

## Facility Designs for District Approval – Requirements

### **Important Notes:**

- Building permits from San Miguel County will be required for any new construction.
- New construction is subject to permit guidelines. New construction within floodplains will not be approved.
- Cabins that have been determined to be eligible for historic status or have not been evaluated with a full archaeological assessment are subject to additional guidelines for modification/construction under the National Historic Preservation Act. Plans may need to be reviewed and approved by the State Historic Preservation Office. See the “Guide to Maintaining the Historic Character of Your Forest Service Recreation Residence Cabin” for more information.

### **Proposal Process:**

1. Submit detailed design drawings that include site plan, architectural, structural, plumbing, mechanical, and electrical requirements. Plans should include:
  - a. Site plan – location of proposed and existing structures and constructed features, utilities, related roads and parking areas, accessible routes to/from the proposed structures.
  - b. Architectural Plans - dimensioned plans with foundation plan, floor plans, roof plan, door and window requirements, stair and railing, building elevation, and any other accessible features. Include exterior building materials and colors.
  - c. Structural Plans – size and requirements for structural members, supports, connectors, shearwalls, etc.
  - d. Electrical Plans – Include location of electrical service on the site plan, electrical plan for building with building service panel identified. Include grounding details.
  - e. HVAC Plans - Include plans and design calculations on building heating, ventilation, and air conditioning, if applicable.
  - f. Accessibility – information should include all required elements to adequately address and comply with applicable accessibility requirements (2004 ADA/ABA).
2. The drawings must be stamped by the Professional Engineer and Architect responsible for the design, and must comply with all current building codes (IBC, IPC, IMC, NEC, etc.), standard, and other safety requirements.
3. Submit Structural Calculations for the structure (building, tower, etc.) that includes loads required by IBC, ASCE-7 and TIA-222-G (vertical and lateral). Structural calculations must be stamped by the structural engineer responsible for the design.

4. Submit electrical load calculations showing service is adequate for new building, and provide load calculation for the new building. Load calculation must be stamped by the electrical engineer or in some cases state allows a licensed electrician to sign.
5. Domestic Water – if the building/facility includes water service, provide information about the water system serving the facility that shows the water system can serve the new facility or addition. If water service is not adequate for the new facility, then a design for upgrade of the water system will be needed. A State Water Right for the water system may be needed depending on the situation.
6. Sewer System – if the building/facility includes a waste water component, provide information about the capacity and adequacy of the sewer system that will service the facility should be provided. Information should show the sewer system can serve the new facility or addition. If sewer system is not adequate for the new facility, then a design for upgrade of the sewer system will be needed.
7. Sewer System – if the building includes, provide information on the sewer system service the facility. Information should show the sewer system can serve the new facility or addition. If sewer system is not adequate for the new facility, then a design for upgrade of the sewer system will be needed.
8. If required, obtain the appropriate building permits from the local building permitting agency with jurisdiction prior to beginning work. Provide copy of permit or documentation of application for permit.
9. Project for Water and/or Wastewater Systems Improvements –
  - a. Submit Plans and Specifications stamped & signed by the licensed professional engineer responsible for the design.
  - b. Provide Engineering Reports to include requirements called for in the State regulations.
  - c. For Water Systems – provide design information and calculations to include water source capacity, types water use (domestic, irrigation, fire, etc.), for average daily demands, maximum daily and hourly demand, needed fire flows, sizing of storage tanks, etc.
  - d. For Wastewater Systems, provide design information and calculations to include, percolation tests date, soil profile, design flow, sizing of septic tank, sizing of waste disposal system, etc.
  - e. Design should meet standards and requirement of the State, Environmental Protection Agency (EPA), and Forest Service.
  - f. If required, obtain the appropriate permits from the State and/or Local Health Department. Provide copy of permit or documentation of application for permit.
10. Schedule - Indicate approximate starting date for construction of the improvement(s) and/or related infrastructure. Provide a construction schedule for all elements that will be built.