



# TERRATECH

# SOIL SCAN REPORT

**Stacey Vierra**

**Maiden Tire and Wheel**

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15 N Carolina Ave, Maiden,  
North Carolina, 28650



980-310-6340



TerraTechSolutions.net



Info@TerraTechSolutions.net



Charlotte, NC



# TERRATECH

## SOIL SCAN REPORT

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TerraTechSolutions.net

Project Manager: Iliyan Krastev

Date: 05/07/25

Client Name: Stacey Vierra - Maiden Tire and Wheel

Site Address: 15 N Carolina Ave, Maiden, North Carolina, 28650

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### Scan Overview:

Dark Blue Areas - Soil disturbance and movement. Heavy concentration of dark blue indicates soil movement, subgrade voids, or pipes/utilities.

Light Blue - Minimal soil disturbance or non-homogeneous soils.

Red and Dark Red - A ferromagnetic hit.

Green - Homogeneous soils that have not been disturbed.

Yellow - Mineralization of soils

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### Present Issue:

Customer wanted to know if an old fuel storage tank has been removed or not.



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Recommendations:

Based on the scan data, Terra Tech could not identify any underground fuel storage tanks.



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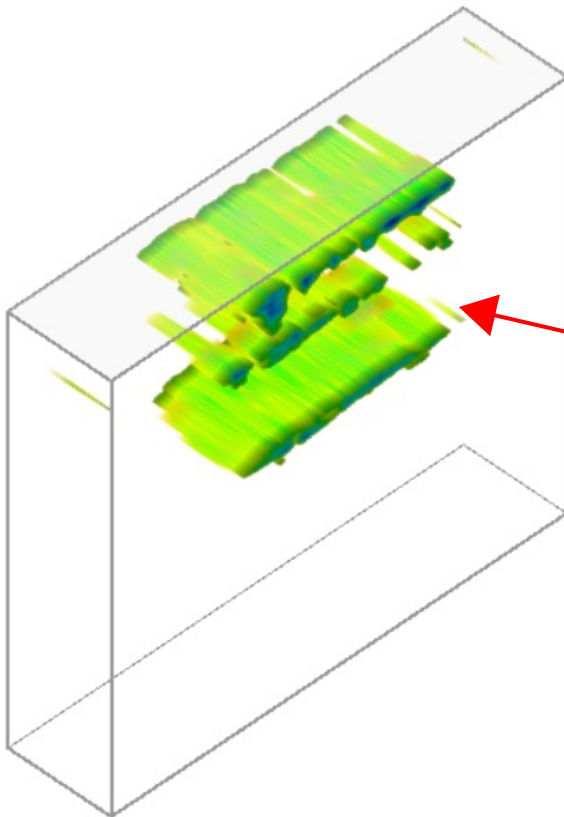
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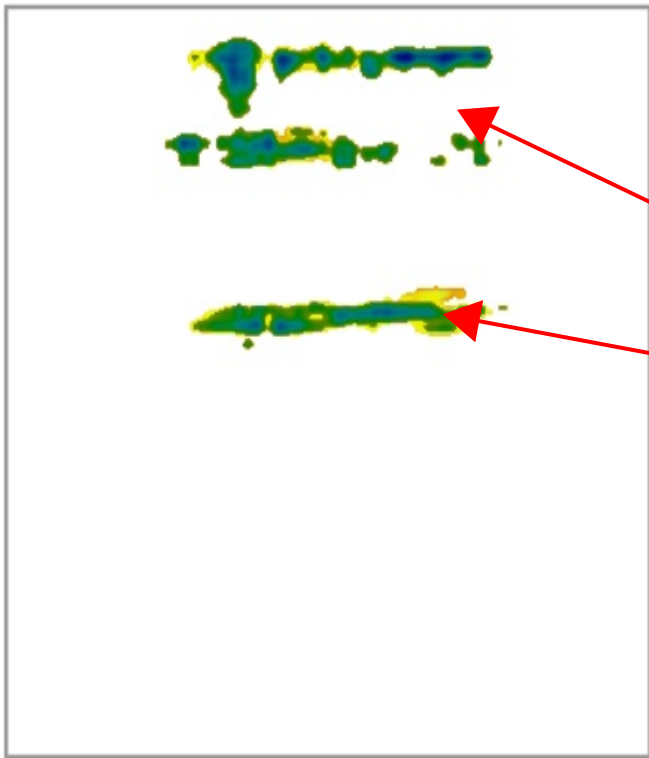
# Scan area in the front of the building near the road



