



PROJECT NUMBER _____
PROJECT NAME _____
PROJECT MANAGER _____
DATE REQUIRED _____
ESTIMATED HOURS _____
TASK CODE _____

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ATTACHED SCOPE

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SITE PHOTOS

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INVERTS

ADDITIONAL SURVEY INSTRUCTIONS:

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COMMENTS:

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January 8, 2019

Re: Design Topographic Survey for the proposed entrance design at Bonneville, Aspen,
Highland Elementary Schools.
Subject: Proposal to Provide Professional Surveying Services.

Pursuant to a request, we respectfully offer the attached scope of work services with associated fees for three sites in Alpine School District:

Bonneville Elementary, 1245 North 800 West, Orem, UT 84057
Aspen Elementary, 945 West 2000 North, Orem, UT 84057
Highland Elementary, 10865 North 6000 West, Highland, UT 84003

Meridian is thankful to you and for this opportunity. If you need any other information or clarification for this scope of work, don't hesitate to contact me.

Respectfully,

Jefferson Searle, PLS
Meridian Engineering, Inc.

cc: Nichole Luthi, PE
File



Outlined below is the Scope of Work to complete the referenced project:

1) DESIGN TOPOGRAPHIC SURVEY - Task items include:

- a. Establish a horizontal and vertical control point(s) adjacent to the site for use by contractor (rebar & cap, or nail and washer stamped Meridian Eng). Vertical and Horizontal control will be referenced to the State TURN GPS network and tied to the NSRS (NAVD88, NAD83).
- b. Contours will be mapped at 1'-0" intervals except for grades in excess of 10%. Contour interval will be 2'-0" for sites with grade in excess of 10%.
- c. All surface utility features (hydrants, valves and manholes), surface improvements, buildings, canals or ditches, trees, fences, and major grade breaks visible at the time of the survey will be shown on the map. The surveyed area will extend to the area shown on the attached site maps except as needed to complete control ties.
- d. Spot elevations will be shown on the map at existing structures, curbs, road centerline, and abrupt grade breaks if necessary to delineate the site topography.
- e. Large (dense) areas of trees or thick brush will be outlined.
- f. Finish floor elevations at all doorways, when access is provided.
- g. Survey will **not** include boundary work or reference to PLSS or city street monumentation.
- h. Mapping of utilities is **not** included as a part of this proposal.
- i. Mapping of wetlands is **not** included as a part of this proposal.
- j. Mapping of test holes or environmental borings are **not** included unless these are completed before the topographic survey. New improvements completed, or features requested after the field work is completed will be surveyed at the written request of the Client at the hourly rates indicated below.
- k. Meridian will provide a current AutoCAD drawing of the above survey information for the site development of the subject parcel.

All three sites will be able to be surveyed in a single day, subject to weather, school security and access to the sites. Notification of schedule will be provided by the client to the School District and each school notified.

PROJECT FEE

Meridian proposes to provide the above defined scope of work services for a lump sum price shown below. The breakdown of our costs is as follows:

TASK

FEE SCHEDULE

1) Design Topographic and Utility Survey

a. Scanning Field Crew	\$ 1,920.00
b. Processing and Extraction	\$ 1,800.00
c. Topographic Labeling and QC	\$ 450.00

Total Lump Sum: \$ 4,170.00

Additional work which is **not** included in this Scope of Work but required for the project will be approved by the Client and completed at the staff rates shown below.

STAFF RATES:

Project Manager	\$ 140.00
Project Engineer	\$ 110.00
Project Surveyor	\$ 90.00



Design Engineer	\$	80.00
Design Surveyor	\$	80.00
Design Technician / CAD Operations	\$	75.00
Survey/LiDAR Crew	\$	150.00
Survey Party Chief	\$	90.00
Survey Technician	\$	50.00
Clerical	\$	45.00

PROJECT SCHEDULE

Upon notice to proceed (NTP), Meridian will immediately schedule the field work for this project. All three sites will be able to be surveyed in a single day, subject to weather, school security and access to the sites. Notification of schedule will be provided by the client to the School District and each school notified. Some mapping activities will not be possible with snow cover and delays could be caused due to weather conditions.

