



**MINIMUM REQUIREMENTS FOR ENGINEERING PLANS FOR
ON-SITE WASTEWATER TREATMENT SYSTEMS**

Engineering plans for on-site wastewater treatment system(s) submitted to the Adirondack Park Agency as part of an application for a permit or pursuant to a permit condition must be of construction level quality and meet the following minimum requirements for format and content. Any plans submitted which do not meet these requirements will not be reviewed for technical merit and will be returned with a form indicating which information is missing.

FORMAT

1. Engineering plans must have a minimum size of 11 inches x 17 inches and a maximum size of 24 inches x 36 inches.
2. The cover sheet must include the APA project number, applicant's name, sheet index, legend of symbols and the engineer's name, address, signature, date of signature and seal. If a cover sheet is not provided, then all of this information except for the sheet index must be provided on each sheet of the plans.

CONTENTS

- A) Vicinity Plan or Map
- B) Site Plan
- C) Engineering Report/Basis of Design
- D) Hydraulic Profile/Topography
- E) Details/Cross Sections
- F) Material and Construction Specifications

A. Vicinity Plan or Map

A plan or map relating the project location to its environmental setting must be included at a minimum scale of 1:24,000. Such a map must be included on the cover sheet or, if no cover sheet is provided, on the first page of the plans.

B. Site Plan Contents

The site plan should be drawn to a scale of between 1 inch = 10 ft. and 1 inch = 50 ft. and contain the following.

- scale
- north arrow
- house
- on-site well
- neighboring wells within 200 feet of the proposed absorption field
- driveway
- house sewer
- septic tank
- pump station (if applicable)
- dosing siphon (if applicable)
- distribution box
- soil absorption system and reserve area for system replacement
- property lines
- test pits (locations and results)
- percolation tests (locations and results)
- streams (intermittent and permanent)
- wetlands
- mean high water mark of streams, lakes and ponds
- bed rock outcrops
- survey benchmarks

C. Engineering Report/Basis of Design

The basis of design for the wastewater treatment system shall be shown on the plans in an appropriately titled section or provided in a separate engineering report on 8 1/2 x 11 inch paper. All calculations regarding the design of all wastewater treatment system components shall be provided.

D. Hydraulic Profile/Topography

Site topography should be indicated on the site plan by contours at intervals of no more than two feet. The requirement for site topography may be waived depending upon the location of the house with respect to the wastewater treatment system and type of system employed. In general, site topography and/or a hydraulic profile through the system will be required.

E. Details/Cross Sections

A detail for each system component shall be provided. This includes septic tank, distribution box, pump station or dosing siphon. A section and longitudinal view shall be provided for an absorption trench or shallow absorption trench. A section view shall be provided for an absorption bed or any other type of absorption system.

F. Material and Construction Specifications

Complete material and construction specification shall be clearly provided for all wastewater treatment system components. Sufficient detail must be provided to enable a contractor to know what materials are required and how they are to be installed/constructed. This can be done using the details/cross sections previously discussed, by listing them on a section of the plans or both. Specifications may also be provided in a separate document on 8 1/2 x 11 inch paper.

NOTE: DO NOT INCLUDE DETAILS, SECTIONS OR SPECIFICATIONS FOR WASTEWATER TREATMENT SYSTEM COMPONENTS THAT ARE NOT PROPOSED FOR YOUR PROJECT.