Areas of small soil disturbance.  
Nothing big enough to be a storage tank.



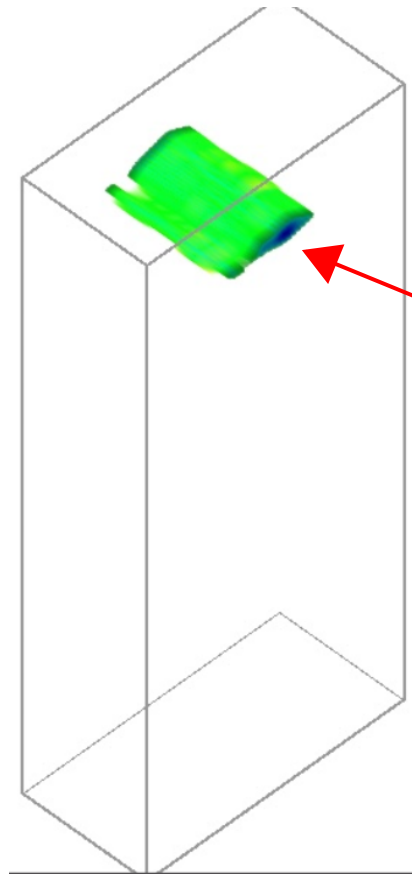
### Scan area in the front of the building near the road - side view



Some soil disturbance, utility lines and soil mineralization.



### Scan in front of the building



Utility line and undisturbed soils around it.



