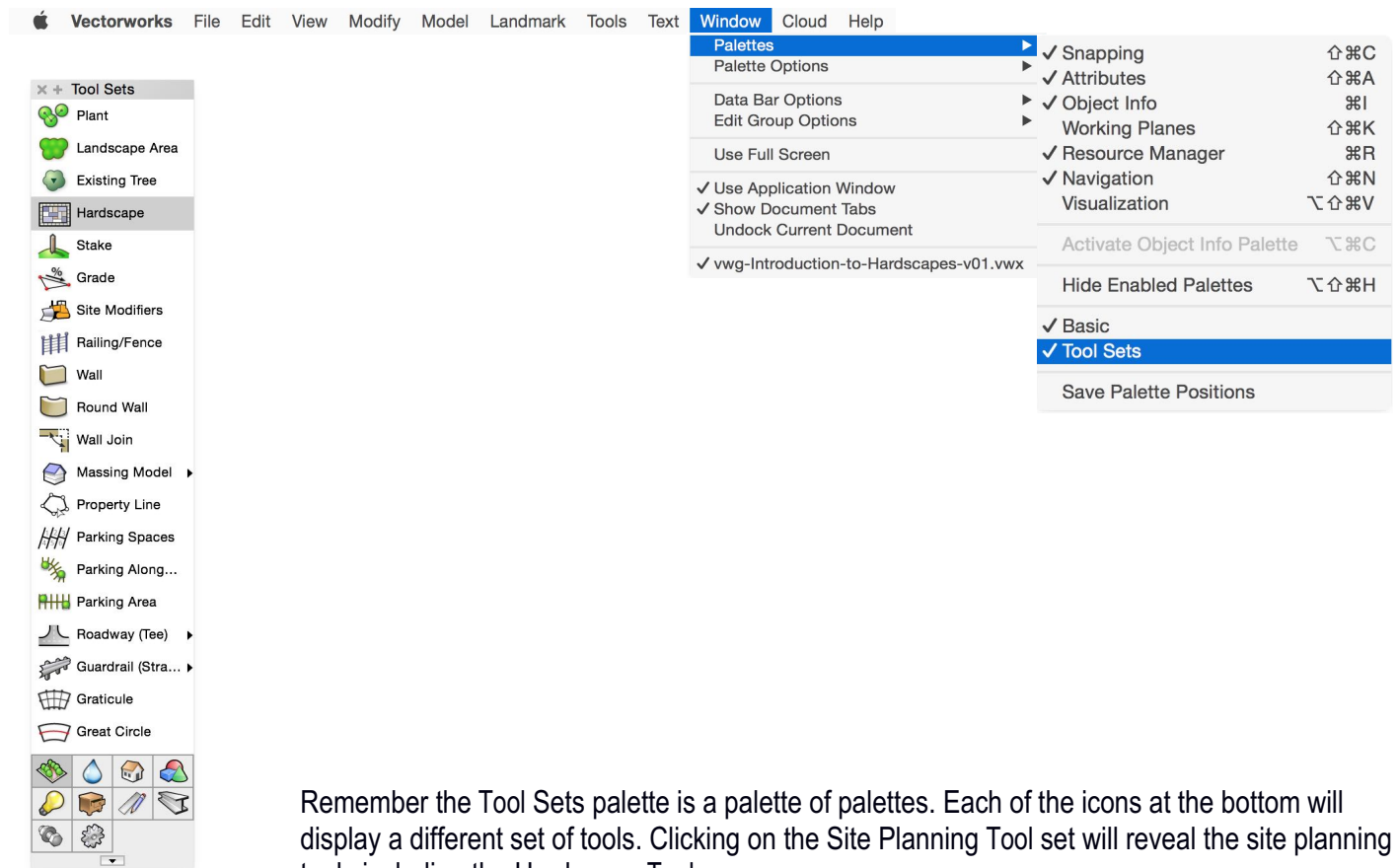
Though commonly used for hard landscaping due to the flexibility of hardscape objects the may be used to generate other elements such as pools, water features, or even planting beds.

In addition to the graphical elements hardscapes can be used to keep track of the material used for the design and help with costing by utilizing the reporting functions within Vectorworks.



