



ADDENDUM

to the Midwest City Council Meeting

June 11, 2019 – 6:00 PM

City Hall - Midwest City Council Chambers, 100 N. Midwest Boulevard

C. CONSENT AGENDA.

15. Discussion and consideration approving an expenditure of funds in an amount not to exceed \$38,000.00 to Lemke Land Surveying (LLS) for boundary and topographic design survey services related to the 2018 Moving Midwest City Forward bond issue, Multi-Purpose Sports Complex located in the 9200 – 9400 blocks of S.E. 29th Street in Oklahoma City. (Public Works - V. Sullivan)
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ADDENDUM

to the Midwest City Memorial Hospital Authority Meeting

June 11, 2019 – 6:00 PM

City Hall - Midwest City Council Chambers, 100 N. Midwest Boulevard

B. DISCUSSION ITEMS.

5. Discussion and consideration approving an expenditure of funds in an amount not to exceed \$38,000.00 to Lemke Land Surveying (LLS) for boundary and topographic design survey services related to the 2018 Moving Midwest City Forward bond issue, Multi-Purpose Sports Complex located in the 9200 – 9400 blocks of S.E. 29th Street in Oklahoma City. (Public Works - V. Sullivan)



Public Works Administration
Vaughn Sullivan, Director
vsullivan@midwestcityok.org
R. Paul Streets, Assistant Director
rstreets@midwestcityok.org
8730 S.E. 15th Street,
Midwest City, Oklahoma 73110
O: 405-739-1060 /Fax: 405-739-1090

Memorandum

To: Honorable Mayor and Council

From: Vaughn K. Sullivan, Public Works Director

Date: June 11, 2019

Subject: Discussion and consideration approving an expenditure of funds in an amount not to exceed \$38,000.00 to Lemke Land Surveying (LLS) for boundary and topographic design survey services related to the 2018 Moving Midwest City Forward bond issue, Multi-Purpose Sports Complex located in the 9200 – 9400 blocks of S.E. 29th Street in Oklahoma City.

LLS has submitted a proposal letter with a scope of land surveying services that includes boundary and topographic design surveys on 94 acres located in the 9200 – 9400 blocks of S.E. 29th St. These surveys are required for the site design associated with the 2018 Moving Midwest City Forward Multi-Purpose Sports Complex.

The site design is necessary in order to prepare for meetings with Oklahoma City officials, Planning Commission, City Council, public hearings and any neighborhood meetings. Ultimately, this survey data and site design will be used in the preparation of construction documents associated with the Multi-Purpose Sports Complex.

Funds are budgeted and available in the bond issue account and the Midwest City Hospital Authority budgets. Staff recommends approval.

Vaughn K. Sullivan
Public Works Director

Attachment: Proposal Letter from Lemke Land Surveying



Surveying & GIS
Services Provider

May 30, 2019

Mr. Vaughn Sullivan
Public Works Director
City of Midwest City
VSullivan@MidwestCityOK.com
405.739.1061

Re: **Proposal for Surveying Services**
±94 Acre MWC Complex Property – Midwest City, OK

Dear Mr. Sullivan:

Thank you for requesting a proposal from Lemke Land Surveying for the referenced project. The proposed surveying services fall into two major categories as follows:

□ **Boundary Survey**

- Perform a Boundary Pin Survey and prepare a Plat of Survey depicting the subject Parcel(s) that meets or exceeds the requirements set forth by the Oklahoma Minimum Standards for the practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.
- In addition to the boundary lines, the Plat of Survey will depict parcel delineation lines, platted lots/blocks/easements (if applicable), easements, and rights-of-way from documents provided to the Surveyor and from those courthouse record documents discovered by the Surveyor. The Plat of Survey will include applicable information from Survey(s) performed by others that are provided to Lemke.
- This scope includes the preparation of Legal Descriptions & Drawings to support land exchange actions within the overall ±94-acre property. Corner pins for the new parcel(s) layout will be set in the ground according to Oklahoma Minimum Standard Requirements.
- Signed/sealed hardcopy prints as well as digital PDF files will be delivered of Plat of Survey and the land exchange support documents.