Final delivery will be within one week of field work.

SUPPORT INFORMATION

Administrative Office Location:

All work associated with this project will be performed and directed out of Meridian's office located at 1628 West 11010 South, Suite 102.

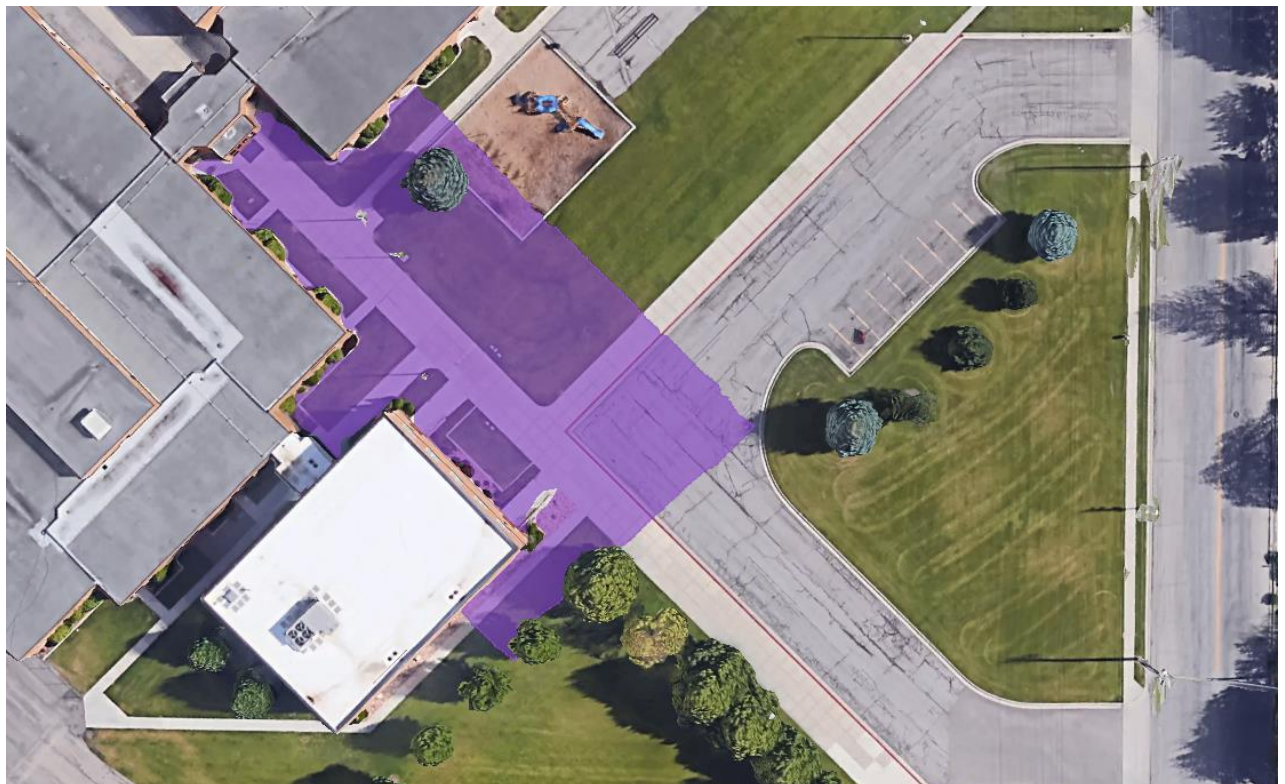
Project Location and Survey Extents:



Bonneville Elementary Survey Area



Aspen Elementary Survey Area



Highland Elementary Survey Area

