

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE ENGINEERING NOTEKEEPING**

STREAM CROSSING (FORD CROSSINGS)

(No.)

CODE 578

**DESIGN SURVEY AND DESIGN
NOTES**

1. Profile of stream channel above and below crossing
2. Cross-section of stream at crossing centerline
3. Drainage area of stream
4. Analysis of scour depth and natural stable channel grade

PLANS AND SPECIFICATIONS

Information required shall include, but not limited to, the following:

1. Drawings
2. Material and Construction Specifications
3. Width of crossing
4. Total length of crossing
5. Grade or percent slope of approaches
6. Type and dimensions of geotextile fabric
7. Dimensions of trench and method of securing the ends of the geotextile
8. Type, size and number of anchoring pins used to tie down the geotextile
9. Gradation and type of gravel or other stabilizing material
10. Location and extent of fencing required
11. Location and quantities of seeding required to vegetate disturbed areas
12. Method of surface water diversion during construction

13. Other pertinent design data and approval signature

CONSTRUCTION LAYOUT

Set enough well marked stakes to guide the contractor in constructing the stream crossing according to plans.

CONSTRUCTION CHECK

As a minimum, the following data will be recorded:

1. Slope of approaches
2. Profile of stream channel to show crossing and stream are on a uniform grade
3. Type and quantity of geotextile used
4. Gradation, quantity, and type of gravel
5. Adequacy of vegetation
6. Other pertinent data
7. Statement to the effect that practice meets plans and specifications
5. Signature and date of person making certification

RECORDING OF DATA

Form NC-ENG-45 may be used for recording of data.