

**NATURAL RESOURCES CONSERVATION SERVICE
DOCUMENTATION AND CERTIFICATION**

**DIVERSION
Code 362**

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

Environmental Checklist Form (CB-EVC-2)
Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
Conservation Plan Map
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
- 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 362, Diversion
- CB FOTG Sec. IV, Code 342, Critical Area Planting
- 210-VI-NEH-650.07, EFH Chapter 7, Grassed Waterway
- 210-VI-NEH-650.05, EFH Chapter 9, Diversions
- ARS, Agricultural Handbook 667, Stability Design of Grass-Lines Open Channels
- TR-1, Form CB-ENG-003, Diversion Design, Layout and Final Check Sheet

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. O&M and Safety

Manufacturer's Recommendations
Operation and Maintenance Plan

Reference:

- OSHA Reference Manuals

8. 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
- ASTM Standard Specifications

9. Installation and Certification

Certification that application meets NRCS standards and specifications

Reference:

- 210-VI-NEH, Section 19, Construction Inspection