

**NATURAL RESOURCES CONSERVATION SERVICE
MARYLAND
CONSERVATION PRACTICE CONSTRUCTION SPECIFICATION
EXCAVATED POND, CODE 378**

1. SCOPE

This specification covers the construction of an excavated pond. The work shall consist of furnishing all materials, labor, and equipment necessary for constructing the pond, including all appurtenances, in accordance with the construction drawings and these specifications.

2. SAFETY

It is the responsibility of the landowner and contractor to determine if there are buried or overhead utilities in the vicinity of the proposed work. The contractor is required to call the Maryland One Call System (811). They shall follow proper procedures to ensure that the utilities are not jeopardized, and that equipment operators and others will not be injured during construction operations. They will conduct all work and operations in accordance with the proper safety codes for the types of construction being performed with regard to the safety of all persons and property.

The Natural Resources Conservation Service (NRCS) makes no representation on the existence or non-existence of any utilities. Absence of utilities on the drawings is not assurance that no utilities are present at the site.

3. CONSTRUCTION OPERATIONS

NRCS should be notified at least 72 hours before the start of construction operations.

Construction operations shall be carried out in such a manner and sequence that erosion and air and water contamination are minimized and held within legal limits.

4. PERMITS

The owner will be responsible to obtain all permits required to construct or operate the pond. All required permits must be obtained prior to the start of construction.

5. CLEARING AND GRUBBING

All trees, brush, and other debris within the pond area and spoil area shall be cleared and grubbed before excavation begins.

All combustible material cleared and grubbed, from the site, shall be disposed of by burning, burying at approved locations or removing from the site. All burning shall conform to Maryland laws and regulations. All noncombustible materials cleared and grubbed from these areas shall be removed from the site or buried with a minimum cover of 2 feet. Topsoil, when available, should be stockpiled at a convenient location for use on the disturbed areas to facilitate establishment of vegetative cover.

6. EXCAVATION

Excavations shall be to the neat lines, grades and elevations shown on the drawings or as staked in the field.

Suitable excavated material shall be used in any required fills. Excess excavated material or unsuitable material shall be disposed of in designated spoil areas as shown on the plans or as stated in Section 13 of this specification.

7. VEGETATION

Vegetation will be established as specified on the plans. The slopes below the water line, spoil banks and other disturbed areas will be seeded or planted to perennial, non-woody vegetation and then mulched. A perennial vegetation filter strip at least 50 feet wide will be established around the excavated pond.

Treated areas will be fenced when needed to protect the vegetation from grazing or traffic.

Vegetation will be in accordance with NRCS NEH 642 Construction Specification 6, Seeding, Sprigging and Mulching or Section 13 of this specification. Any stockpiled topsoil shall be spread prior to vegetating.

8. POLLUTION CONTROL

Construction operations shall be carried out so that erosion and sediment are controlled during construction, and air and water pollution are minimized. Best management practices (BMP) for construction shall be installed and maintained as needed and according to NPDES permit if required. BMP's consisting of silt fences, hay bale barriers, diversions, mulching, stream crossings, temporary vegetation, fencing and others may be appropriate to adequately control erosion and sediment during construction.

9. WORKMANSHIP

Construction shall be performed to the neat lines and grades specified by the design and as shown on the engineering plans.

All construction shall be performed in a workmanlike manner, and the job site shall have a neat appearance when finished.

10. BASIS OF ACCEPTANCE

The acceptability of this practice shall be determined by quality assurance inspections to ensure compliance with all the provisions of this specification and construction drawings. Construction shall be approved by an NRCS employee with appropriate engineering job approval authority or Technical Service Providers.

Any modifications to the plans and specifications or changes shall be approved by the responsible NRCS employee before construction begins and any modification or changes needed during construction will be approved before installed.

11. CERTIFICATION AND GUARANTEE

The installing contractor shall certify that the construction complies with the requirements of this standard. A written guarantee that protects the owner against defective workmanship and materials for not less than one (1) year shall be furnished to the landowner. The written guarantee shall identify the manufacturer's specifications of the materials/appurtenances used. Copies shall be provided to NRCS. Owners who install their own materials/appurtenances shall furnish NRCS with records that show the manufacturer's specifications of the materials/appurtenances used.

12. MEASUREMENT AND PAYMENT

Method 1—For items of work for which specific unit prices are established in the contract, pond is measured to units specified in the items of work and construction details. Payment is made for the total unit at the contract unit price. Such payment will constitute full compensation for all labor, equipment, tools, and all other items necessary and incidental to the completion of the work.

Method 2—For items of work for which specific lump sum prices are established in the contract, payment is made at the contract lump sum price. Such payment shall constitute full compensation for all labor, equipment, tools, and all other items necessary and incidental to the completion of the work.

All Methods—The following provisions apply to all methods of measurement and payment. Compensation for any item of work described in the contract, but not listed in the bid schedule will be included in the payment for the item of work to which it is made subsidiary. Such items and the items to which they are made subsidiary are identified in Section 13.

13. ITEMS OF WORK AND CONSTRUCTION DETAILS

Items of work to be performed in conformance with this specification and the construction details therefor are: