



Case Study

application **Visual Excavation Barrier**
location **Chicago, IL**
product **Mirafi® Orange Delineation Fabric**

job owner **Chicago Parks Dept.**
engineer
contractor **Clauss Brothers**

TenCate™ develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

THE CHALLENGE

The Chicago Parks Department wanted to re-develop the property at 24th and Federal into a park. Due to Industrial history of the property, the subsoil was known to be contaminated. It was cost prohibitive to remove the contaminants, so leaving the soil in place was necessary.

THE DESIGN

To leave the contaminated soil in place, a visual barrier was needed to warn any future development that there were contaminated soils below. In the past, the contractor had used orange construction warning fence for this purpose. The fencing had broken down in the past, leaving it without strength and integrity to warn future excavators of potential danger.

THE CONSTRUCTION

Mirafi® Orange delineation fabric was placed over the contaminated soils. A 24" layer of clay was placed and compacted on top of Mirafi® Orange delineation fabric. The clay was overlain with 6-12" of topsoil and the final surface was landscaped. Once landscaping was completed, the formerly unusable area was transformed into a now stable park.



Subsoil condition prior to installation of Mirafi® MPV500.



Placing Mirafi® Orange delineation fabric.

THE PERFORMANCE

Mirafi® Orange delineation fabric was used to create a visual excavation barrier and performed much better than the construction fence the contractor had used in the past for this purpose. An additional benefit was the larger, more convenient roll sizes. Mirafi® Orange delineation fabric was also easier to lay down than the construction warning fencing as this type fencing has a “roll memory” like some geogrids.



Contractor placing topsoil over Mirafi® Orange delineation fabric.

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