

Appendix C

As-Built Plan Requirements

Appendix C

As- Built Plan Requirements

An as-built plan of project improvements (roadway, sitework, and utilities), in both hardcopy and electronic formats, shall be submitted for review and approval. A stamped paper hardcopy of the as-built plan shall be submitted for review. Once approved, a stamped hard copy and electronic copies of the as-built plan shall be submitted to the Engineering Division of the DPW for archival and integration into the Town's records.

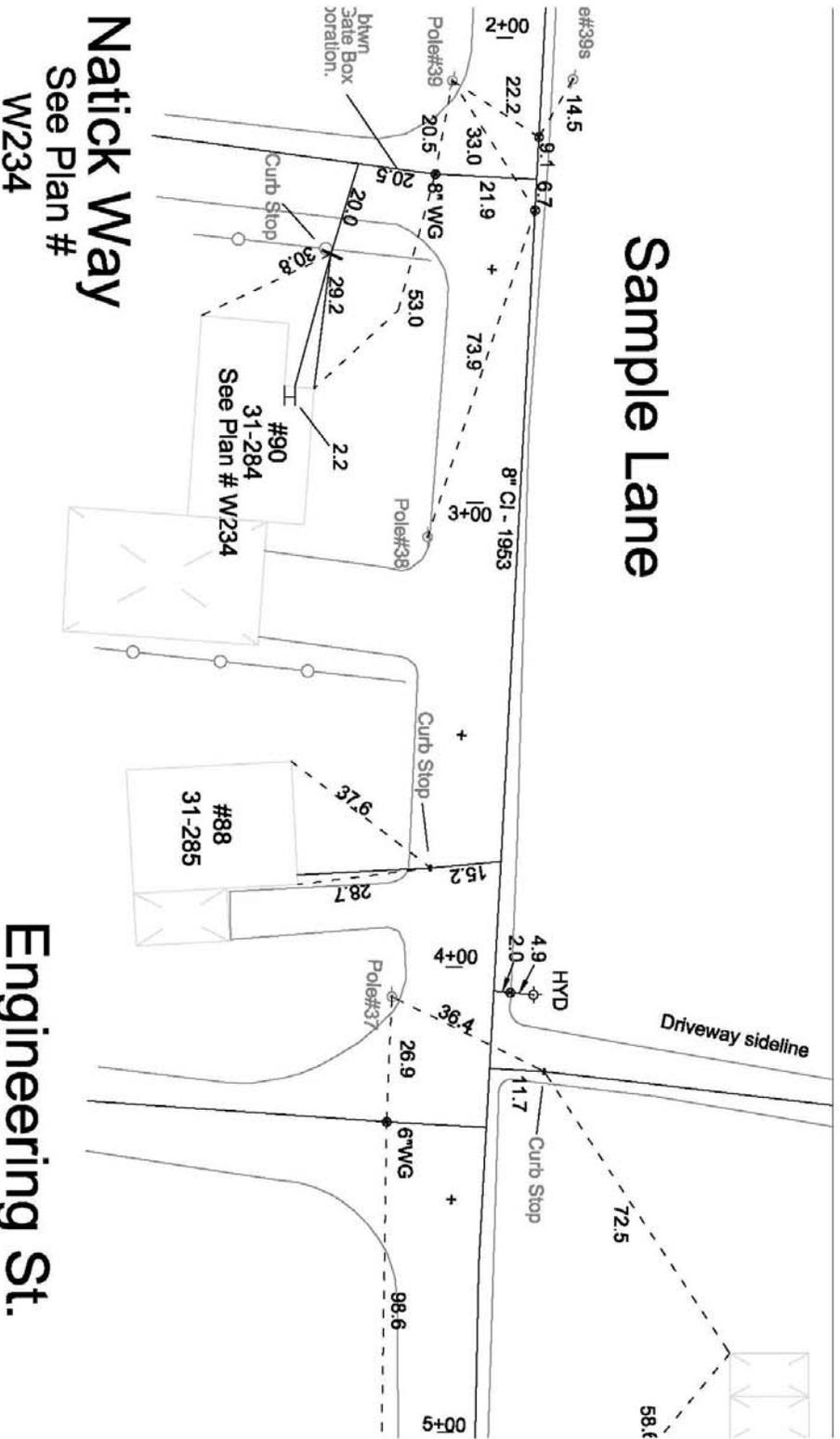
All drawing sheets shall not exceed ARCH Size D (24" x 36") and shall be prepared at readable plan scale, preferably consistent with the design plan scale. Plans shall be prepared in monochrome format utilizing gray scale and line types to differentiate features (color as-built plans will not be accepted).

Electronic as-built information shall be in BOTH CAD (AutoCAD 2012 or higher) and Adobe Acrobat PDF formats. If the Engineer/Surveyor does not have AutoCAD, exceptions may be made on a case by case basis for an approved equal. The AutoCAD file shall conform to the current version of the MassGIS Standard for Digital Plan Submission. The electronic CD/DVD media shall be properly labeled with the Project Name, date, and all file names. All external reference (x-ref) files shall also be included with the submission to ensure that all required information is delivered to the Town.

