

TOPCON

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# MC Mobile



MC-Mobile

3D-MC Mobile How to Create Surfaces


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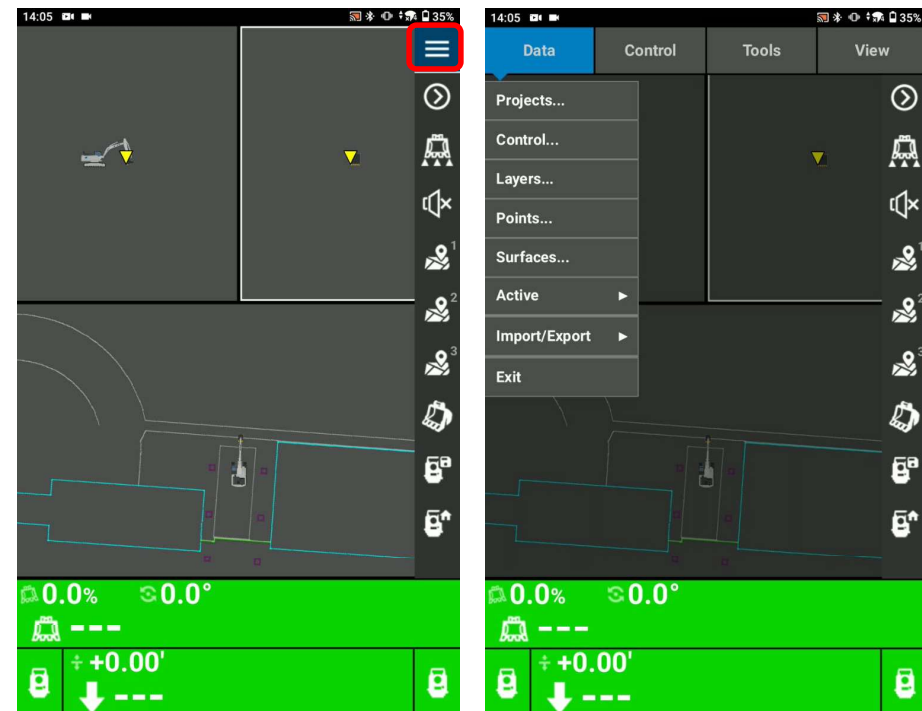
## How to Create New Surfaces in 3D-MC Mobile

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

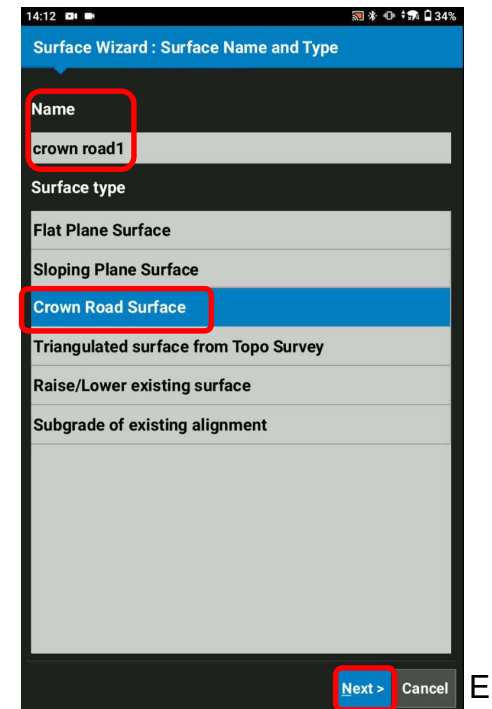
## How to Create New Surfaces in 3DMC Mobile

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

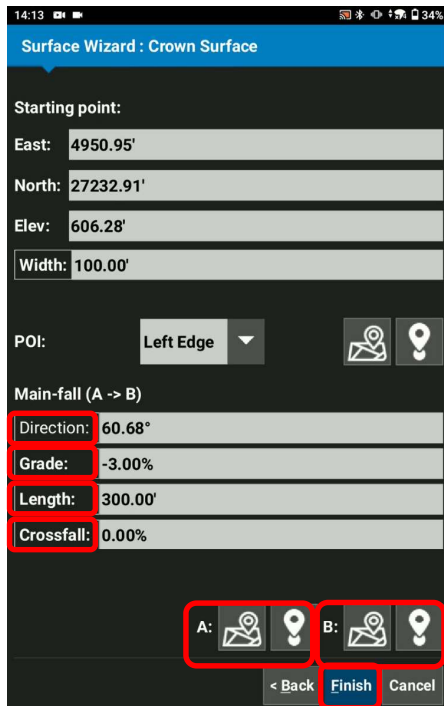


## Crown Road Surface

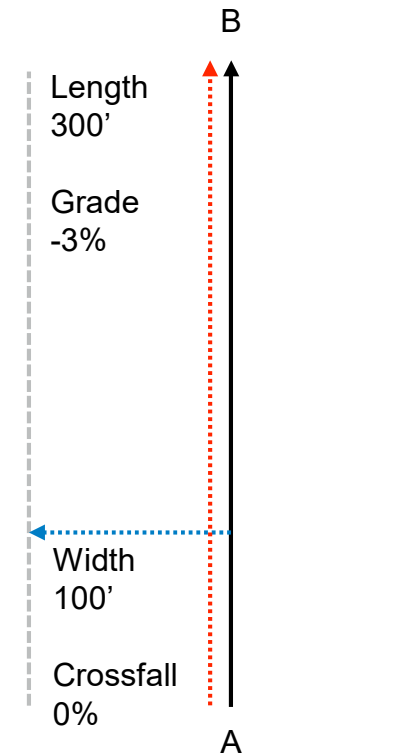
- Select Crown Road Surface to create a crown road surface
- Name your crown road surface
- Select Next



# Crown Road Surface

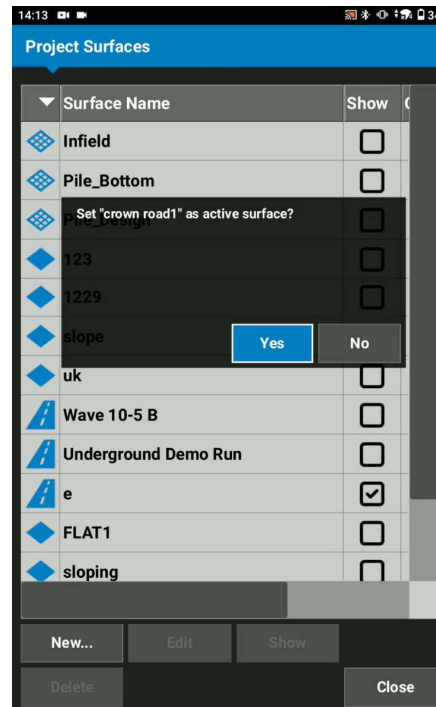


- Select Point of Interest of your bucket
- Select to take a Topo shot of your current bucket position for your crown road surface
- Or Select to pick up a known point for your crown road surface
- Input Grid Interval
- By collecting two points using the bucket or selecting two known points, Direction, Grade, Length can be defined. (You can also manually input)
- Ensure Width, Direction, Grade, Length and Crossfall are correct for your work
- Select Finish



## Crown Road Surface

- Select Yes, Set “xxx” as active surface ?
- Select Close



## Crown Road Surface

- Ensure your created surface becomes your Cut/Fill Elevation reference
- Move your bucket and follow Cut/Fill value

