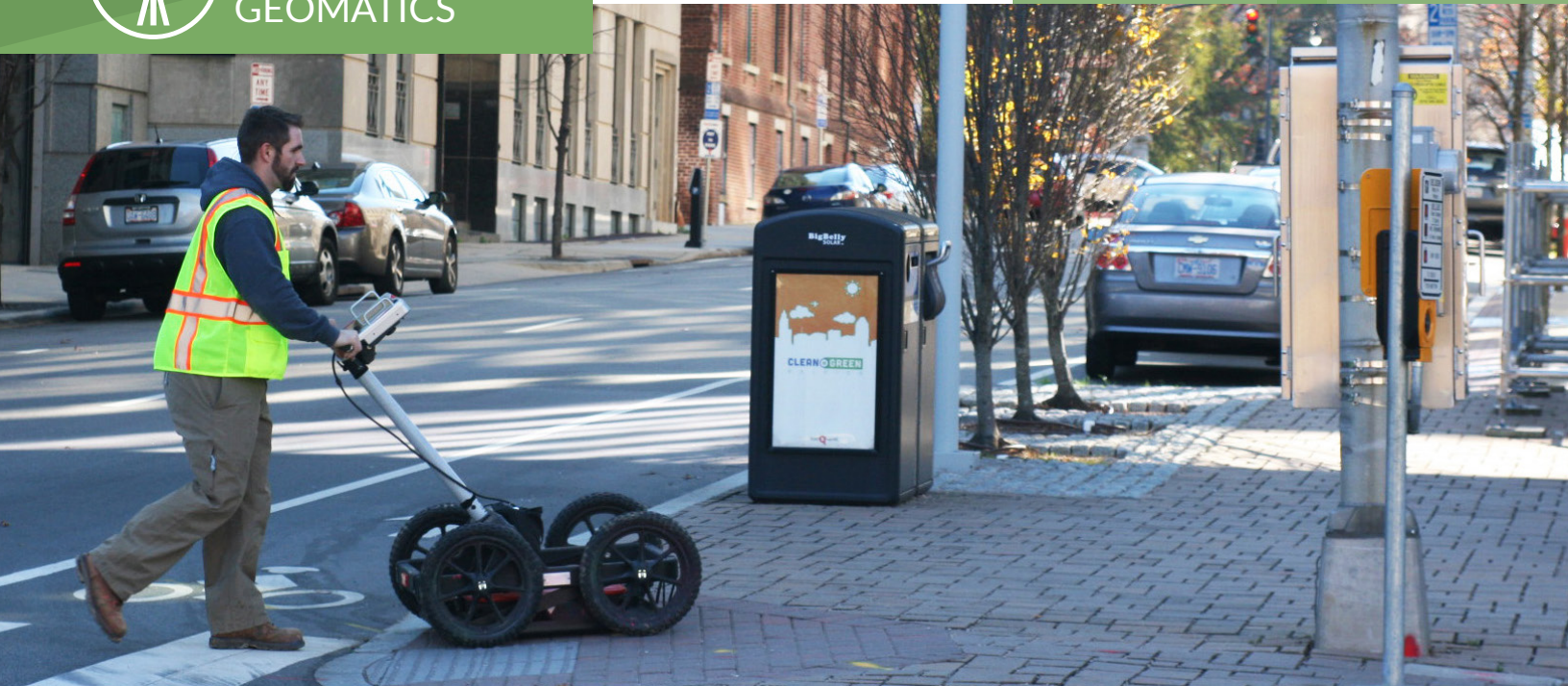


# SUE

## subsurface utility engineering



GEOMATICS



Using electromagnetic (EM) equipment and active or passive methods, WithersRavenel can designate conductive utilities such as copper telephone wire, coaxial cable, fiber optic cable, metallic water and sewer line, and gas line. Active methods are used for known utilities; passive methods are used for unknown utilities.

Using Ground Penetrating Radar (GPR) equipment, WithersRavenel can designate non-conductive utilities and structures such as asbestos concrete, PVC, RCP, and USTs.

WithersRavenel also has the capability to perform vacuum excavation on critical utilities. Vacuum excavation provides verification on the size, depth, and material of specific utilities, along with accurate horizontal and vertical locations.

## OUR SERVICES

- ▶ Cemetery Mapping
- ▶ Vacuum Excavation
- ▶ Utility Designation

## REACH OUT

[www.withersravenel.com](http://www.withersravenel.com)

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**WithersRavenel**  
Engineers | Planners | Surveyors