

**CITY OF LA VISTA
MAYOR AND CITY COUNCIL REPORT
DECEMBER 7, 2021 AGENDA**

Subject:	Type:	Submitted By:
PROFESSIONAL SERVICES AGREEMENT CENTRAL PARK PAVILION & SITE IMPROVEMENTS BOUNDARY & TOPOGRAPHIC SURVEY	◆ RESOLUTION ORDINANCE RECEIVE/FILE	PAT DOWSE CITY ENGINEER

SYNOPSIS

A resolution has been prepared authorizing a Professional Services Agreement with Thompson, Dreessen & Dorner, Inc, (TD2) to produce a boundary and topographic survey of the area in and around the Central Park Pavilion project in an amount not to exceed of \$8,875.00.

FISCAL IMPACT

The FY21/22 Biennial Budget includes funding for this project.

RECOMMENDATION

Approval

BACKGROUND

The rough grading work for the Astro Theatre project is nearing completion, which also completes a portion of the grading for the Central Park Pavilion and Site Improvements project. In order to finalize the design of the Pavilion in relation to the current topography, a boundary and topographic survey will need to be performed. TD2 has provided survey work in the vicinity on related projects, and therefore is recommended to perform the requested professional services. The survey work is anticipated to be completed in the month of December 2021, with a final deliverable to the City in early January 2022.

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, NEBRASKA AUTHORIZING THE EXECUTION OF A PROFESSIONAL SERVICES AGREEMENT WITH THOMPSON, DREESEN & DONER, INC (TD2), OMAHA, NEBRASKA, TO PRODUCE A BOUNDARY AND TOPOGRAPHIC SURVEY IN AN AMOUNT NOT TO EXCEED \$8,875.00.

WHEREAS, the Mayor and City Council have determined that the boundary and topographic survey of the area in and around the Pavilion project is necessary; and

WHEREAS, the FY21/22 Biennial Budget provides funding for the proposed services;

NOW, THEREFORE BE IT RESOLVED, by the Mayor and City Council of La Vista, Nebraska, that a professional services agreement, in a form satisfactory to the City Administrator and City Attorney, be authorized with Thompson, Dreesen & Doner, Inc (TD2), Omaha, Nebraska, to produce a boundary and topographic survey in an amount not to exceed \$8,875.00.

PASSED AND APPROVED THIS 7TH DAY OF DECEMBER 2021.

CITY OF LA VISTA

ATTEST:

Douglas Kindig, Mayor

Pamela A. Buethe, CMC
City Clerk

Email transmitted to: pdowse@cityoflavista.org

November 18, 2021

Mr. Patrick M. Dowse, PE
City of La Vista
9900 Portal Road
La Vista, NE 68128

RE: **Proposal for Surveying Services [S-21363]**
Central Park Pavilion and Site Improvements
City of La Vista, Nebraska

Mr. Dowse:

Thompson, Dreessen & Dörner, Inc. (TD2) appreciates the opportunity to submit this proposal for the preparation of a boundary and topographic survey for Central Park Pavilion and Site Improvements to the City of La Vista, Nebraska.

Scope of Work - Topographic Survey:

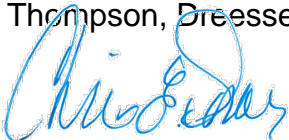
- TD2 will prepare a survey in conformance with the attached Scope of Services / Tasks.
- TD2 will use UAV Technology to obtain the location of topographic features and ground elevations if weather conditions permit such use to meet the project schedule, otherwise conventional survey methods will be utilized to complete the survey.

Fee

TD2's fee to provide the surveying services described under the Scope of Work is **\$8,875.00**.

Again, TD2 appreciates the opportunity to submit our proposal. If it is acceptable, please have a copy signed on behalf of the entity for which we would be working. Please contact me if clarifications are needed.

Respectfully Submitted by:
Thompson, Dreessen & Dörner, Inc.



Chris Dorner, L.S.

