Additional Geophysical Survey at Oaklawn Cemetery, July 2020

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Technologies Used

- **Gradiometer**
  - Detects subtle magnetic variation in soils
  - Graves often are more magnetic than surrounding soil

- **Ground-Penetrating Radar (GPR)**
  - Sends radar pulse into ground, which reflects back to tell us size and depth of underground objects
Oaklawn Cemetery

October 2019
1. Clyde Eddy area with extensions
2. Original 18
3. Southwest corner
4. Sexton
5. Bike path
6. Paved road

July 2020
Map from 2001 article was published upside down, so we missed the anomaly they noted at that time.
Clyde Eddy Area: July 2020 Gradiometer
Clyde Eddy Area: July 2020 GPR

Oaklawn Cemetery
Clyde Eddy Area

MIKE SIMONS/Tulsa World
Clyde Eddy Area: July 2020 GPR
Large anomaly (ca 6x3 ft) in gradiometer data and in 4 consecutive GPR profiles
Oaklawn Cemetery-Original 18

Gradiometer

Electrical Resistance
Oaklawn Cemetery-Original 18
Summary and Update

• One potential location in the newly surveyed Clyde Eddy area
• Likely unmarked graves in the Original 18 area
• Planning more survey at the Canes
• Legal agreement in place between OU and Rolling Oaks
  • Stipulates that the owner needs to be present during fieldwork
  • He lives in California and can’t travel due to COVID and wildfires
  • Survey will take place as soon as possible