These Boundary Survey services will be performed for a total fee of \$9,500. Completion of the initial Boundary Survey and delivery of the associated Plat of Survey will be no later than 28 calendar days from written authorization to proceed.

□ **Topographic Design Survey**

Lemke will perform a comprehensive Topographic Design Survey to support site planning, engineering design, and construction activities. The survey will include:

Norman
3226 Bart Conner Drive
Norman, OK 73072
Phone 405.366.8541
Fax 405.366.8540

Tulsa
7060 S. Yale Avenue
Suite 603
Tulsa, OK 74136
Phone 918.895.9383
Fax 918.895.9768

- Construction Control Points: Ground control suitable for future surveys and construction layout will be placed at convenient locations throughout the project area so that elevations may be established without running levels from a remote benchmark. Permanent control points will be tied to Oklahoma State Plane NAD83(CORS96) horizontally and to NGVD88 vertically. The control points will be located in areas likely to be undisturbed by construction. The number of and location of control points will be determined to best serve the project site and the specific site conditions. The established control points will be indicated on the survey.
- Topographic Survey: Survey limits are...
 - North - centerline (crown) of SE 29th Street
 - South – north edge of the north I-40 paved shoulder
 - East – 15' beyond property line
 - West – 15' beyond property line
 - The first storm and sanitary structures beyond these limits will additionally be collected
 - The area is depicted in **RED** on the attached exhibit

The site will be surveyed conventional surveying equipment/methodology primarily and will be supplemented with UAV (drone) survey technology.

The survey will include all existing surface features. Ground surface contours on a 1-foot interval with key spot elevations will be depicted. Collected will be typical surface features such as pavements (with type noted – asphalt/concrete), pavement striping (including ADA), curb/gutter, building footprints, fences, individual standalone trees, wooded areas, sidewalks, signs, utility structures, light poles, overhead utility lines, culverts, creek flowline/tops/toes, etc. Finished floor elevations of all structures within project limits shall be noted.

Lemke will submit an OKIE811 ticket at least 72 hours before commencing the survey and will attempt to make contact with each of the member utilities listed on the ticket. In addition, an attempt will be made to contact utility owners or operators additional to those listed on the ticket for whom evidence of existence is observed in the field. The survey will collect and depict observable utilities, observable utility evidence, marked utilities, and collected utility atlas information. Manhole, catch basin, and storm inlet flowline and rim elevations will be collected and pipe sizes measured for sanitary sewer and storm drain structures inside the survey limits as well as those immediately upstream and downstream of the survey limits. Culvert flowline and sizes will be measured and depicted. Valve boxes, electrical manholes/vaults, and all utility poles / guy

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wires will be located with coordinates and identified in the survey. A utility report will be prepared summarizing all discovered utility data and utility contact information.

Also included in this survey scope:

- A current georeferenced digital orthographic photo flown at the time of this survey that covers of the entire site.
 - Depiction of the existing FEMA/FIRM information oriented to the site.
 - Cross-Sections for the HEC-RAS Model
- o Topographic Survey Deliverables: The Surveyor will deliver a survey product that is **"Design Ready"** for the Engineer & Architect's benefit and use. The survey information will be furnished as electronic files ready for use with AUTOCAD Civil 3D 2018 (or later). CAD data shall be provided on separate electronic "layers" that follow A/E/C Standards. The layers shall identify survey shot locations (and distinguishes hard ground shots from aerial model shots) with numbers, planimetric data, elevation data, contours on 1-foot interval with 5-foot index contour lines, utilities, etc.

A "thumb-drive" will be submitted containing the original ASCII comma delimited or space delimited point file (Point No., Northing, Easting, Elevation, Point Description), the modified ASCII point file from which the DTM was created, the site surface in exported Land XML format, in addition to the CAD and orthophoto files. Interim submittals (work-in-progress) will be made upon request. Also delivered will be signed/sealed PDF and hardcopy drawings.

These Topographic Design Survey (including utility research) services will be performed for a total fee of \$28,500 and will be completed/delivered within 45 calendar days from written authorization to proceed.

Thank you again for considering Lemke Land Surveying and please don't hesitate to call should you have questions, need clarification, or have scope/fee adjustments.