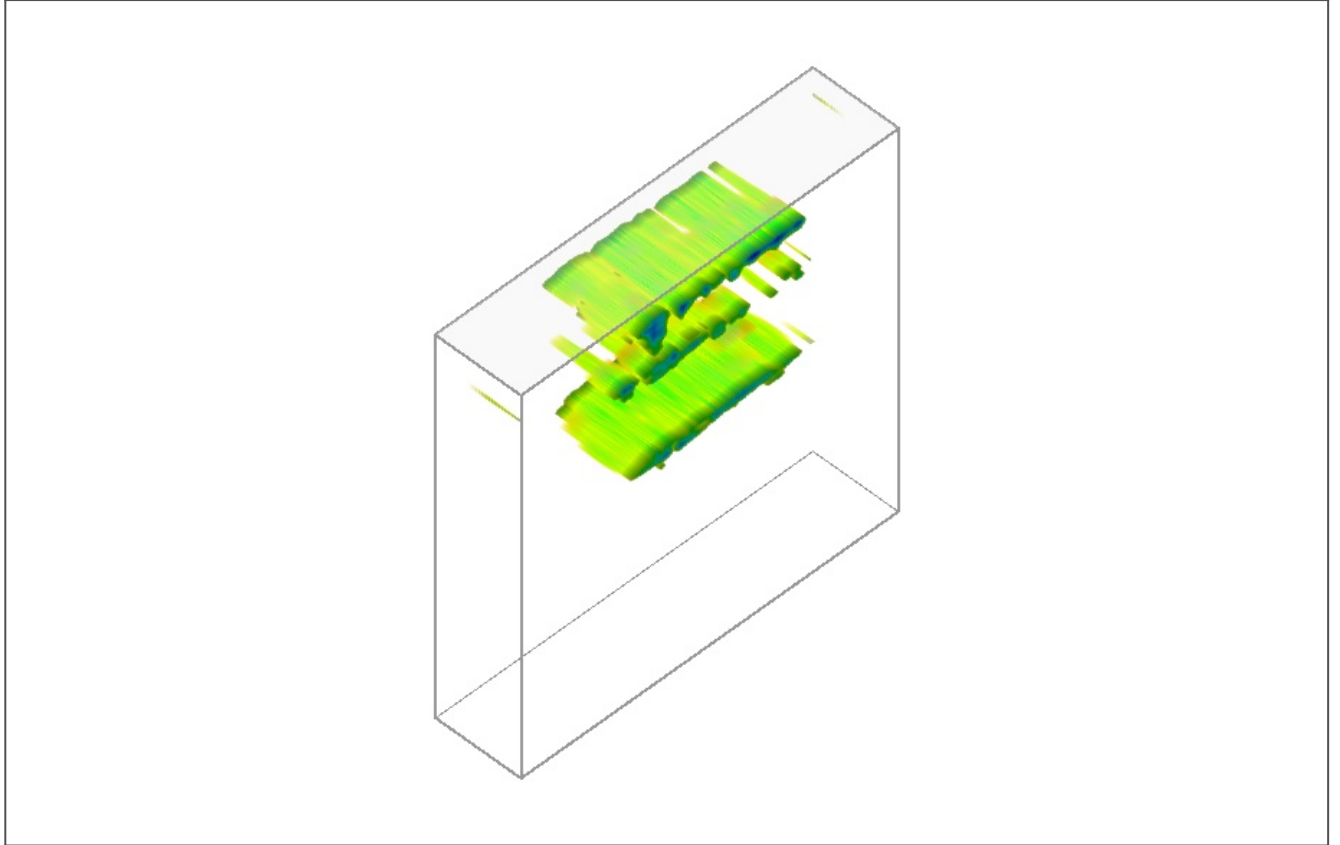


### Scan in front of the building - side view



Utility Line, small soil disturbance and undisturbed soils





## Scan Information

**Project Title:** autoshop

**Created:** 07.05.2025, 14:26

**Operating Mode:** Radargram (3D)

**Scan Mode:** Parallel

**Impulse Mode:** Automatic

**Field Length:** 13.41 m (792 Impulses)

**Latitude:** N/A

**Field Width:** 3.05 m (4 Scan Lines)

**Longitude:** N/A

**Notes:**





## Meta Data

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|                            |                         |
|----------------------------|-------------------------|
| <b>Date / Time</b>         | 07.05.2025, 14:26       |
| <b>Detector</b>            | OKM Gepard GPR 3D (2.0) |
| <b>Operating Mode</b>      | Radargram (3D)          |
| <b>Scan Mode</b>           | Parallel                |
| <b>Impulse Mode</b>        | Automatic               |
| <b>Samples per Impulse</b> | 512                     |
| <b>Depth Level</b>         | 3                       |



