

**NATURAL RESOURCES CONSERVATION SERVICE  
DOCUMENTATION AND CERTIFICATION**

**STRUCTURE FOR WATER CONTROL  
Code 587**

The items below shall be recorded in the conservation plan, conservation notes or an approved form as minimum documentation requirements for a practice.

1. Location and Site Investigation

Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide

Location Map (Topographic Quadrangles)

Aerial Photos

Surveying Plat (Property Limits)

Flooding Maps (FEMA)

SHPO - Cultural Resources Inventory

Maps from Utilities Co. Providers

References:

- TR-1, Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
- Conservation Map
- NRCS, GM 420, Part 401, Cultural Resources
- USGS Topographic Quadrangles

2. Soils/Geology Investigation

Geologic Maps

Soil Boring - Form CB-ENG-016, Site Investigation Log Sheet

Conservation Plan Soil Map

Soil Testing Lab (Optional)

Log Test Pit

References:

- NRCS Area Soil Survey
- TR-1, Form CB-ENG-016, Site Investigation Log Sheet
- Unified Soil Classification Chart

3. Engineering Survey

Form SCS-ENG-28

Form SCS-ENG-29

Surveying Computer Programs

References:

- 210-VI-TR-62, Engineering Layout, Notes, Staking and Calculations
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey

#### 4. Engineering Criteria

References:

- CB FOTG Sec. IV, Code 587, Structure for Water Control
- CB FOTG Sec. IV, Code 554, Drainage Water Management
- CB FOTG Sec. IV, Code 533, Pumping Plant for Water Control
- CB FOTG Sec. IV, Code 516, Pipeline
- CB FOTG Sec. IV, Code 342, Critical Area Planting
- 210-VI-NEH-650.03, EFH Chapter 3, Hydraulics
- 210-VI-NEH-650.06, EFH Chapter 6, Structures
- 210-VI-NEH-650.14, EFH Chapter 14, Water Management (Drainage)
- 210-VI-NEH-623.02, Section 15, Chapter 2, Irrigation Water Requirements
- 210-VI-NEH-15, Chapter 3, Planning Farm Irrigation Systems
- 210-VI-NEH-15, Section 15, Chapter 8, Irrigation Pumping Plants
- 210-VI-NEH-623.09, Section 15, Chapter 9, Water Measurement

#### 5. Drafting and Drawings

Drafting Computer Programs Output  
Sketches and Drawings

References:

- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-TR-73, Computer Aided Design and Drafting (CADD) Standards

#### 6. Engineering Cost Estimates

Local Suppliers Material Cost Lists

Reference:

- CB FOTG Section I, Cost Data

#### 7. Construction Materials and Specifications

References:

- 210-VI-NEH-650.17, EFH Chapter 17, Construction and Construction Materials
- 210-VI-NEH - Part 642, Specifications for Construction Contracts