Macy NE – Omaha Reservation GPR

- GPR Survey Highlights 9/29/2025

PRECISION SURVEYING & CONSULTING INC.

Disclaimer

Please note that not all buried pipes, cables and ducts can be detected and mapped in consideration of their depth, location, material type, geology and proximity to other utilities. Even an appropriate and professionally executed survey may not be able to achieve a 100% detection rate.

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GPR Report definitions

Signals: GPR readings that indicate an area of soil change or that the soil contains something

Theorized: previous GPR surveys or contractor notes/testimony indicate something is in the noted location, but we have no definite asbuilt data to show exact location

Probable: the location or elevation of the line/pipe indicated by the GPR differs from the previously known information on said utility

Suspected: as not all buried pipes, cables and ducts can be detected and mapped in consideration of their depth, location, material type, geology and proximity to other utilities; it is most likely the noted signal is the known utility in said area, but there is usually room for speculation.

Overall area Map



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GPR of Area 1



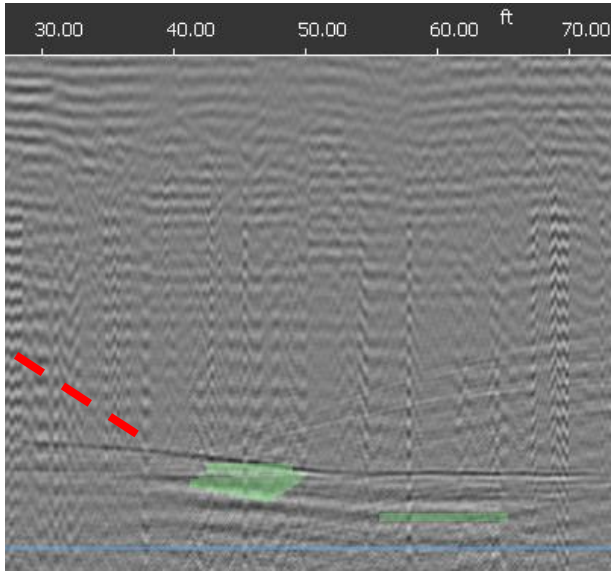


Signals related to noted anomalies



Signals of varying sizes were noted at depths averaging between 122 inches+- to about 200 inches+-; with the largest area being almost 15 feet across, it is probable that these could be large rocks, voids, pockets of water, heavily compacted soil, or a varying number of buried items. The areas marked with boxes show areas with clear soil compaction.

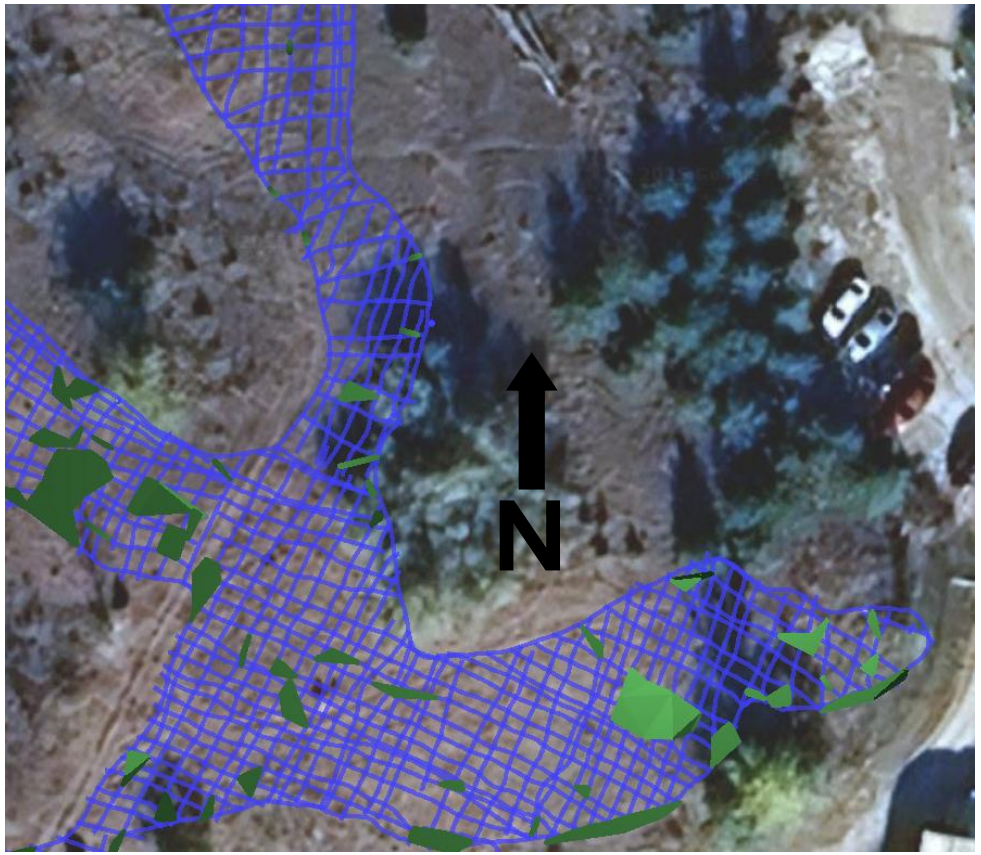
Example of seen soil compaction.



