

PLAN SUBMITTAL REQUIREMENTS FOR RESIDENTIAL SWIMMING POOLS

The City of Englewood has adopted the following codes with amendments:

- 2021 International Swimming Pool and Spa Code
- 2021 International Plumbing Code
- 2021 International Mechanical Code
- 2023 National Electrical Code

Note: Applicable codes are required to be notated on plans.

In order for your permit application to be reviewed and processed properly, the following construction information must be provided. Note: "Preliminary" and/or plans shown as "Not for Construction" or similar are unacceptable.

Hardcopy submittals will not be accepted.

Site Plan

- Provide a complete site plan showing adjacent streets, property lines, existing structures, required pool setbacks, property easements, and fence locations in accordance with Chapter 3 of the Englewood Municipal Code.
- Provide the method of pool discharge drainage, as well as provisions for erosion control, hillside slippage, and sedimentation indicating the temporary and permanent control practices and measures which will be implemented during all phases of clearing, grading, and construction.
- Provide a designated area on site for concrete truck chute washout. The area shall be to contain washout material and located at least fifty (50) feet away from any waterway during construction.
- Indicate the placement of a vehicle tracking pad at the main entrance of the construction site.
- Provide a geotechnical report and any mitigation details for providing proper soil support for the pool installation.

Construction Plans

- Provide a complete list of materials used. Indicate the concrete strength and yield stress of steel strength.
- Provide wall sections with size and spacing of reinforcing steel for concrete/gunite pools. *All structural drawings must be sealed and signed by a licensed Colorado structural engineer. NOTE: Out of state Engineers seal and signature will not be accepted.*
- Provide a cross section indicating all water depths and floor and wall slopes.
- Provide clear details for the required barrier(s) or powered safety cover designed to comply with ASTM 1346.
- Provide details on all water features.

Plumbing Plans

- Provide all supply, recirculation, and drain line details.
- Provide a one-line diagram for all required gas supply lines to support any pool equipment. Indicate the length of the pipe, its sizing, and gas line calculations to support the pool equipment and any other fuel fired appliances that share the gas line.

Electrical Plans

- Provide electrical drawings showing any new electrical being installed to support the proposed pool equipment.
- Provide details on the bonding of the pool and/or spa. *All electrical drawings must be sealed and signed by a licensed Colorado electrical engineer. NOTE: Out of state Engineers seal and signature will not be accepted.*
- Provide the location of all overhead power lines and their distance above the water's surface.

(continued)

Specifications

- Provide specifications for the pool heater, pump, and filter.
- Provide specifications on any pool lighting, above and below the water surface.
- Provide the manufacturer's specifications for fiberglass pools and spas.
- Provide a complete installation instruction manual for all above ground pools.

Electronic Submittal Requirements

- Please visit our website for more information: <https://www.englewoodco.gov/government/city-departments/building-division/plan-submittal-requirements-commercial-residential-and-demolition>

Resubmittal Requirements

- Provide a written response addressing each correction.
- Provide revision clouds for each correction made.
- Provided updated information in the revision section of the title block.
- Provide a complete revised plan pack.

ELECTRONIC FILE SUBMITTAL REQUIREMENTS

This guide shall be used as a standard for submitting electronic files such as construction documents to the City of Englewood. Failure to comply with the standards listed below will result in a rejection of your submittal.

Document Formatting

All documents are required to be unlocked, scaled, and full-size.

- Files must be unprotected or unlocked in order for the plans examiner to note corrections or comments. Submittals that are locked will be considered incomplete and rejected.
- Drawings must be submitted in PDF format and in black and white. Image files such as .jpeg, .tiff, .png, or similar will not be accepted. Submitting image files will result in the submission being rejected.
- Scanned documents must be legible and scaled.
- Each plan sheet must be clearly marked notating the content of the page. *Example: Page 1 – Floor Plan.*
- All pages must be rotated so that the orientation is upright.

Drawing Standards

- All text shall be legible with a reasonable font size such as 10 or larger.
- Plans stamped “Preliminary”, “Bid Document”, and/or “Not for Construction” are unacceptable.
- All pages must be rotated so that the orientation is upright.
- Each plan sheet shall include the project name and/or address.
- Drawings shall be scaled to 1/4”=1’-0” or larger.
- Resubmittals shall be complete sets. *Example: If you are resubmitting Civil Documents, the applicant shall resubmit the entire civil document plan pack.*
- When uploading files to IMS, your files will need to be combined in accordance with the upload screen you are working in. Failure to combine the files accordingly will be an incomplete submittal and the project rejected. Please pay close attention to this when uploading files.

File Name Standards

- Files shall be named according to what the file is. Example: Architectural Drawings should be named “Architectural Drawings_(address or permit number of project)_(date of submittal)”. Files that are named with unreasonable names such as default names from scanners, PDF creators, or cameras will be rejected.

Q & A for File Uploading and Formatting

Question: How do I combine multiple PDF’s into a single file?

Answer: There are several PDF programs widely available, many at no cost to you, that can be used to merge, rotate, manipulate, and/or rearrange PDF files. It is the applicants responsibly to adjust his or her files accordingly. City administration will not be available to do that on your behalf.

Question: Why do my files need to be unlocked in order for my project to be accepted for review?

Answer: Locked files are not editable. Therefore, the city cannot note their markups, point out areas of concern, add comments, or place their seal on the construction approved set of documents. If your files are locked, its likely one of two things: (1) the files contain a digital signature or (2) locking the file is a default setting in your PDF creator. It is suggested that your design professional place their seal and signature as an image on their PDF and that you check your default settings prior to creating your PDF.

Question: How do I know which files need to be combined?

Answer: When submitting for a permit or project, IMS will prompt you to upload your documents on various screens. These screens will indicate which files are to be uploaded at that time. Please pay close attention the upload screen you are on.

Question: Why is the city requiring these standards with electronic submittals?

Answer: Setting limitations on what the city will accept will lessen the administrative time needed for your submittal and ensure a timely review of the document. Failure to comply to these standards will, at minimal, delay your review time but most likely result in a rejection of your submittal.

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