



# METROPCS NETWORK SITE EVALUATIONS • Metropolitan Detroit

## CHALLENGES

- Fast-track construction schedule
- Federal, state and local agency approval delays

## SOLUTIONS

- Provide a dedicated team with a weekly project schedule to keep client abreast of progress
- Develop strong relationships with key people at governmental agencies to speed up approval process

## SERVICES

- Geotechnical engineering
- Environmental studies
- Construction engineering services
- Foundation design

## Evaluating sites for MetroPCS' Detroit wireless network locations

G2 Consulting Group provided environmental consulting and geotechnical engineering services at more than 300 southeast Michigan sites for a new wireless network developed by MetroPCS Communications Inc.

The Dallas-based wireless service provider used G2's services to detect any potential issues with proposed network locations in nine counties, including Oakland, Wayne, Macomb and Livingston.

At each site, G2 conducted environmental studies to identify any potential environmental contamination, endangered species, wetlands, floodplains, Native American burial grounds or historical sites that may exist.

G2 also analyzed soil samples taken from raw land sites to design foundations for MetroPCS' network communication towers. G2's designs considered tower height and wind and ice loading conditions.