GPR of Area 2

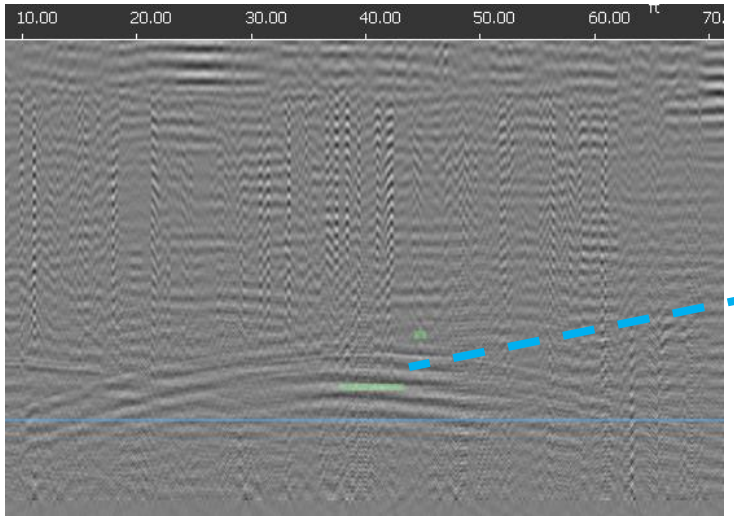






Signals related to noted anomalies

Signals of varying sizes were noted at depths averaging between 79 inches+- to about 201 inches+-; with the largest area being almost 21 feet across, it is probable that these could be large rocks, voids, pockets of water, heavily compacted soil, or a varying number of buried items. The areas marked with boxes show areas with clear soil compaction.



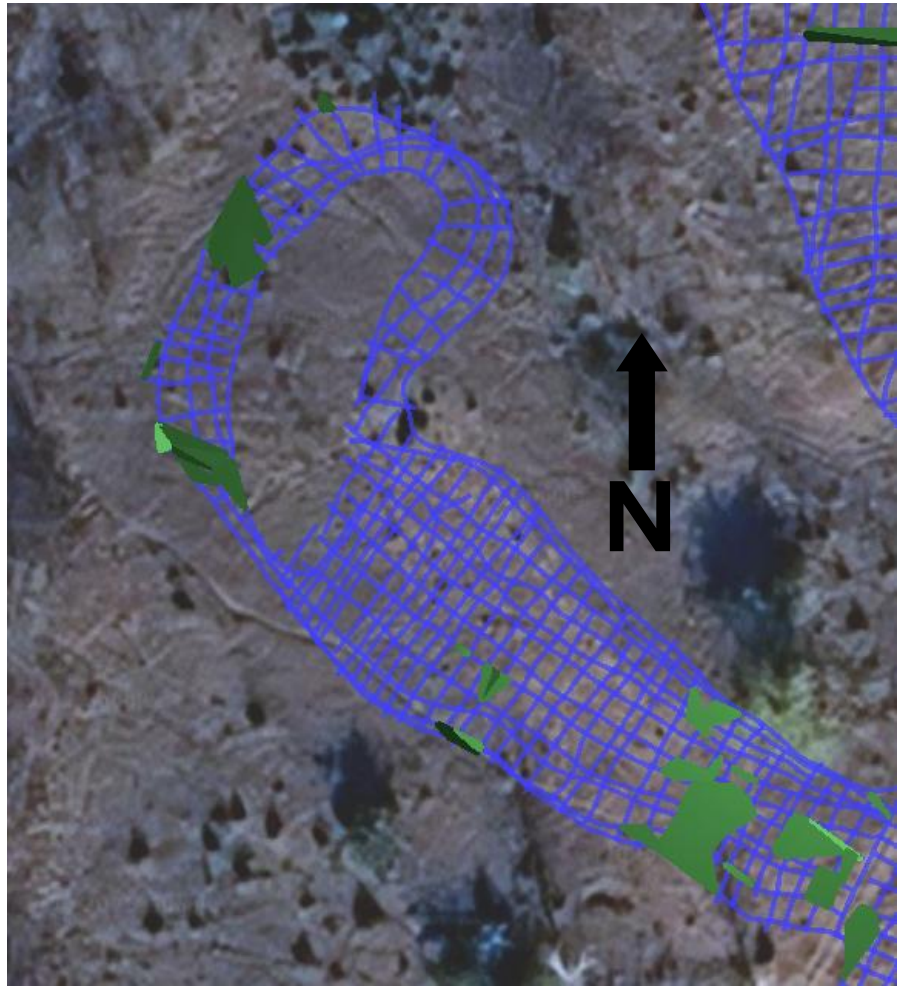
Example of seen soil compaction.



