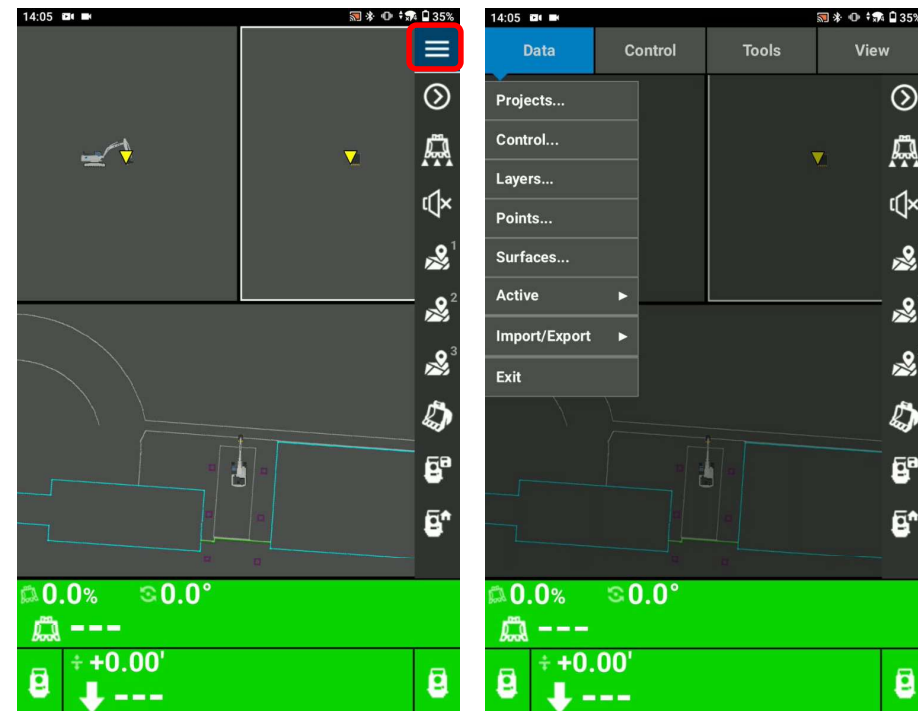# MC Mobile

3D-MC Mobile How to Create Surfaces

How to Create New Surfaces in 3D-MC Mobile

There are 7 options to create new surfaces and edit existing surfaces in 3DMC Mobile

1. Flat Plane Surface

2. Sloping Plane Surface

3. Crown Road Surface

4. Triangulated Surface from Topo Survey

5. Raise/Lower Existing Surface

6. Subgrade of Existing Alignment

7. Surface from Polyline to Alignment with template

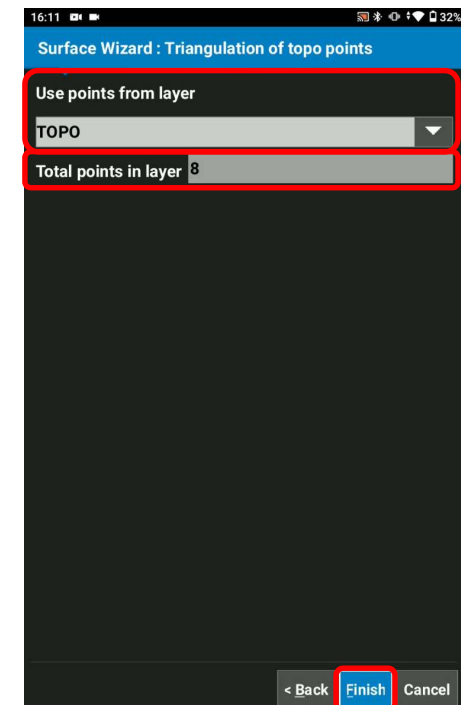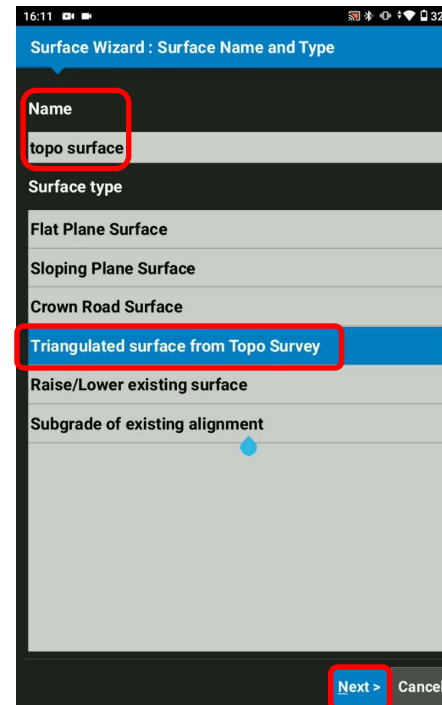8. Surface from Polyline to Alignment without template

