

# Village of Wheeling - Record Drawing (As-Builts) Plan Requirements

## I. Quantity and Format of Drawings Required

1. Upon the Village Engineer's approval of a paper Record Drawing Check Print, Record Drawings of the completed project shall be provided as follows:

### A. Subdivisions and Roadway or Utility Improvements That Will Become Public

- a. One Electronic Drawing File(s) in DWG (AutoCAD), DXF Format.
- b. One Electronic Drawing File(s) in a PDF Format.
- c. One Electronic ASCII Point File(s).
  - i. The ASCII Point File should be as a point number followed by the point's raw data: Northing, Easting, Elevation, and Point name (Raw Point Description) Code format – comma delimited, on CD. Example:

Point Number	Northing	Easting	Elevation	Description
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1,1993774.448,1093275.480,649.193,CP

- ii. Data shall be in US State Plane Coordinates System, Illinois East zone, NAD-83, NAVD-88, US Survey Feet, as opposed to an arbitrary coordinate system.

d. One (1) complete sets of paper drawings

### B. Industrial and Commercial Sites or Private Improvements

- a. One Electronic Drawing File(s) in DWG (AutoCAD), DXF Format.
- b. One Electronic Drawing File(s) in a PDF Format.
- c. One Electronic ASCII Point File(s).
  - i. The ASCII Point File should be as a point number followed by the point's raw data: Northing, Easting, Elevation, Point name (Raw Point Description) Code format – comma delimited, on CD. Example:

Point Number	Northing	Easting	Elevation	Description
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1,1993774.448,1093275.480,649.193,CP

- ii. Data shall be in US State Plane Coordinates System, Illinois East zone, NAD-83, NAVD-88, US Survey Feet, as opposed to an arbitrary coordinate system.

d. One (1) complete sets of paper drawings.

## Village of Wheeling - Record Drawing (As-Built) Plan Requirements

### II. Record Drawing Suggested Minimum Content Checklist

1.  All system valve, control valve, B-box and hydrant locations must be shown with tied dimensions to be readily located in the field.
2.  All Sanitary sewer services complete with cleanouts must be shown with tied dimensions.
3.  Storm sewer sump pump discharge locations must be shown with tied dimensions to building. Also, the pipe routing as well as type, slope, size and material must be shown.
4.  As-built spot elevations at key locations such as top of curb, summits, swales and ditches, and storm water management areas.
5.  As-built rim/invert elevations, structure diameter and type (lid, grate, etc.) on all structures.
6.  As-built pipe type/size, lengths, slopes and material on all sanitary & storm sewers.
7.  As-built pipe type/size, lengths, material on all sanitary & storm sewers.
8.  As-built finished floor or top of foundation elevations and grade adjacent to building.
9.  Dimension on all utilities from property line or back of curb, including street light cables.
10.  Verification of storm water management volumes which shall include a summary of all the plans.
  - A. Detention provided \_\_\_\_\_ ac-ft
  - B. Detention required \_\_\_\_\_ ac-ft
  - C. Retention provided \_\_\_\_\_ ac-ft
  - D. Retention required \_\_\_\_\_ ac-ft
11.  Wetland areas shall be delineated as well as compensatory flood storage areas if applicable.
12.  List of all permit numbers as issued on cover sheet.
13.  In the case of multi-sheet utility plan sets, which may also require match lines, an overall master utility sheet shall be provided in the "As-Built" drawing set clearly showing all utility locations, type, size and material.
14.  Any additional information which the Village Engineer determines to be pertinent to the project record drawings.
15.  All property corners (monuments, iron pipes, iron rods, etc.) including PC's, PT's and at points where curves change their radii, as required to be set by Illinois State Statutes shall be in place according to the Plat. All property corners must be in place prior to the issuance of any type of Certificate of Occupancy.