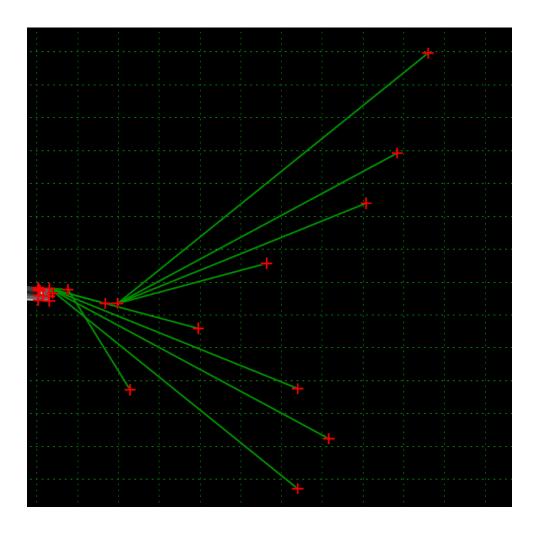


Robert Nice – Bentley Systems



Advanced End Conditions

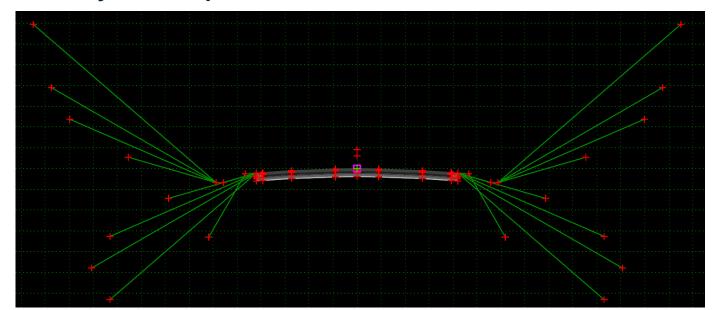
- What we are going to cover
 - General Principals
 - Variable Slope Fixed Width
 - Fill Slope Ditch
 - Retaining Walls
 - Stepped Retaining Walls
 - Gabion Retaining Walls
 - Benching





General Principals

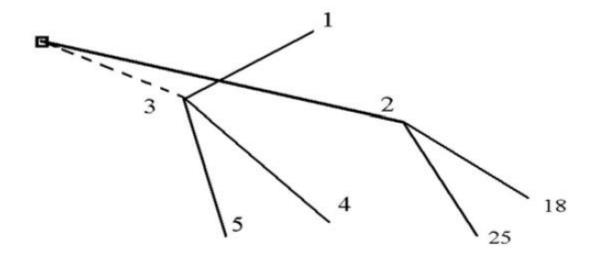
- Templates are made from components
- Regular Components
- End Condition Components
- Milling and Overlay Components





General Principals

- End Conditions Seeks Targets
 - Terrain
 - Alignment
 - Profile
 - Elevation
- Succeeds or Fails
- Branches
- Priorities



General Principals

Parent Components

 When parent is displayed children are displayed. When parent is not displayed child is not displayed.

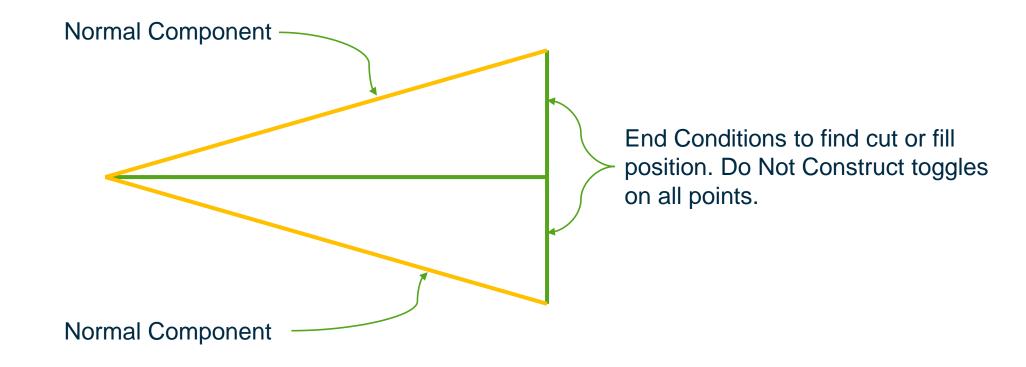
Display Rules

- Algebraic control of when a component is displayed.
- Do not recommend using them on end conditions. (End conditions may be turned off if successful.)



