

CONSTRUCTION SPECIFICATIONS

NATURAL RESOURCES CONSERVATION SERVICE

ANIMAL MORTALITY FACILITY

1. Scope

This item shall consist of the clearing, excavation, backfill, concrete, reinforcing steel, and other appurtenances required for the installation of an incinerator and the disposal of all cleared and excavated materials. Construction shall be conducted in such a manner that erosion, water, air, and noise pollution will be minimized and held within legal limits as established by state regulations.

2. Clearing and grubbing

All trees, brush, and stumps shall be removed from the site and spoil areas before excavation is performed. All material cleared from the area shall be disposed of by burning or burying on-site or hauling to an appropriate landfill. All burning shall conform to regulations and laws of Alabama.

3. Excavation

Non-structural soil will be removed from the foundation area. The completed excavation and placement of spoil material shall conform as nearly to lines, dimensions, grades, and slopes shown on the plans or staked on the site as skillful operation of the excavating equipment will permit.

4. Concrete

This work shall consist of furnishing, forming, placing, finishing, and curing Portland cement concrete. The concrete mixture shall be no less than a five (5) bag per yard mix. The water content shall not exceed 6 gallons per bag of cement. The concrete will be thoroughly rodded or vibrated and spaded to remove air voids and produce dense, watertight concrete. Concrete shall contain a standard known brand of Portland cement with washed sand and gravel. Clean water shall be used in the mix.

Suggested ratio of aggregates in mix:

94 lbs. cement (1 bag), 6 gallons water, 170 lbs. clean dry sand, 315 lbs. dry gravel.

Smaller batches: 1 part cement, 2 parts sand, and 3 parts gravel; add water at the rate of 1 gallon per 16 lbs of cement.

5. Installation of incinerators and freezers

Incinerators and freezers will be installed according to all national, state, and local laws, regulations, and codes; and the manufacturer's instructions. All exposed electrical wiring at the incinerator/freezer shall be in conduit. Incinerators shall be installed on a concrete pad and may be protected by a house structure or by a roof structure made of non-combustible material. Freezers may be protected by a roof structure capable of supporting the cover or lid during emptying of the carcasses.

6. Vegetation

Vegetation shall be applied to all disturbed areas as critical area planting and will include liming, fertilizing, seedbed preparation, seeding, and mulching. If farm animals will have access to the area, the area around the incinerator will be fenced, if appropriate.