

DEPARTMENT OF THE ARMY  
SOUTH PACIFIC DIVISION, CORPS OF ENGINEERS  
630 Sansome Street, Room 720  
San Francisco, California 94111-2206  
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DIVISION TECHNICAL 31 AUGUST 1990  
LETTER 1110-1-9

Expires 31 August 1992  
Engineering and Design  
UTILITY PLANS

1. Purpose. This letter provides guidance on the preparation of utility plans.
2. Applicability. It is applicable to Los Angeles and Sacramento Districts.
3. Background. The general practice, when preparing contract drawings, has been to provide an Electrical Site Plan with the electrical drawings, and to not include that electrical information on the Utility Plan, which is included in the civil drawings.

This lack of integration of electrical utilities (power, telephone, communications, etc.) with other utilities (water, sewer, gas, steam, etc.) and with the overall site plan has caused several types of problems, many of which have been detected during the review process. For example, new power poles have been inadvertently located in the middle of paved areas, and an electrical transformer pad was unintentionally located in the middle of a drainage swale. Other serious potential problems arise from the conflict between underground electrical utilities and other underground utilities.

To reduce the potential for these types of conflicts this DTL requires that electrical utilities be shown on the Utility Drawing as well as on the Electrical Site Plan. Some projects, of course, might have circumstances which would require special treatment. For example, if power must be brought in from several blocks away it would probably extend beyond the project site map and a special drawing might have to be prepared at a larger scale. This is also sometimes true of water and sewer lines. A project may also have numerous secondary electrical lines which would require a separate plan at a smaller scale than the general Utility Plan.

4. Action to be Taken.
  - a. The Utility Plan in all project drawing sets shall include electrical utilities as well as water, sewer, gas, etc.
  - b. Electrical drawings shall include Electrical Site Plan.
5. Implementation. This guidance shall have routine application as described in paragraph 6c(2) of ER 1110-345-100

FOR THE COMMANDER:

Jay K. Soper  
Director of Engineering

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