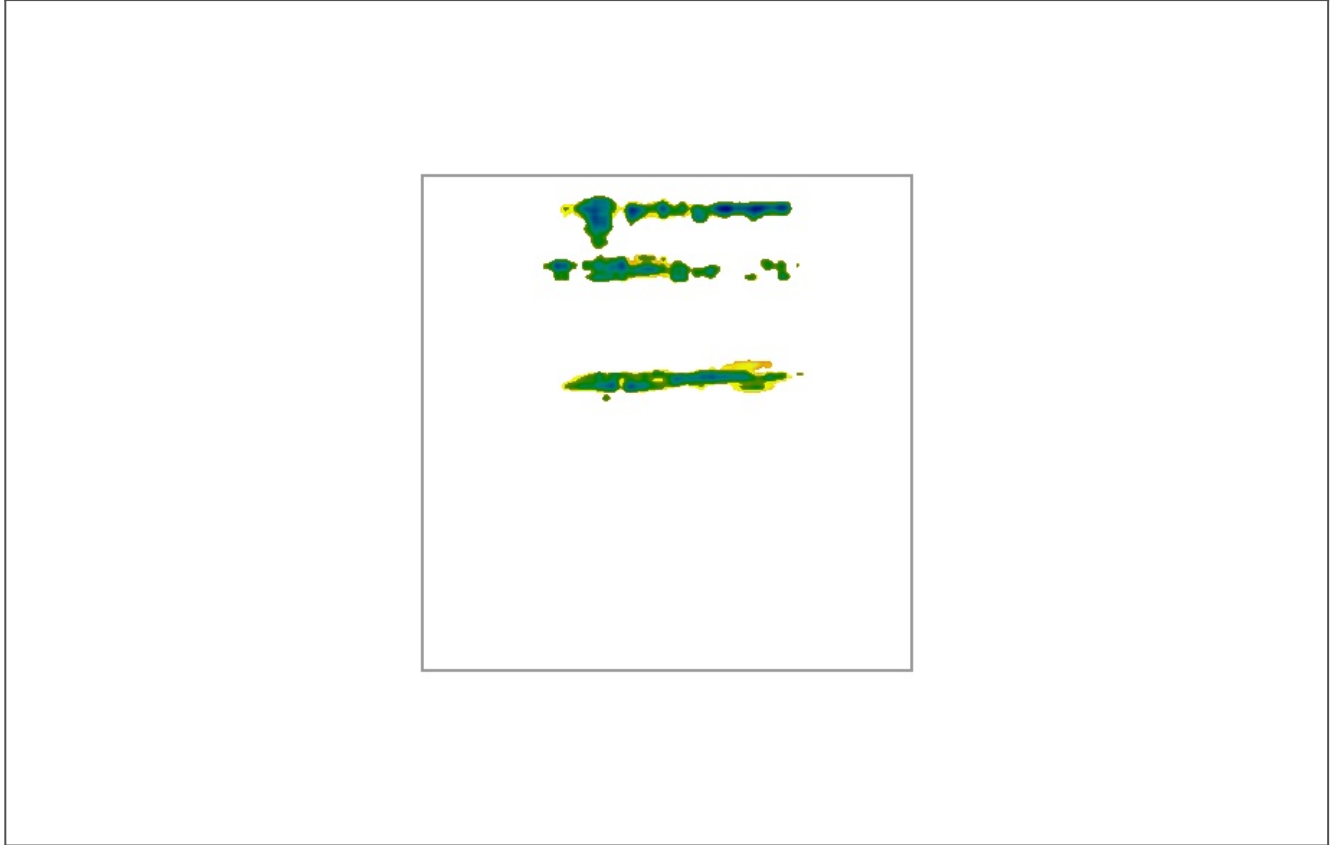
## Soil Type Information

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|                               |             |
|-------------------------------|-------------|
| <b>Soil Type:</b>             | Unknown dry |
| <b>Dielectric Constant:</b>   | 5.00        |
| <b>Relative Permeability:</b> | 7.75        |
| <b>Mineralization:</b>        | 25 %        |
| <b>Humidity:</b>              | 10 %        |
| <b>Homogeneity:</b>           | 79 %        |





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| <b>Impulse Mode</b>        | Automatic               |
| <b>Samples per Impulse</b> | 512                     |
| <b>Depth Level</b>         | 3                       |



