

## **ENGINEERING SUBMITTALS / AS-BUILT INFORMATION.**

A digital copy of the Final Plat and detailed as-built drawings of the improvements shall be provided in accordance with city standards no later than 90 days after completion and acceptance of the improvements, unless otherwise approved in writing by the Public Works Director. If the as-built drawings are not provided to the city within the 90 days, the city may have the work done and pay for it with the project sureties.

1. All as-built submittals require a survey to be completed for any improved and adjusted areas within the project extent. All as-built survey data collection must be within an accuracy tolerance of 0.10' horizontal and 0.05' vertical, based on the project's horizontal and vertical datum. The as-built survey must be completed on current Dakota County Coordinates submitted in decimal degrees and NAVD88 and performed by or under the direct supervision of a Registered Land Surveyor.
2. Final as-built information shall also be submitted in an ESRI compliant Geodatabase format compatible with the City's Geographic Information System (GIS). An ESRI compliant Geodatabase template will be made available by the CITY which will specify all features and critical attributes required. All features submitted must adhere to as-built survey requirements (see item 1). All features and critical attributes must be complete and consistent with submitted as-built plans. The as-built submittal must follow the current geodatabase template provided by the CITY for acceptance. Shape files may be downloaded at this website [www.ci.inver-grove-heights.mn.us/311/Engineering](http://www.ci.inver-grove-heights.mn.us/311/Engineering).
3. Final as-built information shall be submitted in an electronic format. Compatible formats are emailed AUTOCAD, .DWG or .DXF. The Final Plat and detailed record plan "as-built" drawings shall also be scanned, stored and emailed as images in .TIFF or .PDF. All as As-built drawings must be the approved plans modified to reflect as-built conditions. **Note: All corrected lines, grades and elevations shall have a line drawn through the original text and the new information placed nearby; the original information or text shall not be erased.**

The following must be included on the record plans:

- a) Top nut elevation of all hydrants must be added to as-built plans.
  - b) GPS coordinates and invert elevations on all sanitary and water service stubs.
  - c) Plans must identify parcels that have in-home pressure reducing valves to meet MDH requirements when the static water pressure exceeds 80psi.
  - d) Plans must identify parcels that require flood protection when lowest floors are below the highwater line of a stormwater facility.
4. As-built grading plan containing spot elevations taken throughout the development to verify the development is graded in accordance with the approved grading plan with extra shots to verify swale elevations and locations. In pond areas, enough shots must be taken on the pond bottom, side slopes and grade breaks to verify the volume of each pond. The as-built must also verify emergency overflow elevations and locations. This as-built plan shall be Certified (signature with current date and MN state licensure number) as to general conformance with the City Approved grading plan by a Registered Engineer or Registered Land Surveyor and submitted in an electronic format.