

EXHIBIT "A"
SCOPE OF SURVEYING SERVICES
CITY OF SANTA ROSA DISTRICT OFFICE
TOPOGRAPHIC MAPPING AND UTILITY SURVEY
PREPARED FOR
SANTA ROSA CITY SCHOOL DISTRICT
C/O BRIAN CAMERON, VPCS
PREPARED BY
BRELJE & RACE ENGINEERS
B&R JOB NO. 4148.02
December 19, 2023

Discussion

Our office was contacted to provide a proposal to prepare a design level topographic map and underground utility survey of the Santa Rosa City Schools District office and maintenance and operations area located at 211 Ridgeway Avenue, Santa Rosa. This topographic mapping and utility survey is being performed to support a future anticipated project. The limits of ground and utility surveys are as requested by the project manager and generally as indicated on the attached exhibit B.

1. Topographic Design Survey

Conduct field surveys, supporting office calculations, and drafting for the limits as generally depicted within the yellow border on the attached Exhibit B. Topographic mapping within the limits shown will include:

- Building corners
- Grade elevations at exterior doors
- Existing building finished floor elevations where possible
- Existing walkways with paired elevations at 15' o.c. for cross slope determination
- Paved areas between buildings for access compliance determination
- Top of curbs at all angle points, BCR, ECR, and at 25' o.c. maximum
- Topographic survey will extend to the face of curb at Ridgeway Avenue
- Grade shots through open paving or other areas at 50' o.c. maximum
- Swales or drainage courses
- Hardscape features
- Stairs and ramps
- Fences and gates
- Retaining walls, including TW and BW elevations
- Water valve boxes, irrigation boxes, dry utility structures, etc.
- Visible surface utility features including dips of sewer or storm structures where possible
- Grade at existing tree trunk with diameter greater than 4" at 4' height, identify species

Mapping to be prepared at a scale of 1" = 10' on the NAVD88 datum. Provide completed mapping in both pdf and AutoCAD format to client for use in design.

2. **Underground Utility Survey**

Location of underground utilities by Subtronic Corporation utilizing electromagnetic field induction and ground penetrating radar for location limited to the area indicated within the yellow border on the attached exhibit B:

- Metallic utilities – electric, telephone, gas, and water
- Non-metallic utilities with tracer wire visible
- Sewer and drain lines with minimum 4" cleanout or manhole access will be located by inserting a transmitter
- Incorporation of underground utility information, provided in CAD by Subtronic to Brelje & Race, into topographic mapping. Adjustment of linework, layers, and text for plan clarity.

3. **Fee**

Our fees for this work shall be billed monthly on a lump sum, percentage of completion basis, as follows:

Item 1.: Topographic Design Survey:	\$ 23,500.00
Item 2.: Underground Utility Survey:	\$ 22,800.00

Total Fee: \$ 46,300.00

Excluding fees for reproduction and plotting services, which will be billed in addition to the engineering fees.

4. **Assumptions and Limitations**

- Survey will not include features (cleanouts, manholes, drop inlets, etc.) that are obscured by vegetation, debris, or otherwise hidden.
- Subtronic Corporation shall be subcontracted by Brelje & Race to provide underground utility locating services.
- Topographic survey does not include a boundary survey. Property lines and easement locations will not be shown. For the delineation and location of property lines and easements, an additional services agreement would be necessary.
- Owner to provide any available existing record utility plans.
- Depths of utilities will be provided where possible within 10% accuracy.
- Proposal assumes that owner will pay all application, processing, inspection, and other fees in conjunction with this application.
- The Engineers Services Rate Schedule is adjusted March 1 of each calendar year. Any work performed after March 1, 2024 would be subject to adjustment based on the current fee schedule.

Exhibit B

Ridgeway High School

Ridgeway High - Quote as a separate Line Item

Courtemarche Track

Nevers Field

Ridgeway High School Survey
Topographic and Utility surveys

SRCS District Office
211 Ridgeway

Exclude this area from utility survey

District Office Survey
Topographic and Utility surveys

Santa Rosa Fire Life Safety

Call Child Development Center

North

