

MAR 13 1984

XX27332X SPECIFICATIONS FOR CONSTRUCTION

1003-13-84
PAGE
204

GENERAL.

- Detailed engineering plans of the proposed embankment, spillway(s) and reservoir are shown on the reverse side of this sheet and are part of these specifications.
- No changes nor deviations to these plans and specifications shall be allowed without a written amendment, in advance of change, from the responsible technician of the Soil Conservation Service.
- All facilities for impounding water shall comply strictly with all State and local statutes regulating such activity.
- The Soil Conservation Service makes no warranty, expressed or implied, of the impounding structure or the water holding ability of such a structure.

RESPONSIBILITIES OFLANDOWNERS

The landowner will acquaint himself with the provisions of the plans and specifications to determine that the completed structure will fulfill his present and future needs. Inspection during construction will be the responsibility of the landowner. He will advise the SCS technician of the date construction will begin, during foundation preparation, prior to backfill of cutoff trench, during pipe installation and upon completion of the work but prior to construction equipment being moved from the site. Where cost-sharing from government agencies is involved, inspection and concurrence of the work by the SCS technician is required.

CONTRACTORS

The contractor will acquaint himself with the provisions of the plans and specifications, conditions at the site that may affect his schedule of operation, and the location and meaning of all stakes on the site. Failure to do so will not relieve him of the difficulties and cost pursuant to satisfactorily completing the work in compliance with the plans and specifications and any written or verbal contract with the landowner. All bench marks, grade and line stakes will be left undisturbed and protected by the contractor to facilitate construction and inspection to the extent practical.

The contractor, weather permitting, will schedule his work so that he will start on the agreed date and work will be of a continuous operation until satisfactorily completed.

All damages occurring to completed or partially completed work or materials, by the elements or otherwise, during construction, will be the responsibility of the contractor. Partial or damaged work and/or replaced materials damaged from any cause will be paid for by the contractor. Absence of inspections during construction will not relieve the contractor from completing the work in strict compliance with the plans and specifications.

Upon completion of the work, before moving his equipment, the contractor will request final concurrence by the landowner and an employee of the SCS. The contractor will then receive concurrence that apparently all work has been completed satisfactorily and/or he may complete those items noted that vary from the plans and specifications in order that final concurrence can be made.

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

The Soil Conservation Service makes no warranty, expressed or implied, of the impounding structure or the water holding ability of such a structure.

The United States and its employees are in no manner a party to any verbal or written contract between the landowner and the contractor. SCS employees, within limit of personnel available, will assist the owner on inspections as requested during construction to help obtain satisfactory compliance with the plans and specifications.

SCS employees will also, upon reasonable notice, participate in a final inspection to help determine that the structure was constructed in accordance with the plans and specifications. Where federal cost-shared funds are involved, concurrence of a Soil Conservation employee is required before payment can be made.

CLEARING: All trees and brush shall be removed from the impoundment area or buried with at least one foot of soil cover below natural ground before any water is impounded. Trees in the pool area may be saved off as low as practical and stumps left standing. The foundation of the dam shall be cleared of all trees, stumps, roots, brush, sod and debris. All stumps and all roots exceeding one (1) inch in diameter shall be removed to a minimum depth of one (1) foot. Satisfactory disposition will be made of all debris outside the foundation area. After clearing is completed, the foundation area shall be loosened thoroughly and roughly leveled, with suitable equipment, before placement of any embankment material.

CUTOFF TRENCH: A cutoff trench shall be excavated as shown on the plans on the reverse side. The cutoff trench shall be backfilled in thin layers, not to exceed eight inches in depth. All standing water shall be removed from the trench before backfilling is started.

EMBANKMENT CONSTRUCTION: The material placed in the embankment shall be free of sod, roots, stones over six inches in diameter, and other unsuitable materials. The fill material shall be placed and spread over the entire fill in layers not to exceed eight inches in thickness. Construction of the fill shall be undertaken only at such times that the moisture content of the fill material will permit a reasonable degree of compaction. Fill material shall not be placed when it is so dry that when squeezed in the hand it will not remain formed. The landowner, with assistance from the SCS technician, shall be responsible for moisture determination.

FILL MATERIALS: Borrow areas will be designated on reverse side of this form and assigned priority (1, 2, 3, etc.); all fill material shall be taken from these designated areas. The SCS technician will advise the landowner regarding the priority and maximum depth of cut in each borrow area. Contractor shall not exceed this depth. In the event this depth is exceeded in the impoundment area, it shall be the responsibility of the contractor, without additional cost to landowner, to cover the exposed area with a minimum of two feet of impervious material.

MINIMUM DEPTH OF POND: Where specified, the normal pool area shall have a minimum depth of two feet. To secure this depth, excavating around the water line on the inside of the basin is required.

PIPE: When a pipe is required, the riser or upright portion, if used, must be installed complete before final inspection and certification of practice is made. The inlet of the riser shall be protected by an inverted bucket-type, or an equally effective type, of trash rack satisfactory to the landowner and SCS technician. The horizontal section of pipe shall be placed on a firm foundation. Selected backfill material shall be placed around the pipe and its component parts in layers not exceeding four inches and each successive layer thoroughly compacted.

SEEPAGE COLLARS: Seepage collars will be of materials and dimensions, and located, shown on plans.

VEGETATED SPILLWAY(S): Spillway(s) will be excavated in undisturbed earth to the dimensions, grades, slopes, and location shown on the plans.

VEGETATION: All exposed embankment and spillway areas shall be vegetated to an adapted type of vegetation as specified.