

14 NEW Topography Tools by Environment for Revit®

(but who's counting...)

Enhancing Revit's grading capabilities

Nehama Shechter-Baraban

Landscape Architect, COO at Arch-Intelligence |

@Nehama Shechter-Baraban



About Me



Nehama Shechter-Baraban

- COO, Arch-Intelligence.
- Landscape architect, 2016, Technion- Israel Institute of Technology.
- Lecturer (Rupin Academic Center, Israel), Revit expert, hands-on designer, project manager.
- Avid outdoorswoman and passionate about sharing my knowledge and our technology with others.

About Arch-Intelligence

Arch-Intelligence develops and offers Environment for Revit® , the world's leading platform for BIM-based landscape and site design.

Vision: Empower site planners to freely, simply, and accurately design anything outdoors.

Mission: Transform Revit® into the software of choice for outdoor design professionals.

In practice:

- **Thousands of installations** in over 40 countries.
- **Reseller-partners** (Autodesk Partners) in every major region around the globe.
- **Included in curriculums** at universities and training centers worldwide.
- Used by outdoor professionals in **projects of all scopes and sizes.**
- **Environment for Revit® , v9.2 and counting - offering more efficient workflows, streamlining hundreds of tasks, and enabling endless design possibilities.**



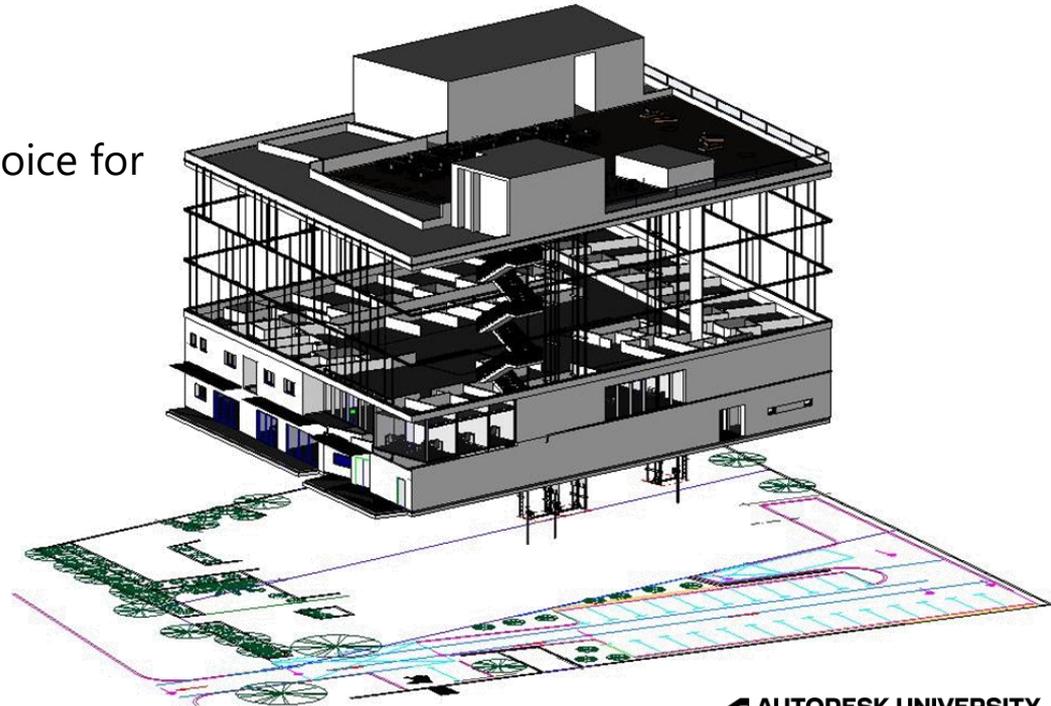
Our Obsession with Topographies

or: what landscape architects do...

Our mission

Environment for Revit® was developed to embolden site planning professionals to finally make the transition to BIM, while providing the most streamlined workflow possible.

Transform Revit® into the software of choice for outdoor design professionals.



Where do we engage in grading?