Sincerely,

Steven K. Lemke, PLS, PE
Principal - Lemke Land Surveying, LLC

cc Mr. Robert Colman – City of Midwest City


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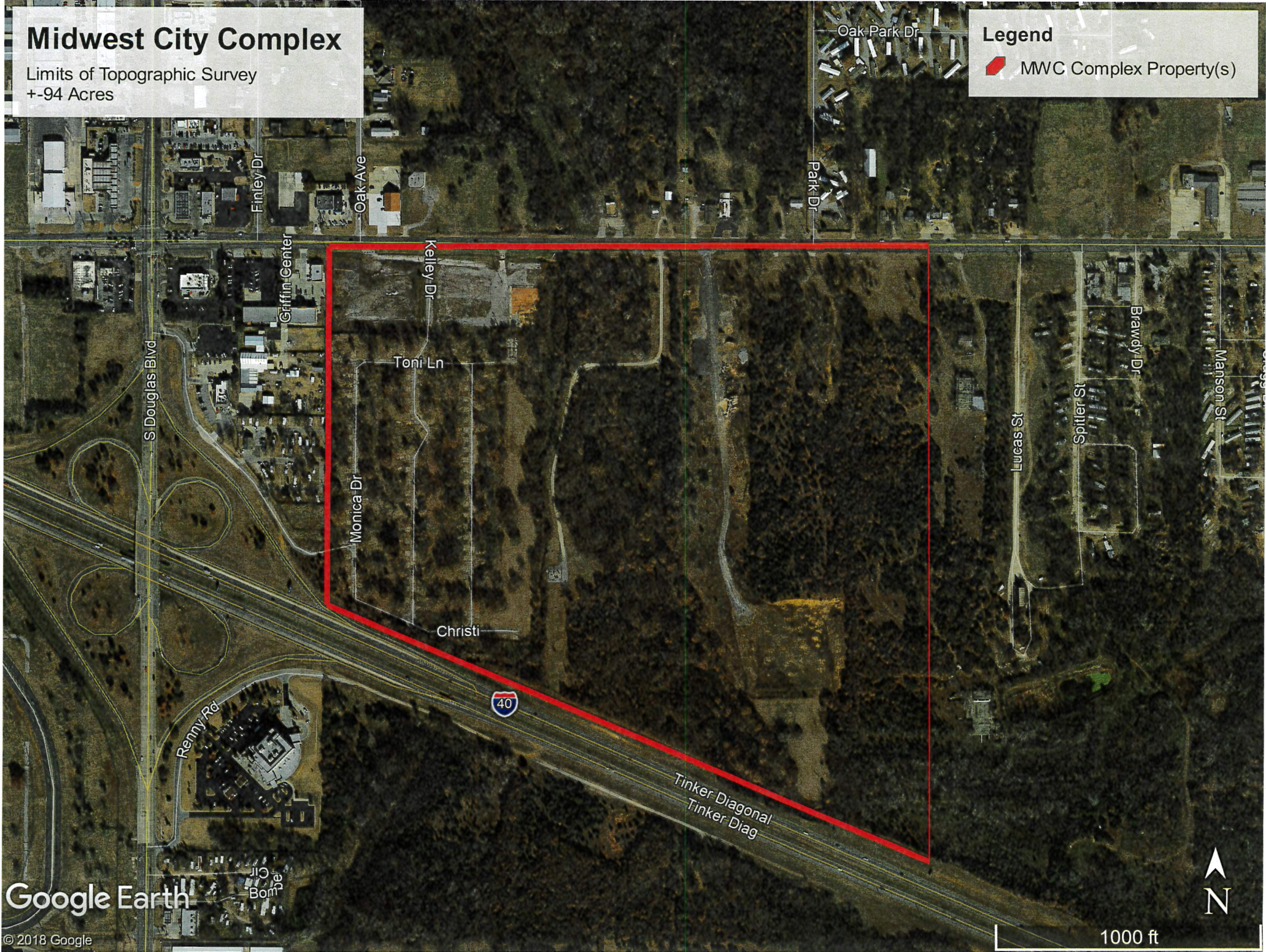
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Midwest City Complex