The as-built plan shall include:

1. North arrow, scale, and date
2. Name of record owner(s) of land shown on plan
3. Identification of parcel by sheet, block, and lot number of Assessor's Maps
4. Property lines, easements, and/or legal rights within the property lines
5. Location of all buildings and lot lines on the lot, including ownership of lots, and street limits
6. Boundaries and final topography of the property, including contours at a minimum 1 foot interval (with 5 foot intervals highlighted as well), using (North American Datum of 1983) NAD83 (feet).
7. Original Massachusetts licensed Professional Engineer's or Professional Land Surveyor's stamp and signature on all drawings
8. All drawing sheets shall have a border and a title block that include project name/street location, and Engineering Firm telephone contact numbers/address information
9. Drawing Legend depicting all symbols and line types
10. Utilities accurately positioned (Cable, Drainage, Electric, Gas, Telephone, Sewer, Water, Etc.) as applicable
11. Size and materials identified for all new Town utilities and service connections (Storm Drainage, Sanitary Sewer and Water)

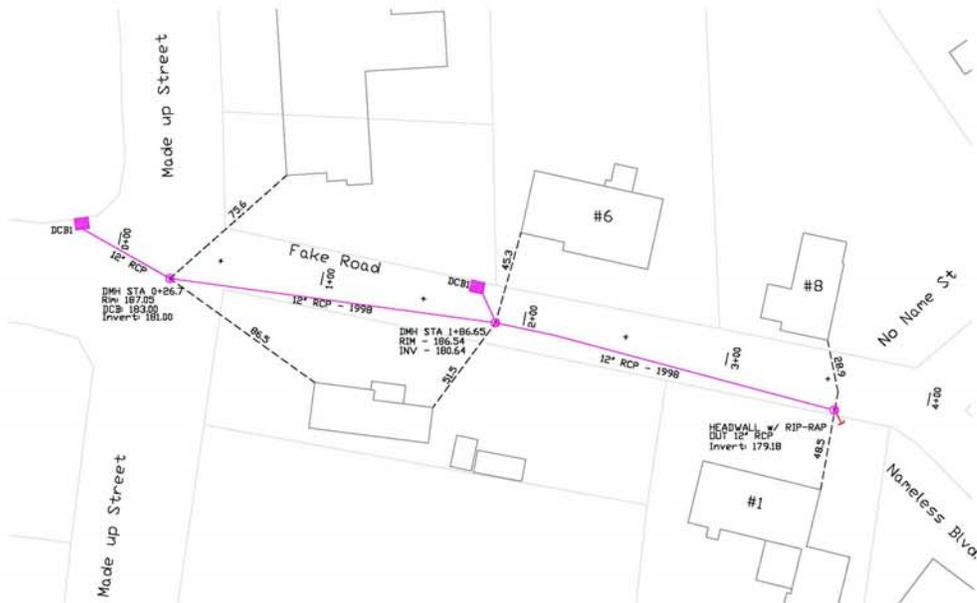
12. Key dimensions (and ties) depicted for all new Town utilities and service connections
13. Rim and invert elevations for storm drainage and sanitary sewer, sanitary service wyes with distances to nearest structure, water line gates and water service valves shall be accurately depicted
14. Cross sections, design details or profiles as appropriate
15. Curbing, sidewalk, driveway curb opening, parking areas, walkways, and road layout identified and dimensioned.
16. Please see the attached drawings in this Appendix as examples of how the plans shall have dimensions and ties labeled on the plans.



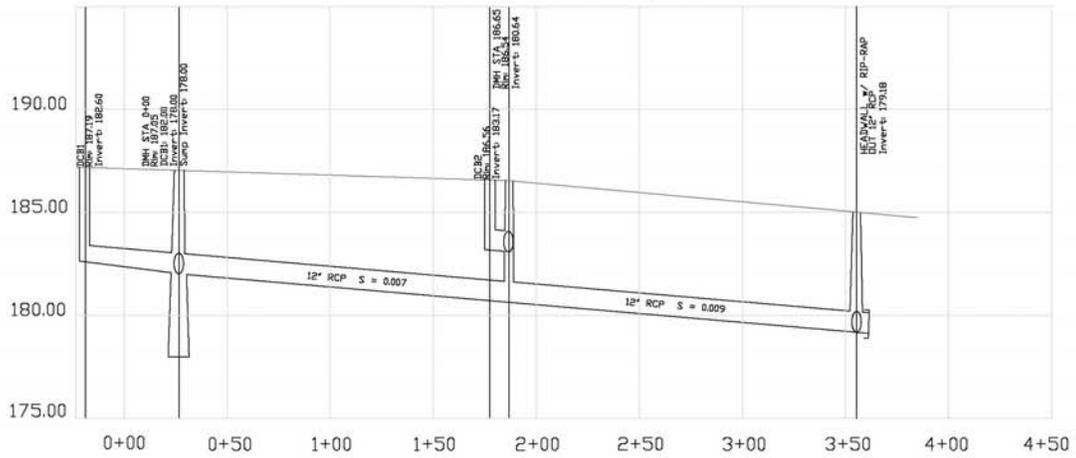
Natick Way
See Plan #
W234

Engineering St.
See Plan #
W123

Typical Water As-Built Format
* Not to scale - For illustrative purposes only *



TYPICAL DRAIN AS-BUILT FORMAT
 * Not to scale - For illustrative purposes only *



Note: Drainage Stationing is based on centerline of the roadway and not on the stationing between drainage manholes.