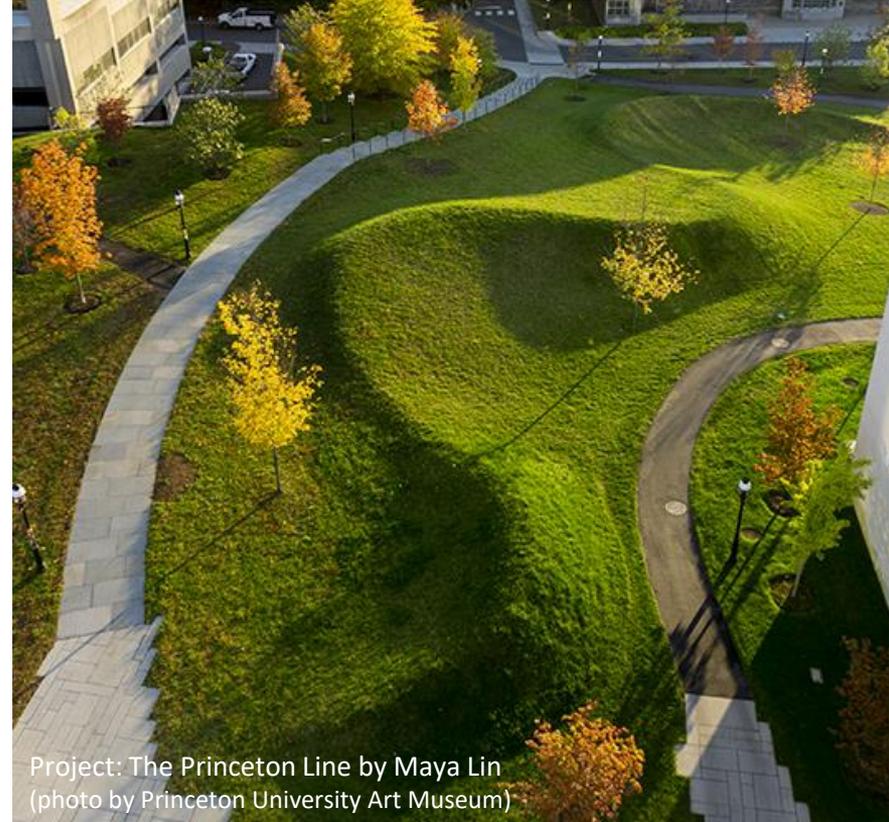
And where is it used?

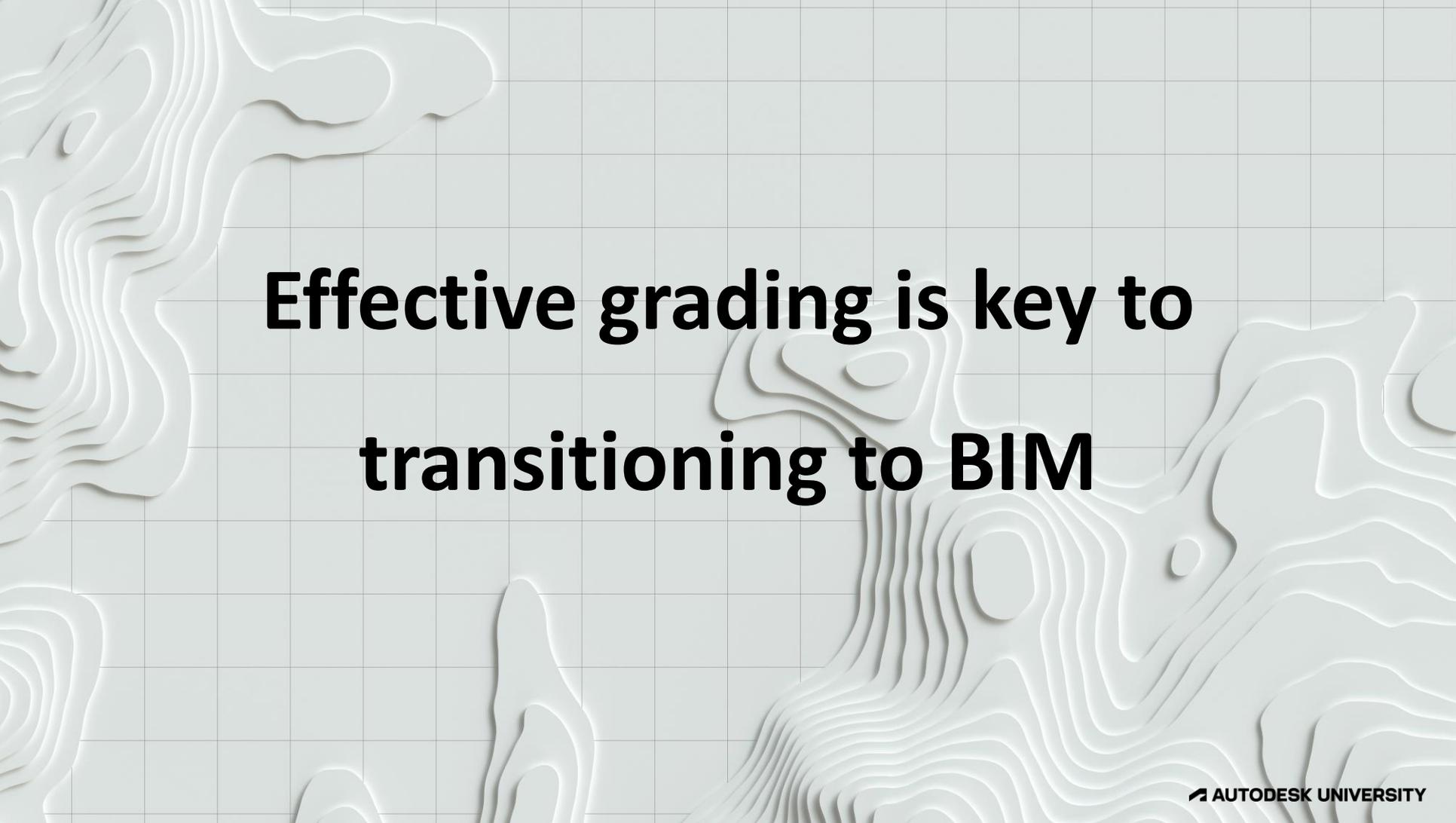
Grading is the process of modifying existing landforms to achieve a wide spectrum of goals.

