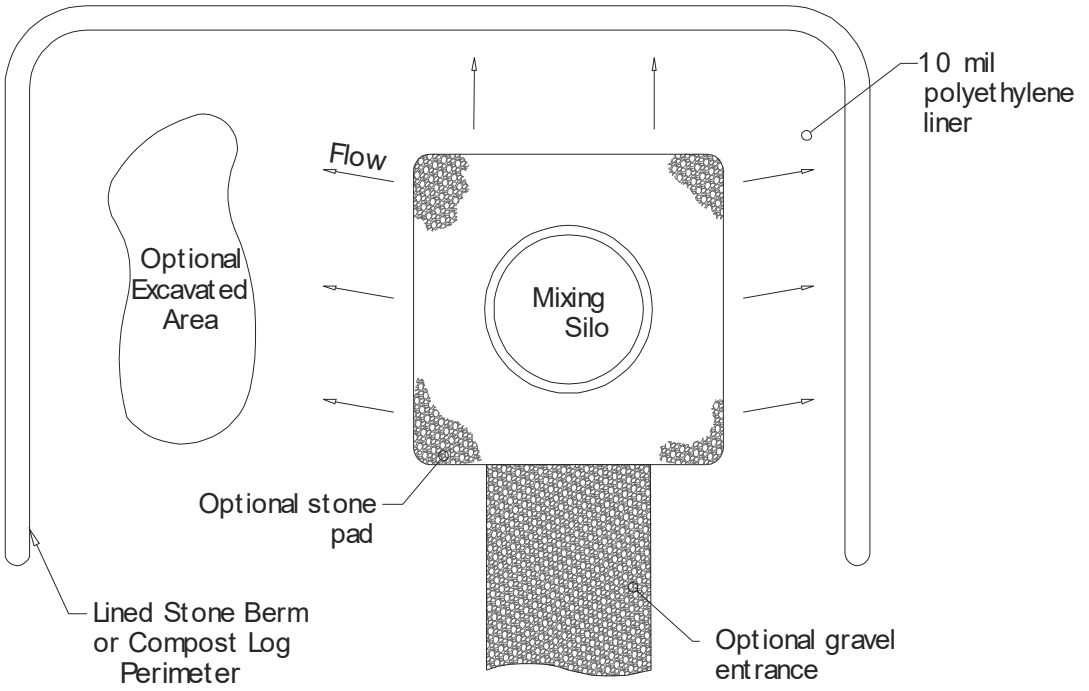
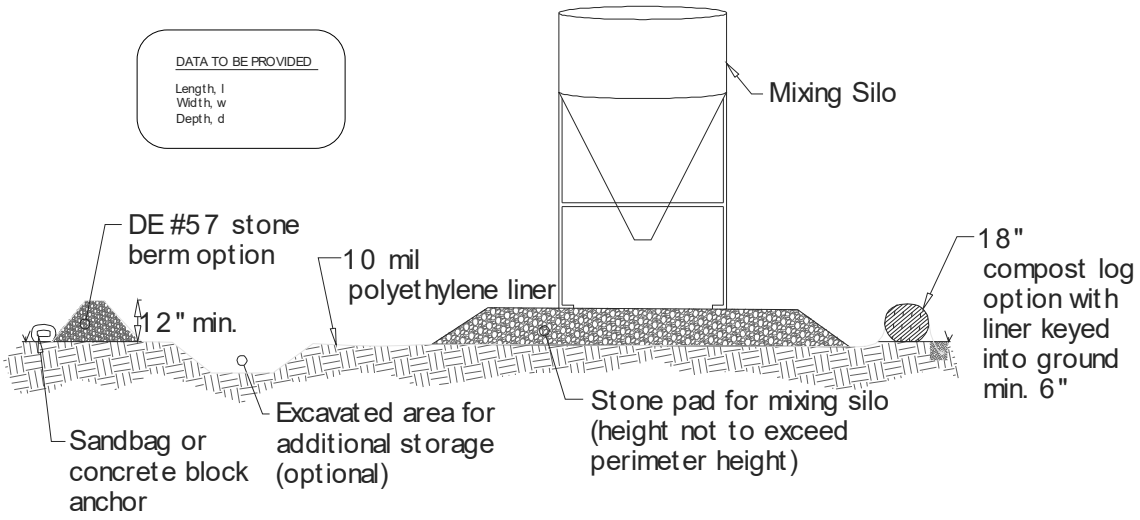
## Standard Detail & Specifications

# Concrete Mixing Operation

### Plan View




NOTE: Berm required on all sides (excluding access drive location)




### Section View

| Source: | Symbol: | Detail No. |
|---|---|---|
| Adapted from MN/DOT Concrete Manual, Chap. 4 | **CMO** | **DE-ESC-3.6.3**<br>Sheet 1 of 2<br>Effective July 2023 |

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## Construction Notes:

1. Locate concrete mixing and containment area a minimum of 50 feet from open channels, stormdrain inlets, wetlands or waterbodies.
2. Locate concrete mixing and containment area so that it is accessible to telescopic lifts (service with a minimum 10 foot wide gravel or paved accessway), but so it is not in a highly active construction area causing accidental damage.
3. Minimum volume for installed containment areas are 3.5 cubic feet per cubic foot of mixing capacity. The installed containment area must encompass the storage silo and mixing unit, and be surround on three sides minimum by a 12" high stone berm (DE #57) or 18" compost log
4. The 10-mil poly liner must be free of tears or holes and placed over smooth surfaces to prevent puncturing. The liner shall cover the perimeter control and be secured on the backside using cement or sandbags, or keyed into the ground a minimum of 6".
5. Allow cementitious waste to harden through evaporation of the wastewater. Once the facility has reached 75 percent of its capacity, remove the hardened concrete by reusing the broken aggregate onsite, recycling, or disposing of offsite. The hardened material can be buried on site with minimum of 1 foot of clean, compacted fill.
6. Apply a new liner before reusing the station for additional mixing after maintenance has occurred.

| Source: | Symbol: | Detail No. |
|---|---|---|
| Adapted from MN/DOT Concrete Manual, Chap. 4 | CMO | **DE-ESC-3.6.3**<br>Sheet 2 of 2<br>Effective July 2023 |