CITY OF CONCORD

New Hampshire's Main Street™

Community Development Department

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City Engineer

Minimum Content for As-Built Drawings of Public Streets and Utilities

NOTE: The As-Built Drawings shall be generated using the original Planning Board approved plans. Plans shall be sealed and signed by a NH licensed land surveyor. All proposed elevation data (i.e. inverts, roadway, etc.) shall be shown on the plans and each proposed elevation shall have strikethroughs showing the as-built elevation.

The Developer should request from the contractor a copy of their survey books used during construction for noting ties and materials installed. Any discrepancies found between the field books and the as-built field survey shall be reconciled by the Developer prior to the submission of the as-builts.

1. Sheet size shall be 24" x 36" with a 1" margin (22" x 34" effective plan area)
2. Scale shall be 1"=50', 1"=40', 1"=30', or 1"=20'
3. Details to be shown on the plan:
   - Horizontal alignment of centerline with tie-in to centerline of intersecting streets, location of street right-of-way bounds, edge of rights-of-way, easements outside the street right-of-way, and front property corner markers;
   - At one hundred (100) foot minimum intervals provide spot elevations along centerline, edge of pavement, and top and toe of roadway side slopes;
   - Location and elevation of bench marks and retaining walls (top and bottom spot elevations);
   - Location of all visible roadway components including but not limited to guardrail, fencing, gates, drive aprons, sidewalks, traffic signals, traffic signs, handicap ramps, curbing, street lights, and water cisterns;
   - Location and elevation of all roadway appurtenances including but not limited to drainage retention ponds, drainage swales, pipes, water quality structures, etc. within or outside the street right-of-way;
   - Location of water mains, valves, corporation stops, service stubs, water shut-offs, hydrants, blow-offs, bends, and other water main components. Indicate hardware used, pipe size, and material of mains and service stubs;
   - Location of sanitary sewers. Show location of mains, pipe connections between structures, manholes, cleanouts, and service stubs. Indicate pipe size, material, and rim and invert (including service stubs) elevations;
   - Location of storm sewers. Show location of mains, pipe connections between structures, catch basins, manholes, headwalls, fixed-end sections, culverts, and foundation drains. Indicate pipe size, material, and rim and invert (including foundation drain) elevations;

- Location of foundation underdrain where it leaves the home to the outlet structure, headwall, or daylights;
- Location of private utilities including but not limited to natural gas mains, electric, telephone and cable conduit. Show mains, utility poles, transformer pads, junction boxes, and service stubs.

4. Profiles of street centerlines and/or utility lines shall be drawn at the same scale as plan with vertical exaggeration of one tenth of horizontal scale. The following information shall be shown on the profile:
   - Proposed and as-built roadway line work and elevations at each (50) foot station;
   - All utilities such as gas, water, sanitary sewer, and roadway underdrain;
   - As-built vertical curve data;
   - As-built roadway profile slopes.
5. The applicant shall retain their own field book records for use in reflecting ties and materials in the as-built drawings. ESD may collect ties and note materials, etc. in their field books (for ESD use only) in checking the as-built drawing. The contractor shall not rely on ESD records or ties for their as-built drawing.
6. Electronic copy of the drawing that meets the requirements of Section 12.08 of the Site Plan Regulations, including AutoCAD and PDF format.