<u>Noblesville Digital Construction Submittal Requirements</u>

1.0 General

    1.1. The requirements of this section apply to all subsequent sections.

    1.2. Files should be zipped and emailed to mmorris@noblesville.in.us

    1.3. The body of the email shall include the following:

        1.3.1. Engineering Company Name with prepared by statement

        1.3.2. Project Name

        1.3.3. Date that data was created

        1.3.4. Designate submittal as Construction Plan

    1.4. Overall Files must be submitted in DWG format.

    1.5. Each DWG file should be for one section of development. Multiple sections will not be accepted in one file and care must be taken to clearly mark existing infrastructure facilities.

    1.6. If multiple sections of a project are being submitted, files shall be placed in separate emails.

    1.7. File names should make sense to a viewer who may not be familiar with the consulting firms naming conventions and be indicative of the contents of the file.

    1.8. All pertinent drawing elements will reside in the primary drawing file. There shall be no cells, nodes, blocks, or reference files (x-refs) attached to the drawing.

    1.9. Separate layers for structures, pipes, annotation, etc. with a logical description for each layer.

    1.10. Projection shall be referenced to NAD83, Indiana State Plane Coordinate System, East Zone, using International Survey Feet and per the Hamilton County datum. Elevations shall be in the NAVD 88 vertical datum. The coordinate location of the items listed below shall be

obtained by a field survey and with vertical data that meets survey grade accuracy.

1.11. Tie into section corners in the Indiana State Plane Coordinate System to insure proper orientation. Section corner tie sheets can be obtained from the Hamilton County Surveyor's web page.

1.12. All easements shall be represented and drawn as closed polylines representing aggregate areas.

1.13. Must have graphical representation of all off-site platted easements, right-of-ways, lot lines, etc. encompassing infrastructure improvements.

2.0 Infrastructure

2.1. The overall digital construction file must be revised to show the plant location of the following items:

2.1.1. Storm water Manholes, Inlets, End Sections, Risers, Pipes

2.1.2. Detention-Retention Ponds with Normal Pool Elevation & Top of Bank drawn as a closed polyline

2.1.3. Sub-Surface Drains- street and laterals (street SSD drains must end into the Storm Structure Block insertion point.)

2.1.4. Flow line of swales and ditches with a bottom width of 1 foot or greater.

2.1.5. Sanitary sewer manholes, sewer mains, lift stations, force mains, wyes, laterals

2.1.6. Air/ vacuum relief manholes

2.1.7. End of stubs

2.1.8. Pipe casing

2.1.9. Water Main lines, laterals, constructed, hydrants, reducers, sleeves, tees, crosses, saddles and valves

2.1.10. BMP's

2.1.11. Underground Detention Facilities

2.1.12. Signage

2.1.13. Parcel Lines

2.1.14. Lot Numbers

2.1.15. Lot Dimensions

2.1.16. Perimeter Boundary Lines

2.1.17. Right of Way Lines

2.1.18. Easements

2.1.19. Road Centerlines

2.1.20. Street Names

2.2. The Construction location of the sewer wyes shall be located on the plans as measurement along the pipe centerline from the nearest downstream manhole.

2.3. Sub-surface drain lateral locations should be located with a proper distance from the nearest structure or property line.

2.4. Structures will be cells or blocks and have an appropriate Structure ID using the same attribute field name i.e. STR_NUM

2.5. All Infrastructure pipes will have a length, pipe size (in inches), material and type (Class III, SDR 35, etc) listed.

2.6. Infrastructure line work must be continuous polylines with a beginning and ending at a structure insertion point, connecting only two structures per line. Lines must be drawn with the direction of flow.

Please send all Submittals to:

Michael Morris
mmorris@noblesville.in.us

Noblesville GIS
gis@noblesville.in.us