

ITEM 730

CONCRETE TRUCK WASHOUT STRUCTURES

- 730.1 Description
- Item includes requirements for construction, installation and removal of concrete washout structures. The description for maintenance is included in this specification, but payment for maintenance is part of item 751, "SWPPP Inspection and Maintenance".
- 730.2 Submittals
- Designate concrete washout structure to be used:
- a) Concrete washout structure constructed below grade as shown on Detail A
- or
- b) Prefabricated concrete washout container as shown on Detail B.
- Submit site plan showing location(s) of concrete washout structure(s) for approval.
- Material Disposal. Submit plan for disposal of both concrete washout water and solid concrete wastes for approval.
- 730.3 Concrete Truck Washout Structure
- Refer to attached Detail A – Below Grade Concrete Washout Structure with and bags or Detail B – Portable Concrete Washout Container with Ramps, such as provided by American Concrete Washout, Inc. or approved equal.
- 730.4 Placement
- Do not locate concrete washout structures within 50 feet of storm drain inlets, open drainage facilities or watercourses.
- Locate away from construction traffic or access areas to prevent disturbance or tracking.
- 730.5 Construction
- Install a sign adjacent to each temporary concrete washout structure to inform concrete equipment operators to utilize the proper facilities. See attached Detail sheets for sign dimensions.
- Detail A - Below Grade Concrete Truck Washout Structure with Sandbags.
- Construct temporary concrete washout structures below grade with a minimum length and width of 10 feet. Construct and maintain concrete truck washout structures in sufficient quantity and size to contain all liquid and concrete waste generated by washout operations.

Remove rocks and other debris in soil base of structure that might tear or puncture the plastic lining.

Provide plastic lining material which is a minimum of 10-mil thick polyethylene sheeting. Sheeting shall be free of holes, tears or other defects that compromise the impermeability of the lining. Install lining seams in accordance with manufacturers' recommendations.

Install 15 feet by 35 feet by 8 inches thick granular fill truck parking pad underlain with geotextile per Item 724 – Stabilized Construction Access.

Install orange safety fence around three sides of the structure as shown on Detail A.

Detail B – Place Portable Concrete Washout Container(s) as shown on the approved submittal.

730.6 Maintenance

Once concrete wastes are washed into the designated structure and allowed to harden, break up the concrete remove and dispose in accordance with approved submittal.

Inspect lining integrity and level in concrete washout structure before each rainfall to prevent overtopping due to rainfall and daily during periods of daily rainfall and, at a minimum, once every week.

Repair or replace damaged lining or other damaged or missing parts of the washout structure immediately.

Maintain level in washout structure(s) to provide adequate holding capacity with a minimum freeboard of 12 inches.

Existing structure(s) must be cleaned, or new structure(s) constructed and ready for use once the washout structure is 75% full.

730.7 Removal Of Concrete Washout Structures

Once concrete washout structures are no longer required, as determined by the Engineer, remove and dispose the hardened concrete and concrete washout water per the approved submittal.

730.8 Material Disposal

Dispose materials used to construct truck washout structure(s) and granular fill parking pad(s) properly.

Remove unusable, objectionable or excess material from the construction work area. Properly dispose of such material.

Disposal of material in the 100-year flood plain without permits is prohibited.

Disposal of material in wetlands or other environmentally sensitive areas without permits is prohibited.

Material disposed of without permits shall be removed and properly disposed of at no cost to the City. Restore the site at no cost to the City.

Cleared and grubbed material may be chipped on-site and chips disposed of in areas approved by the Engineer, provided the following items are adhered to:

Scatter chips sufficiently to prevent killing turf grass or other desirable vegetation.

Dispose of excess chips in accordance with this Item

730.9 Site Restoration

Compact clean fill in pit up to surrounding grade.

Backfill and repair all holes, depressions or other ground disturbances caused by the construction and removal of the concrete washout structure(s).

Restore concrete washout structure area to match surrounding grade and vegetation.

730.10 Measurement

Measurement is as noted as lump sum. No separate measurement will be made for maintenance or removal of accumulated washout structure wastes.

730.11 Payment

Payment is lump sum, for the duration of the project. Payment shall include and be full compensation for all labor, equipment, materials, supervision and for all incidental expenses for the construction of these items, complete in place, where 60% of the total cost shall be for the furnishing and installation with embankment and excavation, and protection of trees. Thus, 40% of the total cost shall be for the removal of erosion protection and sediment control systems: concrete truck washout structures, after final stabilization, at the end of the project.

Construction and maintenance of sediment traps or basins associated with the stabilized construction access for the purpose of washing equipment or vehicles prior to egress to public right of way shall be considered incidental to stabilized construction access.

No separate payment will be made for maintenance or removal of accumulated washout structure wastes, per this item. Removal of the concrete washout structure and site restoration is a part of the cost bid for the concrete washout structure. For the Below Grade Concrete Washout Structure shown

on Detail A, the sandbags and geotextile are incidental to the cost of the concrete truck washout structure.

END OF ITEM 730