Every outdoor intervention involves grading, i.e., some modification of the existing surface.

Grading: landscapingSMART. 3D-Machine Control Systems. Stormwater Management
by Peter Petschek

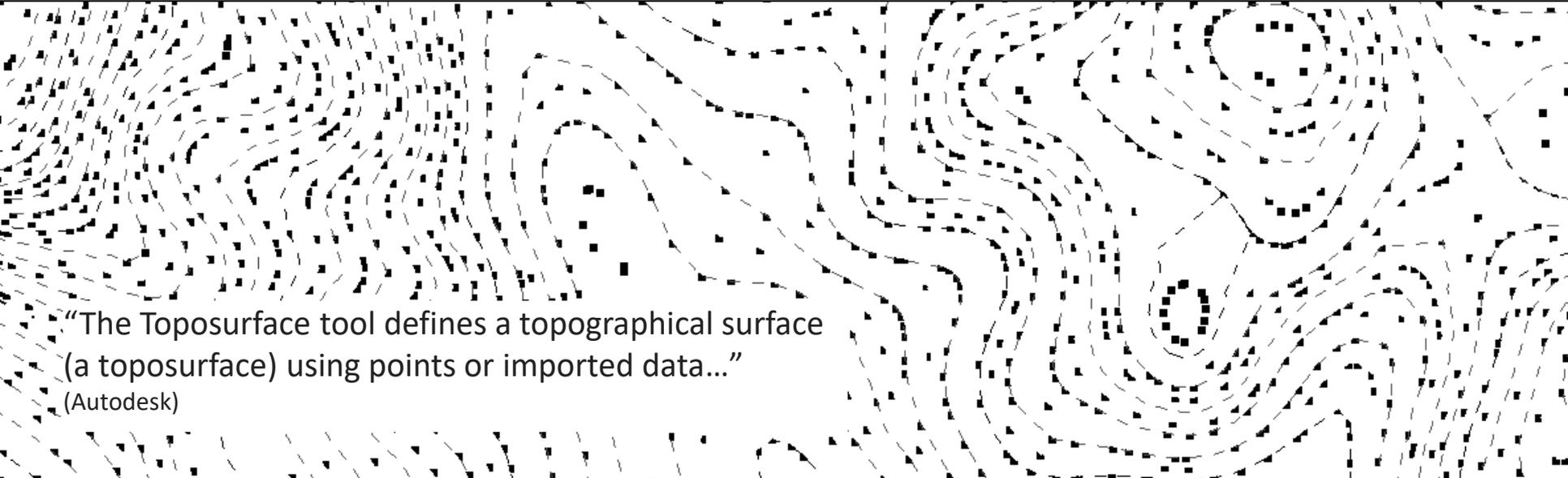
Grading, we all do it



The background features a light gray grid overlaid on a white topographic map. The map's contour lines are embossed, creating a three-dimensional effect. The text is centered in a bold, black, sans-serif font.

