

WASTE STORAGE STRUCTURE INSTRUCTIONS FOR USE OF SPECIFICATION 313S

1. APPLICABILITY

Construction Specification 313S is applicable to installation of all types of Waste Storage Structures. This includes, but is not limited to, structures composed of reinforced concrete, pressure-treated timber, steel, masonry and combinations thereof. It applies to site specific designs which may include component standard detail drawings and specifications prepared by others and concurred in by NRCS.

It is not applicable, in general, to earthen Waste Storage Ponds (Specification 313P). It is, however, applicable to structural components of Waste Storage Ponds such as retaining walls, pumping platforms, pushoff ramps, etc.

Specification 313S should also be used for cast in place concrete used in other conservation practices.

2. ITEMS TO BE INCLUDED IN SECTION 9 AND/OR DRAWINGS

- a. Material requirements, including but not limited to:
 - (1) concrete strength other than 4000 psi
 - (2) cement type if other than I or II
 - (3) reinforcing steel grade, if >40 ksi
 - (4) any special concrete admixture requirements
 - (5) any special curing compound requirements
 - (6) specific type of preformed expansion joint filler if required
 - (7) specific type of waterstop material if required
 - (8) metal type and grade
 - (9) wood species and grade, or strength
 - (10) truss span and loading conditions
 - (11) pressure treated wood requirements if other than C16 (CCA)
 - (12) fastener requirements, including type finish or coating and extra corrosion protection if pressure treated wood is other than CCA
 - (13) masonry type and reinforcing
 - (14) drainage materials
- b. Applicable dimensions, work limits, excavation/fill limits, finished grades and elevations
- c. Structural limitations and restrictions such as:
 - (1) backfill requirements
 - (2) allowable equipment surcharge
 - (3) foundation and drainage requirements
- d. Safety components (e.g. fences, steps, gates, guard rails)
- e. Erosion and sediment control
- f. Temporary and permanent vegetative requirements
- g. Reference to other practice specifications (e.g. 382, 606, 620, 634), if applicable.