Accepted this _____ day of _____, 2021

For: _____ By: _____
Company or Person(s)

Central Park Pavilion and Site Improvements – Topographical Survey
City of La Vista, Nebraska
11/12/21

Scope of Services/Tasks:

The following services/tasks at a minimum, but not limited to, will need to be provided:

- 1) Complete a topographical survey. This should include the following features:
 - Elevation points shall be taken every 25 feet at designated locations, including spot grades at high points, low points, and grade changes. Points required are located at the sidewalks, driveways, back of curb, edge of pavement, top of curbs and gutter flowlines. Survey points with elevation information shall be shown to the nearest one-hundredth of a foot for shots taken on hard surfaces and to the nearest one-tenth of a foot for shots taken on soft ground features.
 - All above-ground features, such as light poles, utility poles, sidewalks, fences, retaining walls, mature trees and saplings (edge of canopy when appropriate) and signage.
 - Underground utilities, such as storm sewer, sanitary sewer and their respective appurtenances, etc. (location and elevation of inverts, rim elevations, flow direction, size and rim elevations labeled in the CAD file).
 - Underground utilities, such as gas, electric, water main, cable TV, telephone lines and their respective appurtenances. This information shall be obtained from a Nebraska811 locating request for survey purposes.
 - Right-of-way, property lines and other survey markers, etc. Survey shall be on the same coordinate system as the La Vista City Centre surveys.
 - Identify and show all utility easements from recorded subdivision plats.
 - Identify and show three settlement plates that exist on the Pavilion building pad
- 2) Aerial topographic survey portions of the work shall comply with the following:
 - Consultant shall perform aerial topographic survey of the site area. The horizontal mapping scale shall be 1" = 50 ft. Contour interval shall be 1 foot.
 - Consultant shall lay necessary flight cross or ground control targets placed on public property.
 - The horizontal and vertical ground control points shall be tied to the control points used in prior surveys for La Vista City Centre.
 - Consultant's topo contours shall match to the elevations of field survey spot elevations.
 - Contours in the Thompson Creek channel (wetlands area) are not required.
- 3) Deliverables include the following:
 - A topographic map electronic file showing the site area in AutoCAD Version 2019 or other City accepted version.
 - Topo lines shall be accurate to within 0.5 feet of the indicated elevation, that is, the actual elevation of a location on the site shall vary no more than 0.5 feet from the indicated elevation.
 - Contour lines shall be poly lines with widths set to 0.

- Consultant shall use individual layers for each class of features in the topo that are required in Section 1 above.
- Control points shall be identified in the topo on a separate layer titled "Survey Controls"
- One hard copy print of the topo. Consultant shall certify the topo to be accurate. The hard copy print shall list the survey control points and the datum reference.
- The Consultant shall provide ortho photos with aerial topographic survey. The photos shall be in color.
- The AutoCAD file and ortho photos shall be provided on a flash drive to the City.

4) General Requirements:

- The City will provide the Consultant with a benchmark using NAVD88 as a vertical datum and horizontal control points from a previous survey on La Vista City Centre.
- The Consultant shall provide a brief report describing the equipment, software and procedures used to perform the survey. All surveying instruments shall be kept in proper adjustment and calibration.
- All field notes shall be retained in a legible and orderly fashion that will be understandable to non-firm staff. Next to the CAD file, an electronic PDF file copy of all field notes shall be submitted with the final survey files.
- The Consultant shall obtain all required permits and licenses for compliance with FAA regulations and for the proximity to the Millard Airport to conduct aerial surveying activities.

Tentative Project Schedule:

