



MUIR CONSULTING, Inc.

Land Surveying ♦ G.P.S. ♦ Planning

Exhibit "1"

TOPOGRAPHIC SURVEY REQUIREMENTS

Version 2011-01

DRAWING REQUIREMENTS:

- 1. Provide survey drawing at 1" = _____ feet.
- 2. Orient drawing with north pointing to top, right edge, left edge or per attached sheet.
- 3. Sheet size: 8 1/2"x11" 11"x17" 24"x36" 30"x42" Other _____
- 4. Drawing shall include title, north arrow, graphic scale, legend, and surveyor's statement. Provide basis of bearings and benchmark statement, if applicable.
- 5. Drawing shall include vicinity map.
- 6. Digital aerial photograph of the site will be required. \$
- 7. Provide ___ copies of survey. Rolled or Folded. Special Shipping? _____
- 8. Provide in Autocad dwg format on floppy disk, CD-ROM, email or PDF.
Email account: _____
- 9. Other (*Specify*) _____

BOUNDARY REQUIREMENTS:

- 1. Boundary Data
 - A. Show record boundary. No warranties or guarantees are expressed or implied to the accuracy of the boundary.
 - B. Show resolved boundary and set missing corners. (*Note: a Record of Survey or Corner Record is required by law.*) \$\$\$
- 2. Show easements of record. (*Note: a title report will be required prior to beginning the job.*)
- 3. Provide the names and recording information for adjoining.
- 4. Show land area in square feet and/or acres.
- 5. Identify and show setbacks, height, and/or bulk restrictions.
- 6. Other (*Specify*) _____

PLANIMETRIC REQUIREMENTS:

- 1. Show streets, median islands, and sidewalks.
- 2. Show poles, signs, yard lights, pull boxes, meter boxes, vaults, fire hydrants, and other structures.
- 3. Show all walkways, patios, pools, retaining walls, landscaping, and pathways.
- 4. Show all trees over ___ inches in diameter. Show type of tree, if known.
 - A. Show drip line. \$
- 5. Show all buildings, fences, decks, and other structures.
 - A. Show overhangs / eaves. \$
 - B. Show ridge lines, if accessible. \$
 - C. Height of buildings. \$
- 6. Show position of adjacent structures and/or physical improvements within _____ feet of site boundary.
- 7. Show all rivers, creeks, streams, ponds, or lakes on or adjacent to site boundary.
- 8. Show parking areas, striping, type, and number of spaces.
- 9. Show all driveways, curb cuts, roads, and access to public ways.
- 10. Square footage of buildings.
 - A. Exterior dimensions of all buildings. \$
- 11. Other (*Specify*) _____

TOPOGRAPHICAL REQUIREMENTS:

- 1. Datum.
 - A. City datum.
 - B. County datum.
 - C. USGS datum.
 - D. NGVD88
 - E. Existing datum (e.g., finish floor). Please describe _____
- 2. Plot contours at _____ foot intervals.
- 3. Spot elevations at street intersections, at _____ feet intervals at top of curb, sidewalks, and edge of pavement.
- 4. Spot elevations at toes, tops, and grade changes.
- 5. Elevations at lowest finish floor or specified finish floor. _____
- 6. Spot elevations at _____ foot grid.
- 7. Establish Project Benchmark. Location: _____
- 8. Other (*Specify*) _____

UTILITY REQUIREMENTS:

- 1. Sanitary Sewer (on or serving property)
 - A. Location, rim elevation (if applicable).
 - B. Invert, flow direction, size, and type of pipe. \$
 - C. Paint marks as provided by U.S.A. or other. _____
 - 2. Storm (on or serving property)
 - A. Location, rim elevation, grate elevation (if applicable).
 - B. Invert, flow direction, size, and type of pipe. \$
 - C. Paint marks as provided by U.S.A. or other. _____
 - 3. Water (on or serving property)
 - A. Surface Observation.
 - B. Paint marks as provided by U.S.A. or other. _____
 - C. Show nearest fire hydrant that serves property.
 - 4. Gas (on or serving property)
 - A. Surface Observation.
 - B. Paint marks as provided by U.S.A. or other. _____
 - 5. Electric (on or serving property)
 - A. Show poles, guy wires, vaults, pads.
 - B. Show overhead wires.
 - C. Paint marks as provided by U.S.A. or other. _____
 - 6. Telephone (on or serving property)
 - A. Poles, guys wires, pads, boxes.
 - B. Show overhead wires.
 - C. Paint marks as provided by U.S.A. or other. _____
 - 7. Other (*Specify*) _____
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NOTE: \$ indicates items that usually require additional time and fees. Please call if you have questions.