

CEE 4020 - Computer Applications in CEE

Site Design: Parcels and Alignments

October 13, 2010

Creating and Editing Parcels

Objective: Developing a site by defining parcels and major alignments that can be used to develop Right of Way parcels.

Follow these steps to develop a surface from points:

- Create a new layer called *C_MyProperty*
- Create a square polyline starting and ending at the point 15600,18540 of area 250,000 sq. ft.
- Add a new Site to the surface. Call it *Site 1* - we will further develop this site.
- Add a parcel using the polyline as input - use the *Add parcel from object* option
- Add the parcel under Site 1. Create a new parcel segment layer *C_MyProperty_Line*
- Allow automatic addition of segment labels.
- Do not erase entities if you have created a mask on the surface previously.

Further define the parcel - create sub-divisions, by defining alignment through it.

- Draw a polyline from the point 15925,18540 to the point 500 ft. north of it.
- Draw a polyline from the point 15600,18700 to the point 500 ft. east of it.
- Add alignments to the parcel using the above polylines. Call them *Inner_Road_1* and *Inner_Road_2* respectively and place them on the layer *C_Development*.

Develop Right of Way (ROW) parcels using the newly added alignments use the fillet clean-up option with offsets of 25 ft. and fillet radius of 20 ft. Use the different edit parcel segments tool to redesign the inner curves.