GPR of Area 3





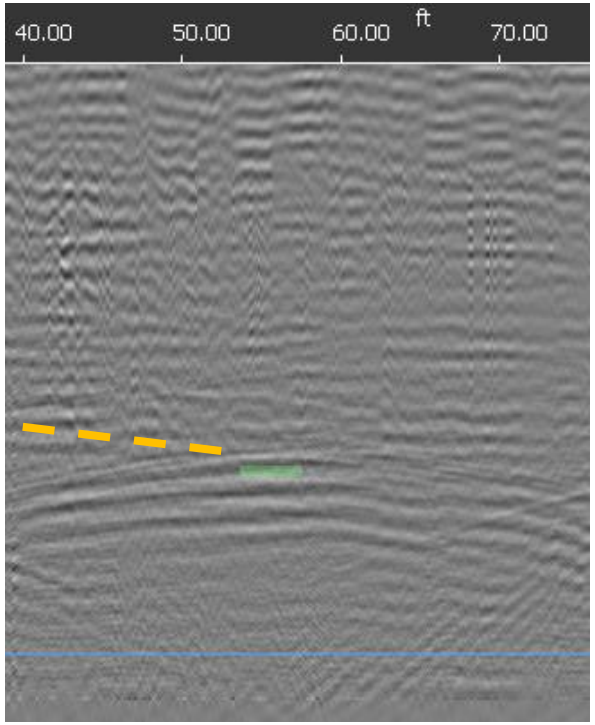


Signals related to noted anomalies



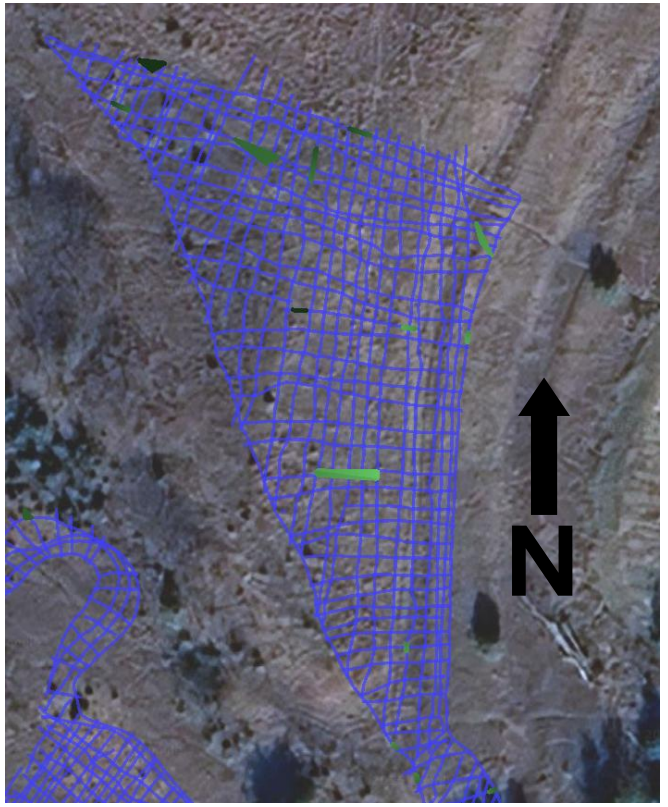
Signals of varying sizes were noted at depths averaging between 112 inches+- to about 192 inches+-; with the largest area being almost 16 feet across, it is probable that these could be large rocks, voids, pockets of water, heavily compacted soil, or a varying number of buried items. The areas marked with boxes show areas with clear soil compaction.

Example of seen soil compaction.



GPR of Area 4



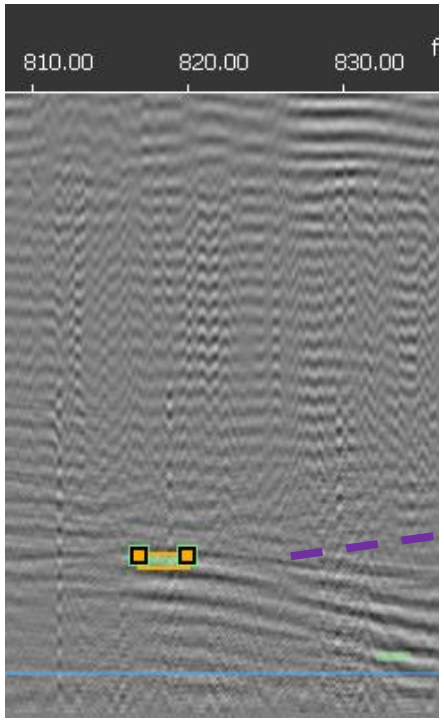






Signals related to noted anomalies

Signals of varying sizes were noted at depths averaging between 79 inches+- to about 201 inches+-; with the largest area being almost 24 feet across, it is probable that these could be large rocks, voids, pockets of water, heavily compacted soil, or a varying number of buried items. The areas marked with boxes show areas with clear soil compaction.



Example of seen soil compaction.



In conclusion

The GPR scans show a number of areas that indicate the presence of a fair number of isolated anomalies that are likely dense rocks, voids, soil saturation, or buried debris; several areas of noticeable soil compaction were seen, but no evidence supporting unknown utilities was noted.