

PROJECT

Trinity Church
New York, New York

CLIENTS

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New York, New York

Integrated Conservation Resources, Inc.
New York, New York

Right Above: Trinity Church
Right Below: Radar survey of church cemetery.

PROJECT DESCRIPTION

The third and current Trinity Church was completed in 1846 after the first two structures were severely affected by fire and weather. At the time of its completion, its 281-foot spire and cross was the highest point in New York until being surpassed in 1890 by the New York World Building. The Church is one of the first and finest examples of Neo-Gothic architecture in the United States. The adjacent original burial ground includes graves and memorials of many important historic figures such as Alexander Hamilton and Robert Fulton.



SERVICES PROVIDED BY ATKINSON-NOLAND

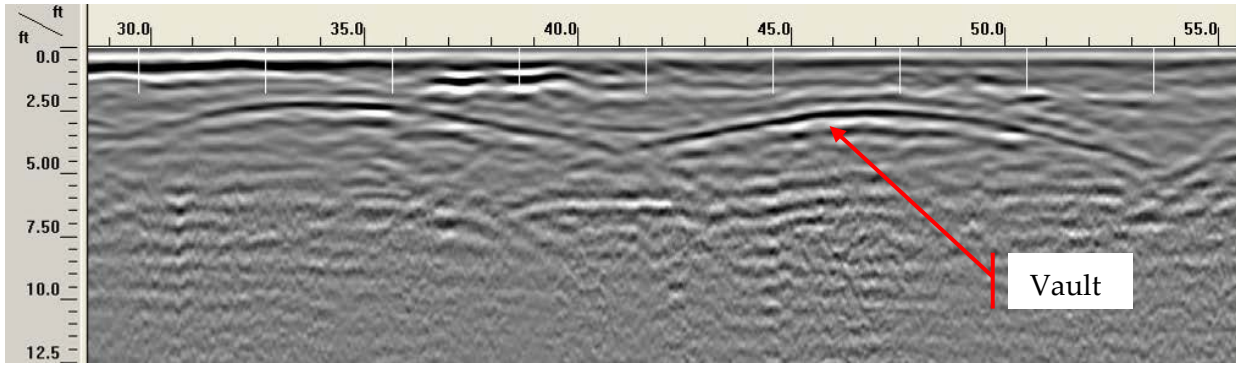
Atkinson-Noland & Associates conducted Ground Penetrating Radar (GPR) investigations in support of the stabilization work of the historic stone retaining walls along the churchyard. Wall construction was investigated using GPR to obtain wall thickness and profile and detect the presence of internal voids. Selected areas of Trinity Church graveyards were investigated to map out underground burial vaults and graves. GPR findings provided valuable information for the analysis of the walls and helped guide the installation of retrofit anchors so that the burial graves and vaults could be avoided.



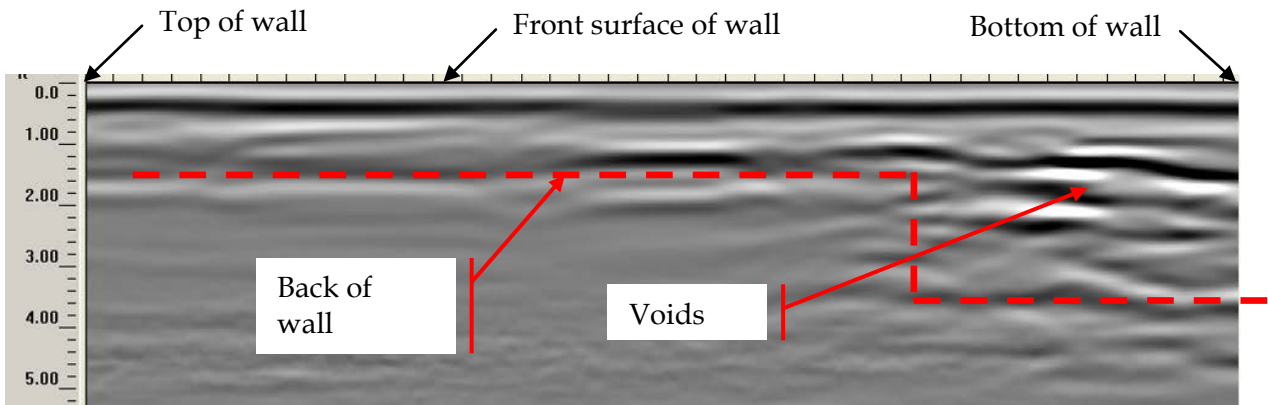
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Typical radar profile recorded at graveyard. Two large curved features are visible, indicating the presence of vaults with crown located 2'-6" below grade.



Typical radar profile of retaining wall with different thickness along the height. Voids are visible at the base of the wall. Scale at left in feet.