Effective grading is key to transitioning to BIM

Enhancing Revit's grading capabilities



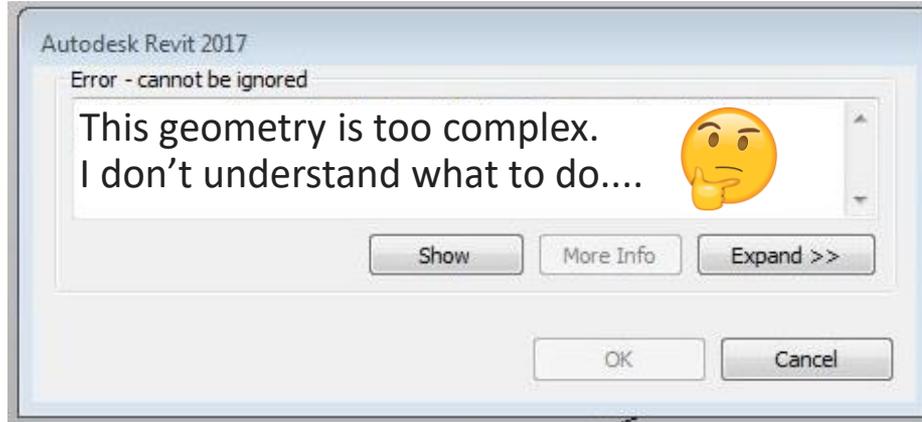
“The Toposurface tool defines a topographical surface (a toposurface) using points or imported data...”

(Autodesk)

What is a Topography in Revit?

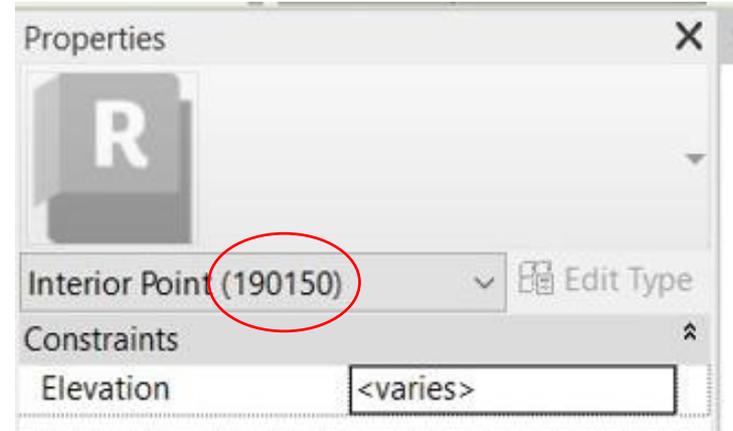


What is a topography in Revit?



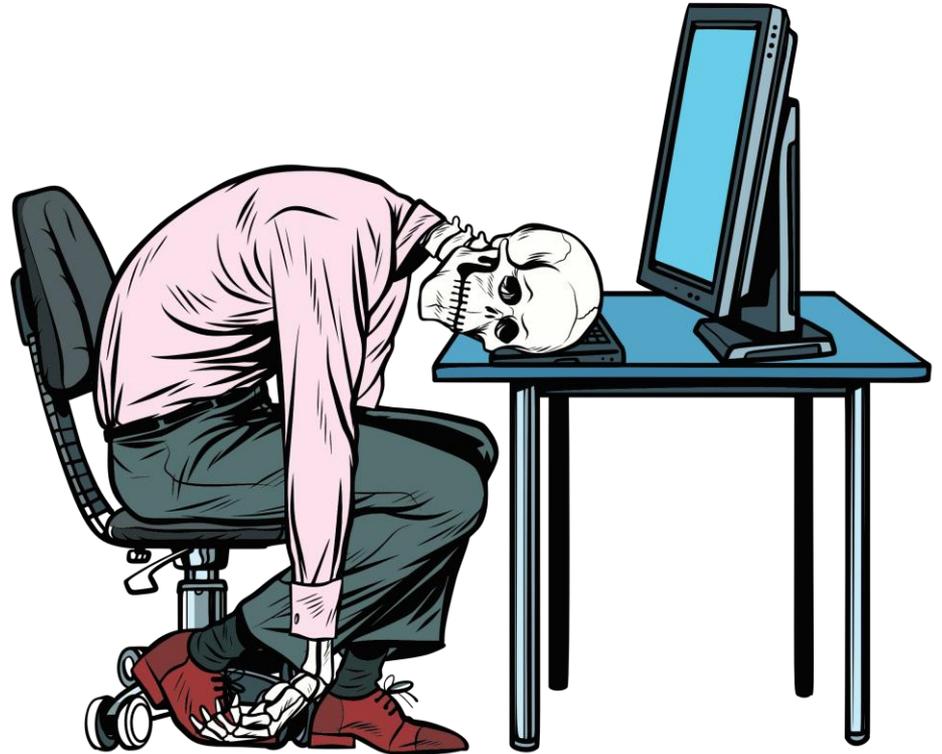
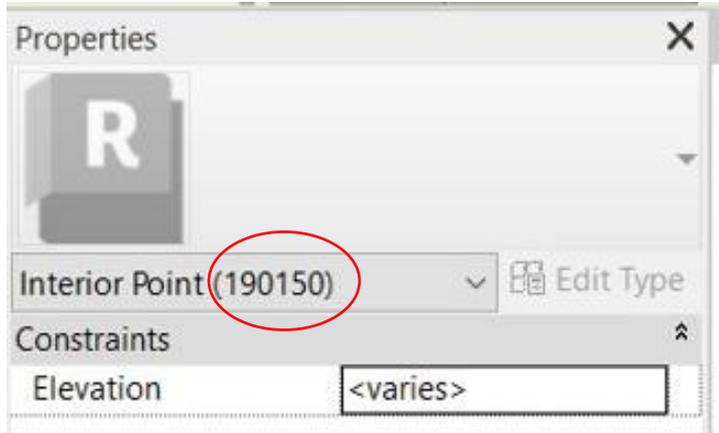
The Price of Improved Accuracy