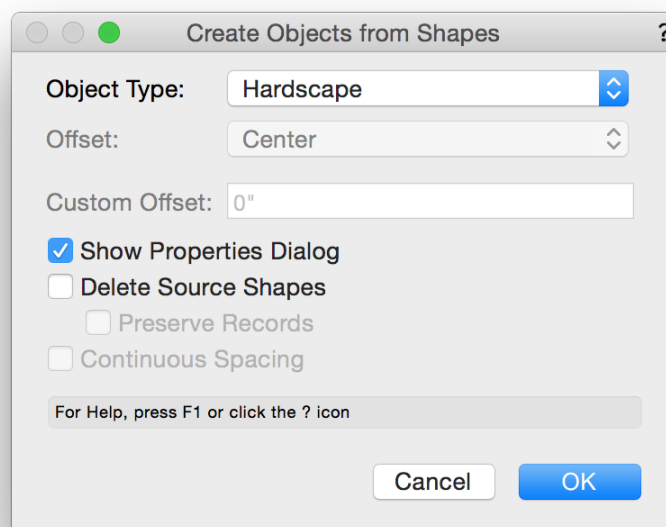
Hardscape Budget					
Hardscape Name	Notes	Perimeter	Area	Price/sq M	£Total
Rear-Patio	FLAGESTONE PAVERS	694.23Li M	3872.66 sq m	£12M2	£44,536
Motor-Courtyard	ASPHALT	651.03Li M	6665.34 sq m	£3M2	£21,729
Gravel-Pathway	DECOMPOSED GRANITE	110.08Li M	143.66 sq m	£4M2	£559
Gravel-Pathway	DECOMPOSED GRANITE	296.44Li M	421.47 sq m	£4M2	£1,640
Fountain-Pathway	DECOMPOSED GRANITE	274.30Li M	461.38 sq m	£4M2	£1,795
Entrance-Walkway	BRICK CLAD WHITE	860.96Li M	1096.85 sq m	£15M2	£16,453
Creekside Garden Pathway	DECOMPOSED GRANITE	424.74Li M	712.11 sq m	£4M2	£2,770
Creekside Garden Pathway	DECOMPOSED GRANITE	37.05Li M	79.69 sq m	£4M2	£310
Total					£89,791

The Hardscape Tool is located in the Site Planning Tool Set. The Tool Sets palette is located in the bottom left of the screen. If the toolsets palette is not visible, go to Window, Palettes, Tool Sets, and turn the palette on.

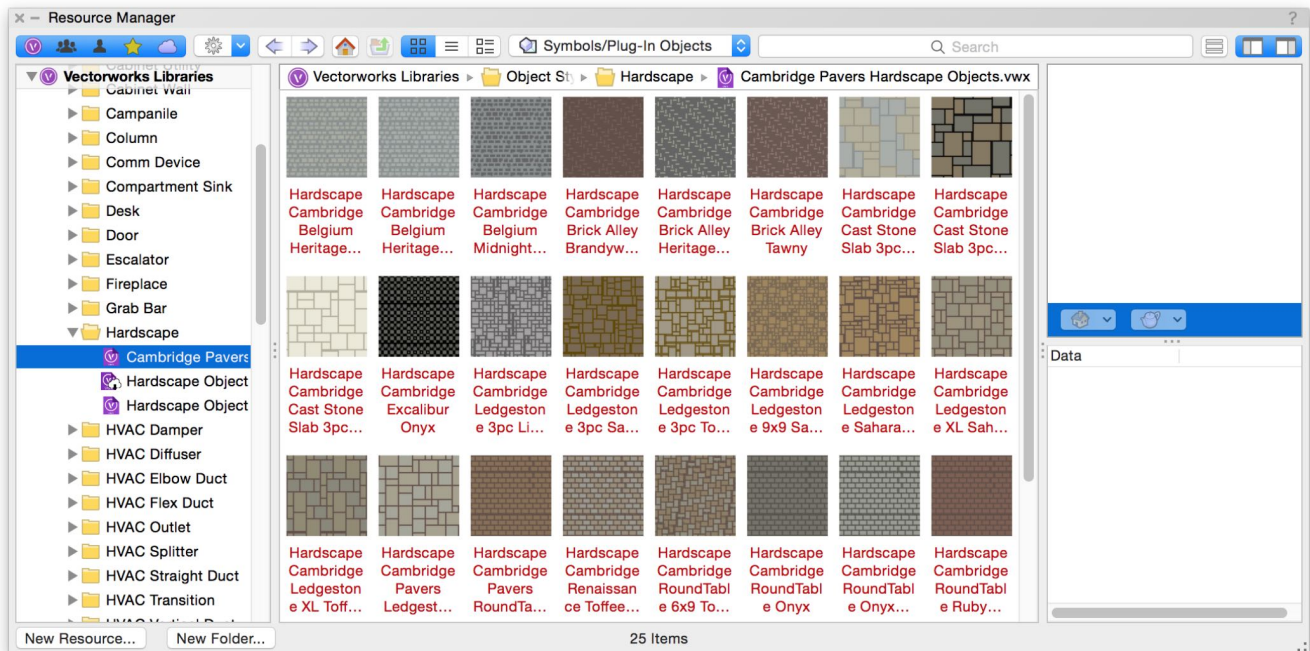


Remember the Tool Sets palette is a palette of palettes. Each of the icons at the bottom will display a different set of tools. Clicking on the Site Planning Tool set will reveal the site planning tools including the Hardscape Tool.

Hardscapes can be generated directly using the hardscape tool or quickly created using existing 2D objects using the Create Objects from Shapes command.



Once configured a hardscape style can then be saved for later use. The saved hardscapes can be added to a favorite file for quick access when working in other projects.



In the next chapters, we will go through the creation and settings of hardscape objects.

