



Groundwater Drainage, Water Treatment Wastewater, Non-discharging System and Forms

Technical Standards Section IX, X and XI
pg. 45


Connecticut Department of Public Health
Keeping Connecticut Healthy


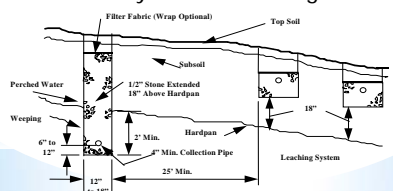
*** Groundwater, Roof, Cellar, Parking Lot and Yard Drains** (pg. 45)

- * Such drainage shall not discharge within 25 feet of the sewage disposal system.
- * Separation distance to drainage systems must conform with Table 1.
- * GW control drains shall be constructed to lower the GW at least 2 feet below the bottom of leaching system.

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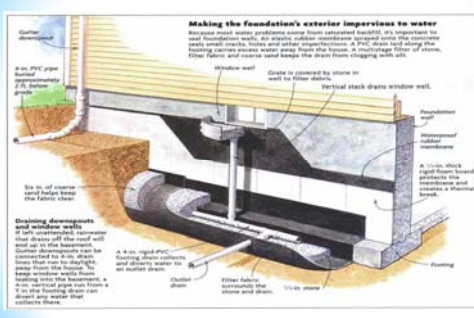
*** CURTAIN DRAIN DETAIL**

- Collection pipe 6"-12" above bottom of drainage trench
- Pipe shall have minimum diameter of 4 inches (perforated or open-joint pipe)
- Surrounded by clean stone or gravel



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*** FOOTING DRAIN DETAIL**



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*** Section X: Water Treatment Wastewater** (pg. 45)

* The Commissioners of the Department of Energy and Environmental Protection and the Department of Public Health entered into a delegation agreement in July 2017 that provides the authority for the DOH to approve and permit discharges of water treatment wastewater (WTW) on properties governed by PHC Sections 19-13-B103a through f.

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*** Water Treatment Wastewater**

- * The agreement authorizes WTW discharges to approved WTW disposal systems which include
 - * WTW dispersal systems
 - * SSDSs
 - * holding tanks
- * All WTW disposal systems shall prevent the discharge of WTW to the ground surface, wetlands, or open watercourse
- * Shall comply with the requirements and any future regulations.

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DPH * Water Treatment Wastewater

*Distances

Item	Separation Distance (feet)	Special Provisions
Public or private water supply well with required withdrawal rate of: < 10 GPM 10 to 50 GPM > 50 GPM	75 150 200	The DOH may allow certain separation distance reductions on existing developed properties if compliance cannot be met due to site limitations. (19-13-B)
Open watercourse	25	
Public water supply reservoir	100	
Property line	10	
Subsurface sewage disposal system	See Table I (Item Q)	

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DPH * Water Treatment Wastewater

- The DOH may require an inspection of the WTW disposal system. In areas where well water treatment is anticipated, plans for new SSDSs should designate an area where a WTW dispersal system can be installed in accordance with Table 9.
- The Commissioner may authorize WTW discharge to a SSDS
- WTW cannot be discharged to a cesspool. WTW from ion exchange systems, either cationic (e.g., water softener) or anionic (e.g., radionuclide treatment), cannot be discharged to a SSDS.

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DPH * Non-Discharging Systems (pg. 47)
Regulation 19-13-B103f (pg. 9)

- * Large Capacity Composting Toilets
- * Heat Assisted Composting Toilets
- * Incineration Toilets
- * Dry Vault Privies
- * Chemical Privies
- * Holding Tanks-DOH to review prior to submitting to DPH for review and approval (not in regulation).

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DPH * Non-Discharging Systems

Composts Toilets

- * The local DOH may approve the usage of such toilets to replace an existing privy or failing subsurface sewage disposal system
- * The lot must be tested and found suitable for the installation of a subsurface sewage disposal system meeting all requirements
- * All wastes removed from these toilets shall be disposed of by burial or other methods approved by the local DOH

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DPH * Composting Toilet

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DPH * Non-Discharging Systems


Incineration toilets

- * Can be approved by the local DOH for the purpose of abating existing sewage problems or replacing the existing non-water carriage toilets.

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DPH* Non-Discharging Systems

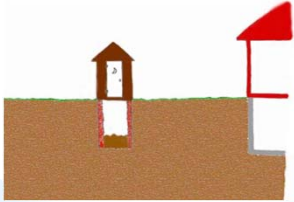
Chemical flush toilets and chemical privies
 *Approved by the local DOH if located outside of building or by DPH if located inside of building



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DPH* Non-Discharging Systems

Dry vault privies
 *Can be approved by the local DOH for non residential use where located outside of buildings used for human habitation



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DPH* Non-Discharging Systems

Sewage Holding Tank

- Approved by DPH only when routed through the local health department.
- Single or double compartment.
- High level alarm
- Service contract needed.

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DPH* Forms (pgs. 48-55)

- *Form #1 Approval to Construct a Subsurface Sewage Disposal System (pg. 48)
- *Form #2 Site Investigation for a Sewage Disposal System (pgs. 49-52)
- *Form #3 Final Inspection Report (pgs. 53-54)
- *Form #4 Permit to Discharge (pg. 55)
- *The use of forms are mandatory unless an alternate form is approved by DPH.

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