



## City of Greeley Digital Data Submission Standards

Updated: V. McKennan, 7/18/2023

### Purpose

The City of Greeley adopted geographic information systems (GIS) technologies to store and manage spatially related geographic data. The City of Greeley has developed the following standards to ensure GIS submissions are complete and accurate, limit duplication of efforts and human error, and will enable are current and future uses. Data submitted will be integrated with the City of Greeley GIS and provide a public benefit. The resulting geographic data elements will be a representation of features that comprise our community and is not intended to convey legal boundaries of any kind. GIS data must be submitted with final plans associated with the following types of projects:

- Final development plans (part of site plan review procedure)
- Final plat or subdivision map
- Final as-builts

Permits and/or approvals will not be issued until the successful review of the digital data submissions. Adherence to the following standards will make the review & approval process more efficient.

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## General Requirements/Minimum Standards

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### Submission

At the project phase where all assets to be constructed, modified, or abandoned have been completed digital data must be submitted by email to the project planner in one of the following formats outlined in this document, unless stated otherwise in the Project Specific Requirements section, prior to final approval.

### Data Format

The City of Greeley will provide feature class templates in an ESRI File Geodatabase. This format will preserve the schema design which includes field names, domains, and data/values that are used in the feature class.

The following data formats are acceptable for submission:

- 1) Vector Data - ArcGIS File Geodatabase
  - Provide GIS data back to the City, using the City data format and attributes, with only those assets that have been constructed, modified, or abandoned
- 2) Image (raster) data (satellite imagery, aerial photography, DEMs):
  - [ESRI Supported Raster and Image Formats](#)

### GPS Control Points

Each project site shall include at least two (2) GPS Control Points from the Greeley Open Data Portal.

### Projection

All data is required to be in the following projection standard:

- Projected Coordinate System: NAD\_1983\_HARN\_StatePlane\_Colorado\_North\_FIPS\_0501\_Feet
- Projection: Lambert\_Conformal\_Conic
- False\_Easting: 3000000.000316083
- False\_Northing: 999999.999996
- Central\_Meridian: -105.50000000
- Standard\_Parallel\_1: 39.71666666666667
- Standard\_Parallel\_2: 40.78333333333333
- Latitude\_Of\_Origin: 39.33333333333334
- Linear Unit: Foot\_US
- Geographic Coordinate System: GCS\_North\_American\_1983\_HARN
- Datum: D\_North\_American\_1983\_HARN
- Prime Meridian: Greenwich

- Angular Unit: Degree
- Spatial Reference: 2876

### Naming convention

Submitted shapefiles must not include spaces and use only underscores between words. Shapefiles should follow the naming convention below:

Projectname\_typeofsubmittal\_subtypeofsubmittal\_projectnumber

(i.e. CityCenterSouthPlan\_Site\_Easements\_12345.zip)

### Metadata

Each GIS layer must include basic metadata documentation to be accepted. The documentation must include, at a minimum, the following:

- Company name
- Project/data set description
- Scale of data set compilation
- Datum and project of data set compilation (see above)
- Data set create date and details of any updates
- Agency and person responsible for the data set and contact information
- List of attributes and description of each (Attributes of submitted data are required to match the templates provided in the File Geodatabase.)

### 3D Digital Model

Projects involving construction of structures greater than 25,000 square feet in size, Planned Unit Development (PUD) projects or residential projects with 10 or more units that require Planning Commission review must include a 3-D digital model of the proposed building (s) in one of the following formats: .3ds (3D Studio Max), .dae (COLLADA), .skp (SketchUp v6), .flt (OpenFlight), .kml (Google Earth).

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*Department or Project Specific Requirements  
(Added in addition to the General Requirements)*

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Data Requirements

The City of Greeley might request specific fields and attributes be filled out on a per project or per layer basis.

<b>Dataset: {Insert feature class or table name here}</b>	
Field	Comments

The table below contains additional requirements.

Delivery as GIS File Geodatabase			
Elevation			