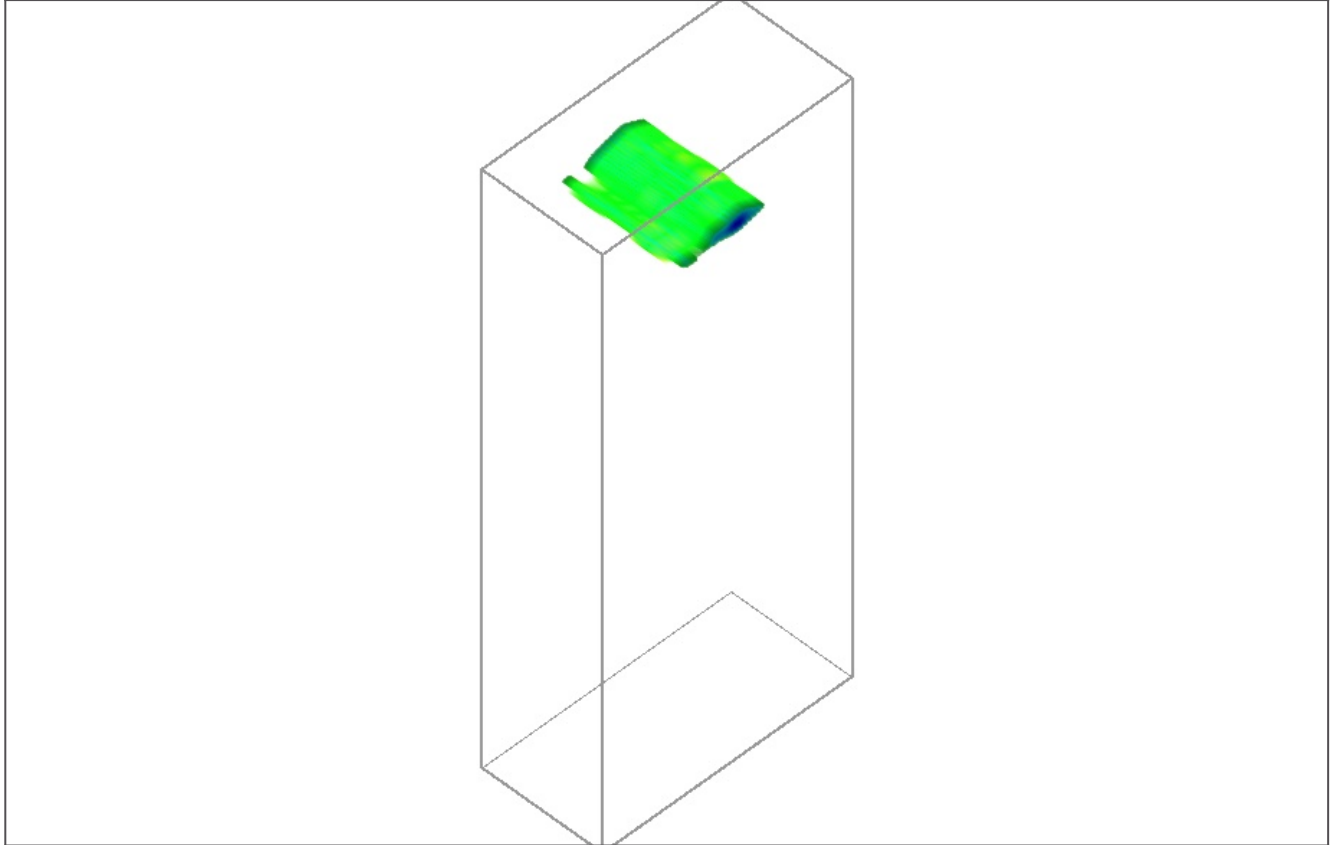
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## Scan Information

**Project Title:** autoshop 2

**Created:** 07.05.2025, 14:41

**Operating Mode:** Radargram (3D)

**Scan Mode:** Parallel

**Impulse Mode:** Automatic

**Field Length:** 9.45 m (494 Impulses)

**Latitude:** N/A

**Field Width:** 4.57 m (6 Scan Lines)

**Longitude:** N/A

**Notes:**





## Meta Data

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|                            |                         |
|----------------------------|-------------------------|
| <b>Date / Time</b>         | 07.05.2025, 14:41       |
| <b>Detector</b>            | OKM Gepard GPR 3D (2.0) |
| <b>Operating Mode</b>      | Radargram (3D)          |
| <b>Scan Mode</b>           | Parallel                |
| <b>Impulse Mode</b>        | Automatic               |
| <b>Samples per Impulse</b> | 512                     |
| <b>Depth Level</b>         | 5                       |



