City of Concord
New Hampshire
COMMUNITY DEVELOPMENT DEPARTMENT
ENGINEERING SERVICES DIVISION

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City Engineer

Minimum Content for As-Built Drawings of Private Sites, 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 shall request, from Engineering Services, a copy of the survey books used during construction for noting ties and materials installed. The as-builts shall reflect the ties and materials as noted in the field books. Any discrepancies found between the field books and field survey shall be reconciled by the Developer prior to submission of the as-builts.

1. Sheet size shall be 22” X 34”
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;
   - Within the City right-of-way, location of all visible roadway components including but not limited to retaining walls (top and bottom spot elevations), guardrail, fencing, gates, drive aprons, sidewalks, traffic signals, traffic signs, handicap ramps, curbing, street lights, and water cisterns;
   - Location of storm sewers. Show location of mains, pipe connections between structures, catch basins, manholes, headwalls, flared end sections, culverts, and foundation drains. Indicate pipe size, material, and rim and invert (including foundation drain) elevations;
   - Location, with spot elevations, of all stormwater management facilities (drainage swales, water quality structures, retention / detention / bioretention ponds, water gardens, etc) within or outside the street right-of-way;
   - Within the City 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;
   - Within the City right-of-way, 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;
   - Where foundation drains enter the City right-of-way, show the location of foundation underdrain where it leaves the home to the outlet structure, headwall, or daylights;
   - Within the City right-of-way, 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;
   - Within the City right-of-way, all utilities such as gas, water, sanitary sewer, and roadway underdrain;
   - As-built vertical curve data;
   - As-built roadway profile slopes.