REQUIREMENTS FOR AS-BUILT DRAWINGS

General

1. Show any changes in location of the constructed improvements.

2. As-built Drawings shall be provided in the following formats:

   a) One (1) bond paper copy; signed and sealed.

   b) All electronic files required to document the as-built drawings as defined herein in AutoCAD 2021 (or newer) format via the Cities Project Dox online portal. All electronic files shall be submitted in accordance with the City of Joliet '*Requirements for Electronic Submittals*'.

3. Provide only plan view drawing at preferred scale of 1"=50'. Alternate allowable scales are 1"=40', 1"=30' and 1"=20'. Multiple sheets shall be used as necessary. Large scale details of stormwater restrictor structures and watermain interconnects are encouraged and may be required.

4. All structures shall be numbered or lettered using the same system as the approved engineering plans for the development.

5. The condition of the Bench Mark shown on the approved engineering plans shall be verified and noted on the as-built drawings. All elevations shall be referenced to North American Vertical Datum 1988 (NAVD 88) vertical datum using US Survey Feet as units.

Water Distribution System

1. Show locations, material and sizes of all mains, valves, hydrants, plugs, b-boxes, elbows, tees, crosses and all other appurtenances required by the engineering plans. Where cover of watermain was other than the standard 5-1/2' due to utility conflicts, show the actual elevation and note the existence of any sleeves around the watermain or other utility line.

2. Show rim elevations for all valve vaults and valve boxes, including hydrant auxiliary boxes.

3. Show elevation of finished grade at hydrant for all fire hydrants.

4. Verify that all structures are visible, at the proper grade, and that all valves and b-boxes are operational prior to submitting as-built drawings.

5. Show as-built dimensions to water shut off.

Storm Sewer and Stormwater Management System

1. Show locations, material, sizes and slopes of all culverts and storm sewer lines.

2. Show locations, rims and invert elevations and type (i.e. manhole, catch basin, curb inlet, etc.) of all storm structures. For curb inlet structures, show the top of curb elevation. Verify that all structures are visible and at the proper grade prior to submitting as-built drawings.

3. Show as-built topography of all stormwater management basins and certify that restrictor and as-built detention volume meets or exceeds the requirements of the approved engineering plans.

Show the as-built high water elevation for all basins and the normal water elevation and bottom contours for retention basins.

4. Show that critical overflow elevations have been constructed according to the approved engineering plans. Show as-built cross sections of all overflow swales if cross sections were required for capacity calculations on the approved engineering plans.

5. Certify that the project is in compliance with the communities Stormwater Ordinance.

Sanitary Sewer System

1. Show locations, material, sizes and slopes of all sanitary sewer mains and service lines.

2. Show locations, rims and invert elevations and type (manhole, drop manhole, wet well, etc.) of all sanitary structures. Verify that all structures are visible and at the proper grade prior to submitting as-built drawings.

3. Show as-built dimensions to sanitary sewer service lines.

Miscellaneous Improvements

1. Show location of all street lights and electric lines from street lights to service box.

2. Verify that all concrete monuments shown on the Final Plat of Subdivision have been set and are visible. If not, notify Surveyor of As-built to have them installed.

3. Show parcel boundary lines, road ROW lines, and easement lines per final plat.

4. Show road centerlines.

5. Show jurisdictional Wetlands / Waters of the U.S. extent.

6. Show street sign location.

7. Show regulatory sign location and type (stop, yield, etc.).

8. Show traffic signal location.

9. Show pavement extent.

10. Show curb and gutter extent, indicate type.

11. Show gravel shoulder extent.

12. Show sidewalk extent.

13. Show trail / path extent

Certification

1. The following certification, signed by an Illinois Licensed Professional Engineer, shall be placed on the required mylar and bond copies:

State of Illinois)
)ss
County of _____)

We, (name of engineering firm), hereby certify that these “As-built Drawings” have been prepared under our direct supervision and that the information contained hereon has been provided and/or verified by us and accurately reflects the existing conditions on (date). We further certify that in our professional opinion, these “As-built Drawings” adequately depict and substantiate that the improvements constructed as part of this project will function in substantial conformance with the design intent of the engineering plans and specifications as accepted and approved by the City of Joliet.

By: (Signature).

Title: .

Date: . seal

Illinois Licensed Professional Engineer No. .

License Expiration Date: .