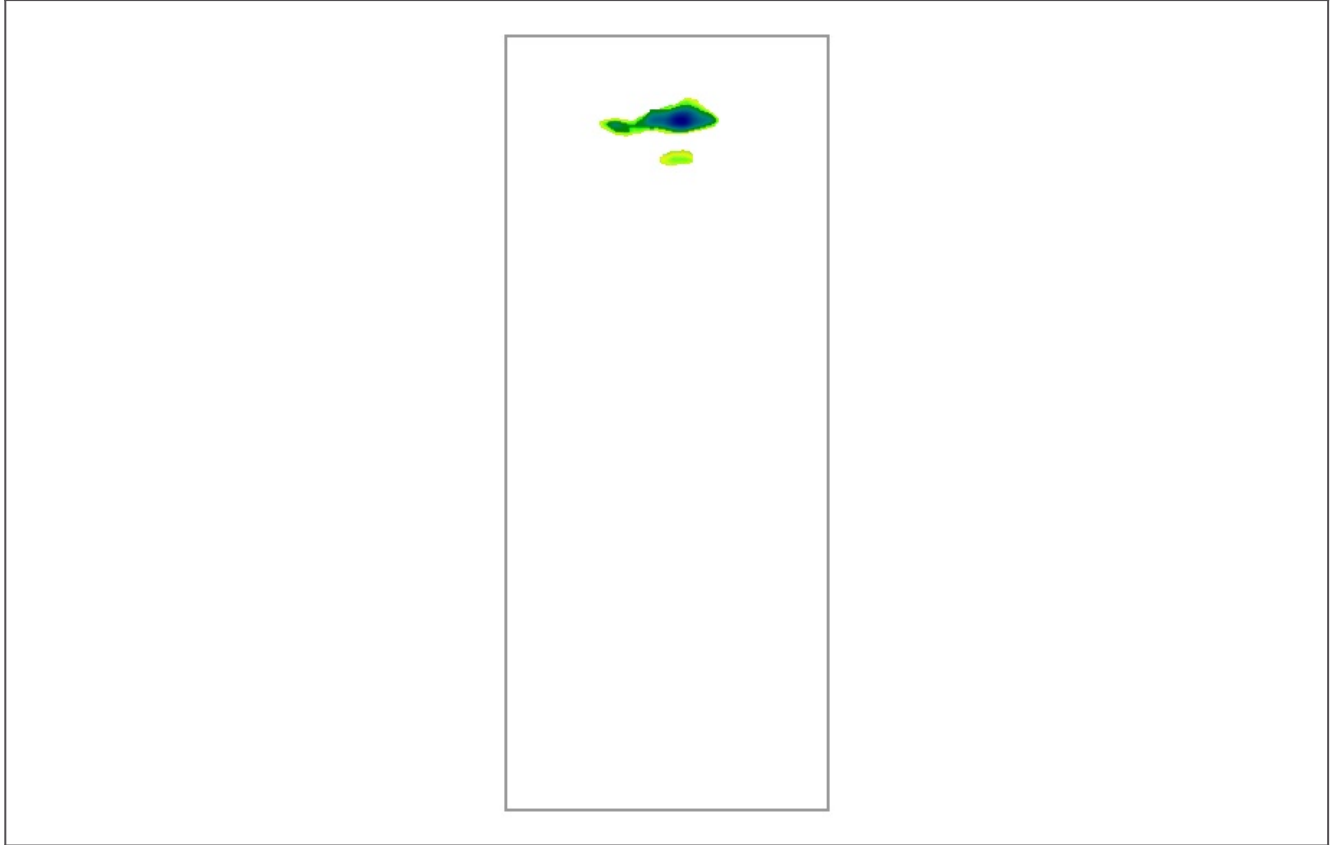
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