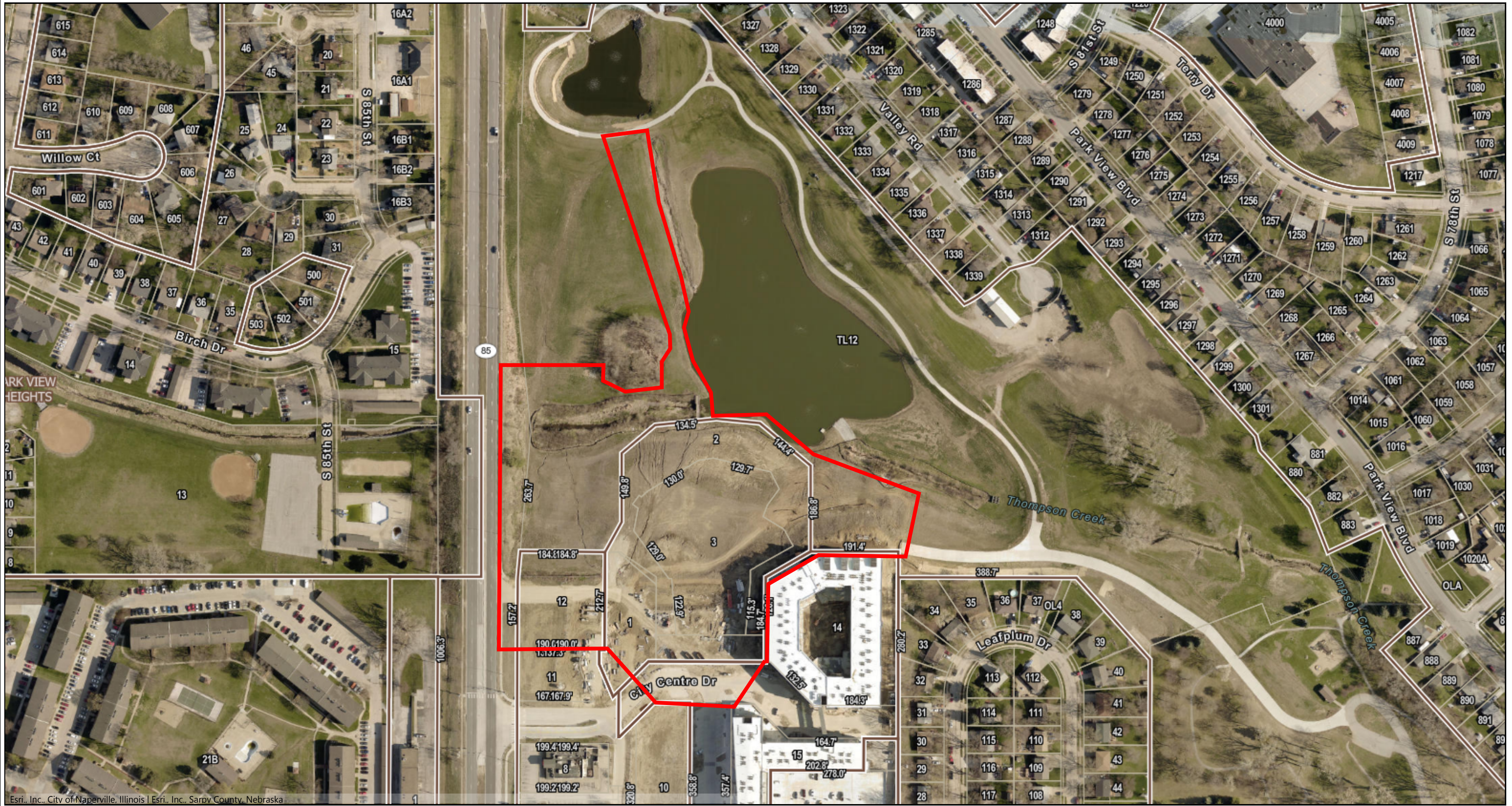
The anticipated dates for agreements and performance of the work are listed below:

- November 26, Scope of Work and Deliverables agreed upon in principle
- December 7, City Council Approval of Amended Contract
- December 17, 2021- Initial Deliverable Due to City for Review
- December 31, 2021- City Comments due to Consultant
- January 7, 2021 – Final Deliverable to City

NOTE: The aerial survey must be performed prior to snow cover.

Appendices:

- Exhibit A: Survey Area Map
- Exhibit B: Topo survey by TD2 dated
- Exhibit C: City/Olsson to provide topo from 84th Street Streetscape (not included, forthcoming)



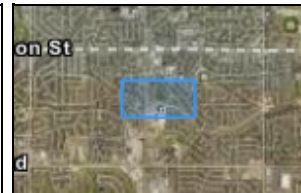
Esri, Inc., City of Naperville, Illinois | Esri, Inc., Sarpy County, Nebraska

0 300 600
ft



Map Scale 1: 3185

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the source records and information sources to ascertain the usability of the information.



Notes

EXHIBIT "A" - SURVEY AREA MAP