

FLOODWAY

Design Surveys

The following information shall be obtained and recorded in the field notes:

- a. Profile and cross- sections of centerline.
- b. Detailed topography at outlet and other required locations.
- c. Soils investigation.
- d. Traverse or notations relating to clearing.
- e. Borrow and waste area locations.

Design Data

The following shall be considered minimum in the design of all floodways. The information shall be recorded in the design notes. Appropriate data will be transferred to the construction drawings.

- a. Hydrology.
- b. Hydraulics for floodway and outlet.
- c. Dike dimensions and location.
- d. Channel Stabilization.
- e. Clearing requirements.
- f. Structural design.
- g. Volume computations.
- h. Revegetation requirements.
- i. Records indicating NRCS obligations regarding State and Federal regulations including NEPA requirements have been met.

Drawings and Specifications

The construction drawings shall include, but will not be limited to the following:

- a. Plan view (overall).
- b. Profile and cross-section of channels and dikes.
- c. Structural plan, sectional views, reinforcing detail and steel schedules.
- d. Clearing details.
- e. Waste and borrow areas.
- f. Table of quantities.
- g. Location map.

Practice specifications along with applicable "Items of Work and Construction Details" shall be provided for each item or phase of construction.

Layout Survey Notes

The following information shall be recorded in the field notes:

- a. Centerline and slope stakes, with offset hubs for all channel excavation and dikes.
- b. Grade, alignment and reference stakes for structures.
- c. Traverse or lateral limits of areas to be cleared.

Compliance Checks

The complexity of the structure will dictate the need for compliance checks during construction. All compliance checks shall be recorded in the field notes. Narratives of construction checks shall be recorded in the Job Diary or on a sheet in the field notes. Compliance checks shall include but will not be limited to the following:

- a. Profile of channel and dikes (100 foot maximum interval).
- b. Cross-section of channel and dikes (500 foot maximum interval).
- c. Elevations, dimensions and materials of outlet and other structures.
- d. Traverse or lateral measurements of area cleared.
- e. Revegetation accomplishments.
- f. Statement of compliance.

As-Built Plans

As-Built drawings shall be prepared for all floodways. These drawings shall reflect all significant changes in linear measurements, quantities, alignments or design changes. If there were no significant changes, the original drawings shall be marked "As-Built".