Topographies offer greater accuracy and design flexibility.



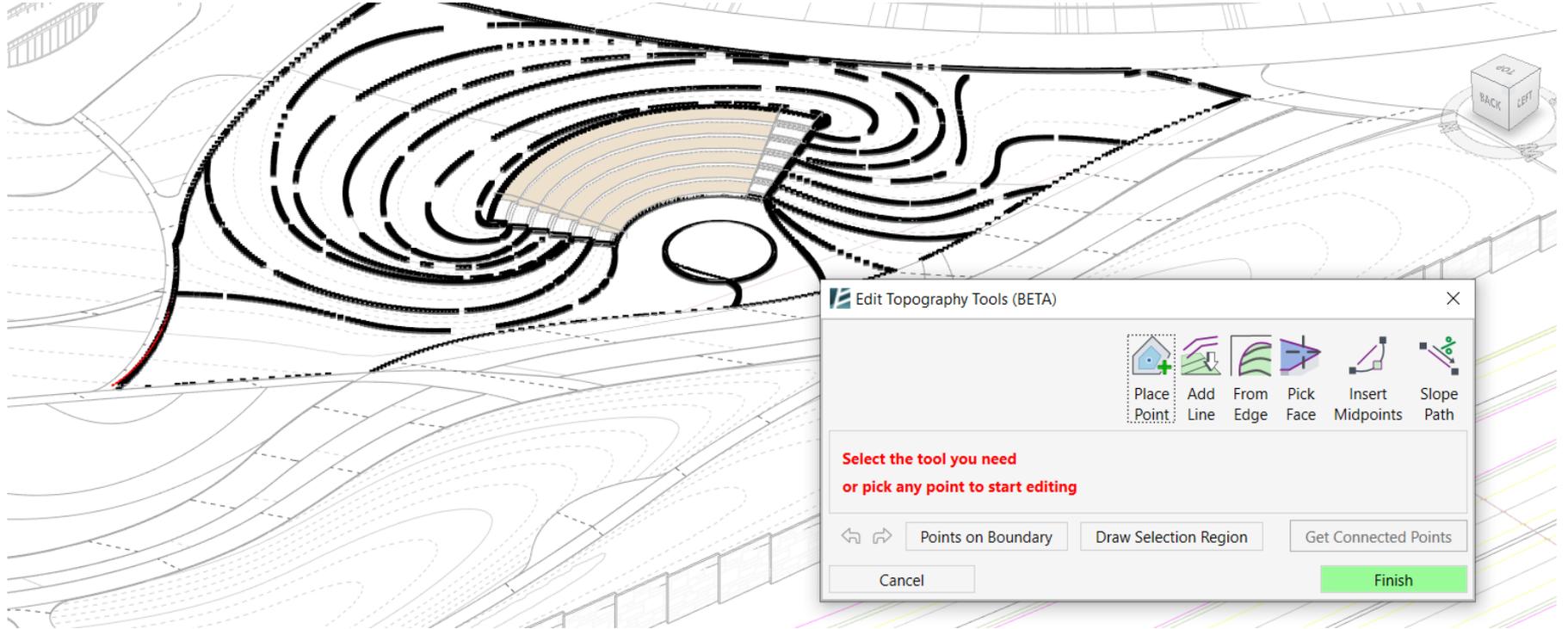
The outcome will often be a surface containing a large number of elevation points

So many points... What to do?



Improved User Experience

Environment's Topography Tools



Sewing Together the Landscape Quilt

Grading in Revit with Environment's Topography Tools





Thank you for listening

www.Arch-Intelligence.com



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for **REVIT**®



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