How to Create New Surfaces in 3DMC Mobile

- Select ☰ to find the surface options
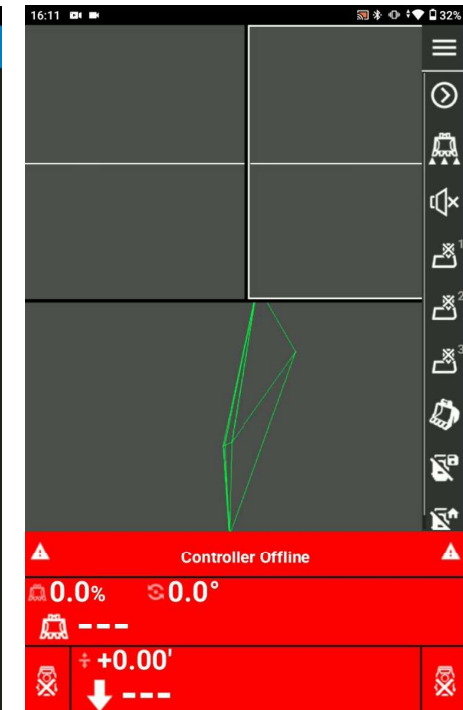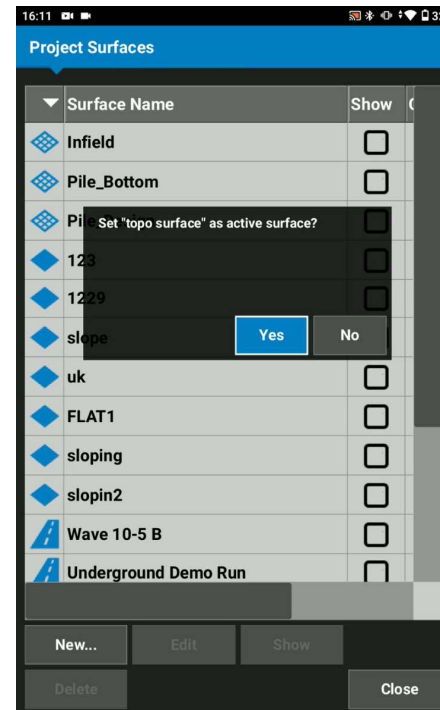- Select Data
- Select Surfaces