Limits of Topographic Survey
+-94 Acres

Legend

 MWC Complex Property(s)



Google Earth

© 2018 Google

1000 ft





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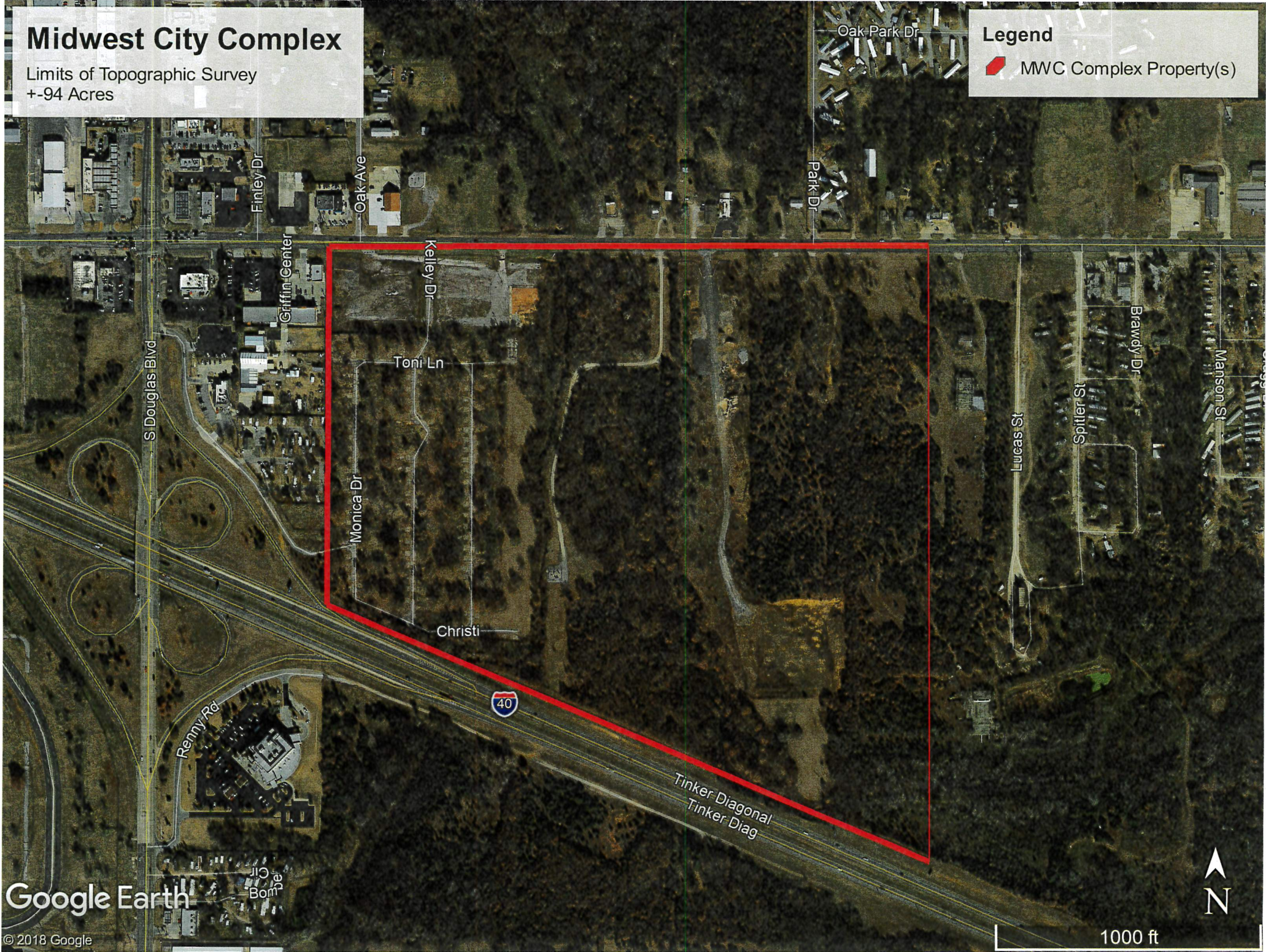
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Limits of Topographic Survey
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Legend

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Google Earth

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1000 ft

