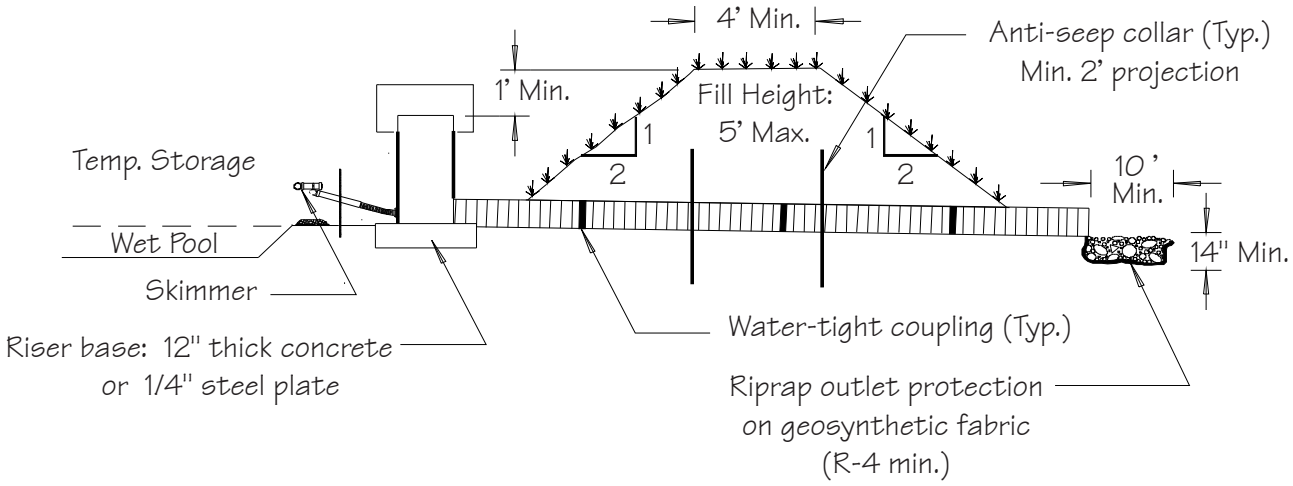
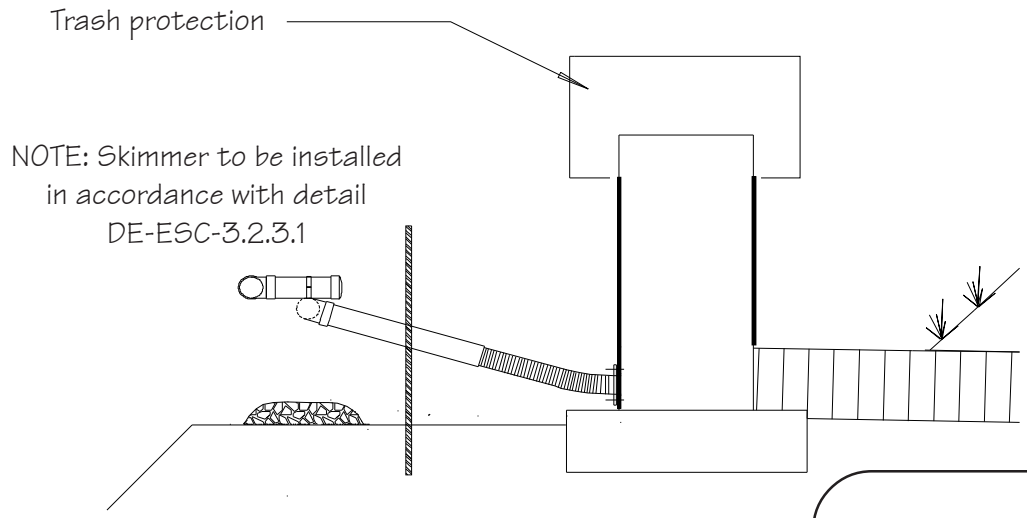
Standard Detail & Specifications

Pipe Outlet Sediment Trap



Profile thru Pipe Outlet



Riser Detail

DATA
- Drainage area (D.A.)
- Required storage (V_s)
- Design dimensions (L x W x D)
- Riser diameter
- Pipe diameter

Source:	Symbol:	Detail No.
DE ESC Handbook	PST	**DE-ESC-3.1.3.1** Sheet 1 of 2 Effective July 2023

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Pipe Outlet Sediment Trap

Construction Notes

1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots or other woody vegetation as well as oversized stones, rocks, organic material, or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
4. All pipe connections shall be watertight.
5. Fill material around the pipe spillway shall be hand compacted in four (4) inch layers. A minimum of two (2) feet of hand-compacted backfill shall be placed over the pipe spillway before crossing it with construction equipment.
6. The riser shall be anchored with either a concrete base or steel plate base to prevent flotation. Concrete bases shall be 12 inches thick with the riser embedded nine (9) inches. Steel plate bases will be 1/4 inch minimum thickness attached to the riser by a continuous weld around the bottom to form a watertight connection. The plate shall have 2.5 feet of stone, gravel or tamped earth placed on it.
7. Volume of temporary storage shall be 3,600 cubic feet per acre of drainage area. Wet pool storage should be provided whenever practicable, but shall not be used to fulfill the temporary storage volume requirement.
8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
9. The structure shall be inspected after each rain and repairs made as needed.
10. **A skimmer dewatering device shall be considered an integral part of the trap. Any additional dewatering operations for the wet pool shall be conducted in accordance with any and all regulatory requirements.**
11. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized. Disturbed areas shall be stabilized in accordance with the Standards and Specifications for Vegetative Stabilization contained in this Handbook.
12. The structure shall be removed and area stabilized when the drainage area has been properly stabilized.

MAXIMUM DRAINAGE AREA: 5 ACRES

Source:	Symbol:	Detail No.
DE ESC Handbook	PST	**DE-ESC-3.1.3.1** Sheet 2 of 2 Effective July 2023