

Workflow Descriptions –

Shoring

Contents

Workflow 1A: Geometric Modeling – Vertical Shoring Elements	1
Workflow 1B: Geometric Modeling – Drainage Elements (if required)	2

Workflow 1A: Geometric Modeling – Vertical Shoring Elements

1. Import Shoring Alignment including the applicable top-of-wall profile or limits from LandXML file.
2. Specify the total length of the shoring and the length of each individual segment considering changes in shoring type, segment limits, spacing, cutoff elevations, and specified pile tip elevations.
3. Define geometry for the following objects, as applicable:
 - a. Pile - Sheet
 - Start Station (of Segment)
 - End Station (of Segment)
 - Cut Off Elevation at start and end of segment
 - Specified Pile Tip Elevation
 - Length, Section Modulus, Sheet Pile Thickness, and Steel Grade
4. Create Pile - Sheet wall segments between the defined start and end stations.
5. Assign “Object ID” attribute to each shoring element (See E-01_CT_Object-ID_Reqs.pdf).

Workflow 1B: Geometric Modeling – Drainage Elements (if required)

1. Define Subsurface - perm (permeable material) geometry using the applicable Type, Class, Width, Length, and Height (Limit).
2. Place the Subsurface - perm (permeable material) along the shoring alignment using the required segment limits and location data.
3. Assign “Object ID” attribute to the drainage component (See E-01_CT_Object-ID_Reqs.pdf).