

## Town of Littleton As-Built Plan

### AutoCAD requirements

1. Coordinate system – NAD83 Massachusetts Mainland State Plane Coordinates
2. Drawing format – AutoCAD Map 2008 compatible (.dwg)
3. Both hard copy and CD
4. Electric Department requirements (its own layer)
  - a. Utility-pole, street-light pole, flood-light, parking-lot-light locations
  - b. Underground and overhead line locations
  - c. Underground and overhead house service locations
  - d. Manhole locations (where applicable)
  - e. Underground and overhead transformers, secondary pedestals, and all other relevant electric utilities
5. Water Department Requirements (its own layer)
  - a. Water main, main size and appurtenances' w/ gate locations and measurements (including material type)
  - b. Fire Hydrant locations with fittings and gate detail
  - c. Service boxes w/measurements to structures;
  - d. Service line locations, service size and measurements of service line at any points of deflection.
6. Highway/Drainage Requirements (its own layer)
  - a. Drainage pipe size, type of pipe material, length of each run, pitch of each run, invert inlet and invert outlets
  - b. Catch basin inverts, frame and grate elevations and catch basin locations
  - c. Drain manholes inverts, frame and cover elevations and drain manhole locations
  - d. Box culverts size, inlet and outlet inverts, type of material and length

- e. Pipe cross culvert size, type of material, length of run, inlet and outlet inverts and locations
- f. Headwall elevations and locations
- g. Drainage easements
- h. Fill easements
- i. Drainage outfall locations with elevations
- j. Drainage detention/retention basin locations

7. General requirements:

- a. Edge of pavement (roads, driveways, sidewalks, parking lots)
- b. Topography (where applicable)
- c. Building footprints and house numbers
- d. Lot lines and bound marker locations (where installed)
- e. Street signs, guard rails and anything installed within the right of way
- f. Public shade trees