Triangulated Surface from Topo Survey

- Select Triangulated surface from Topo Survey

- Name your crown road surface

- Select Next

- Select points from a layer

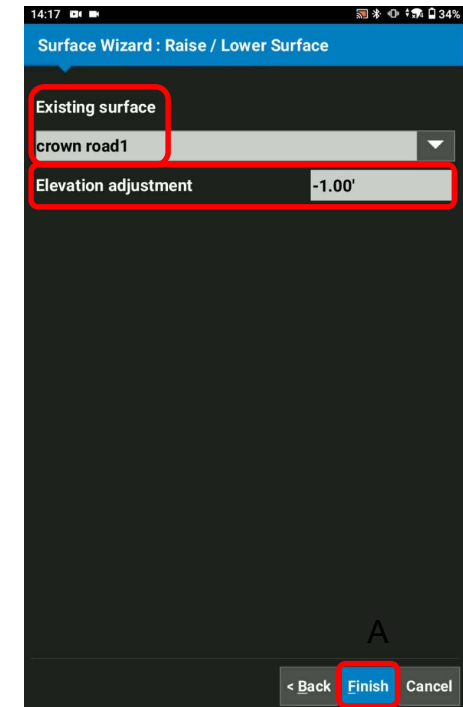- Select Finish to create triangulated surface from selected points from the layer
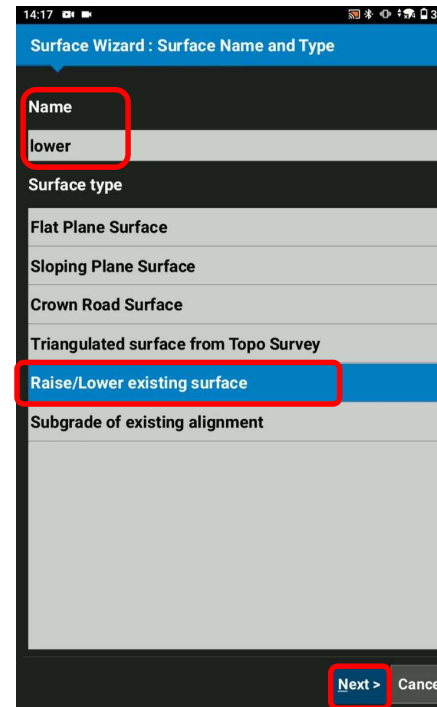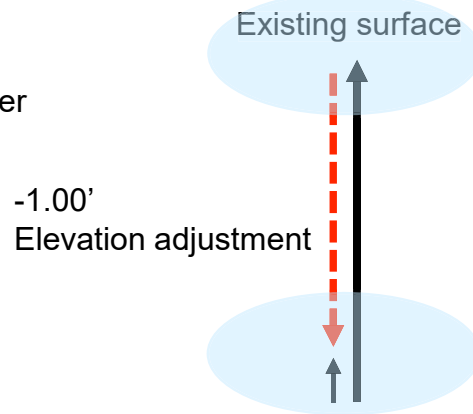
Triangulated Surface from Topo Survey

- Select Yes, Set "xxxx" as active surface ?
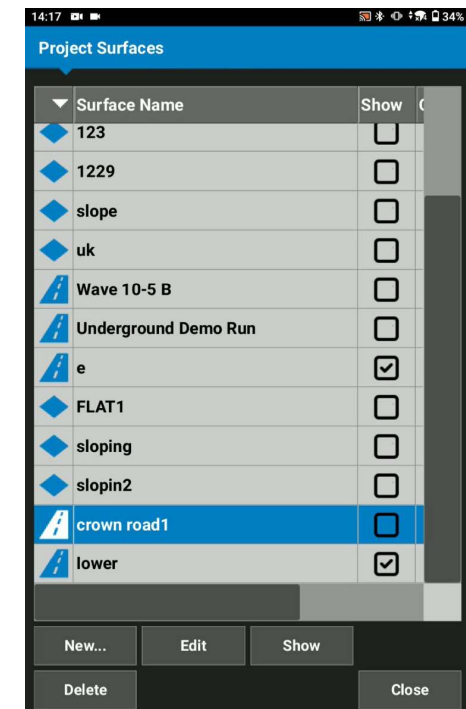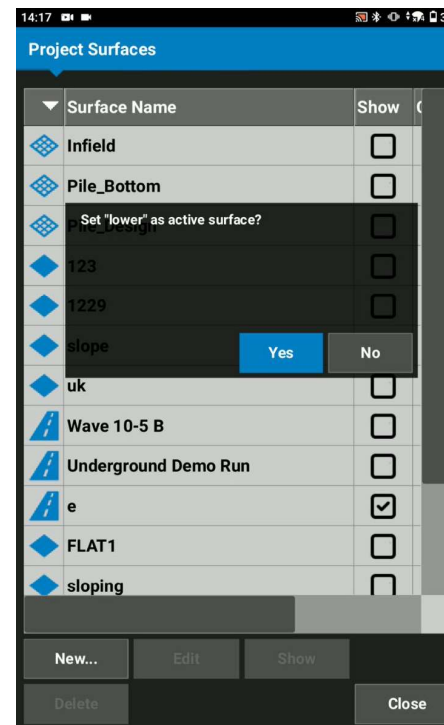
- Select Close

Raise/Lower Existing Surface

- Select Raise/Lower existing surface

- Name your Raise/Lower existing surface

- Select Next

- Select your existing surface

- Input the elevation adjustment value

- Select Finish

Raise/Lower Existing Surface

- Select Yes, Set "xxxx" as active surface ?

- Select Close

Raise/Lower Existing Surface

- Ensure your created surface becomes your Cut/Fill Elevation reference

- Move your bucket and follow Cut/Fill value