Variable Slope – Fixed Width

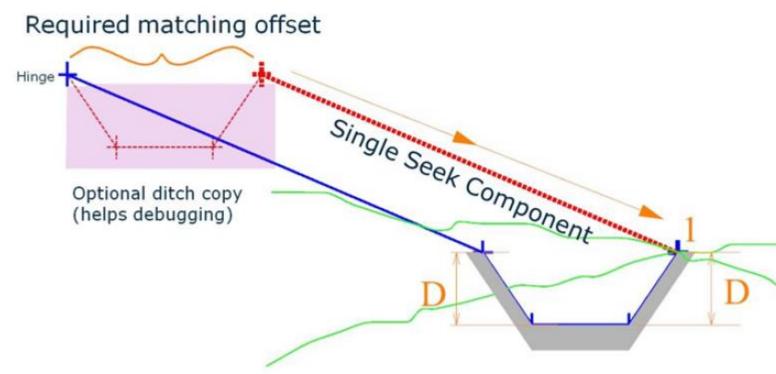
- Use End Conditions but NOT Visible
- Use Normal Components





Fixed Fill Ditch

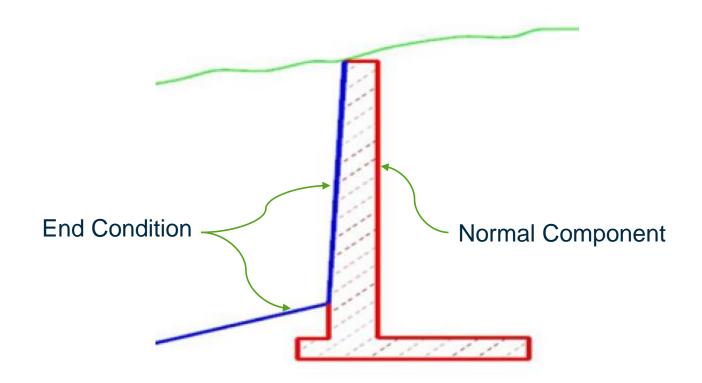
- Ditch Depth is fixed
- Ditch Width is fixed
- Slope from hinge is constant





Variable Height Retaining Walls

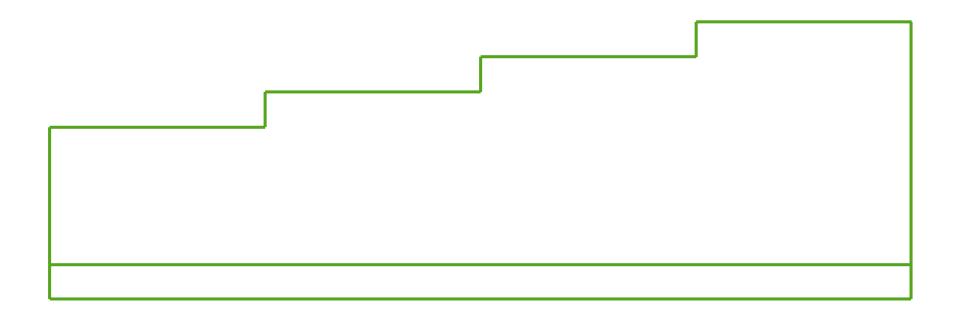
- Uses End Condition to find Catch
- Retaining wall is child component and a regular component





Stepped Retaining Walls

- Height Increments
- Takes Multiple End Conditions





Gabion Wall

- Similar to Stepped Retaining Wall
- Has Horizontal Offset with each Row





Benching

- Benching based on End Condition
 - Number of Benches
 - Bench Continuously
- Benching based on Datum
 - Bench follows elevation
- Benching based on Feature Point

