



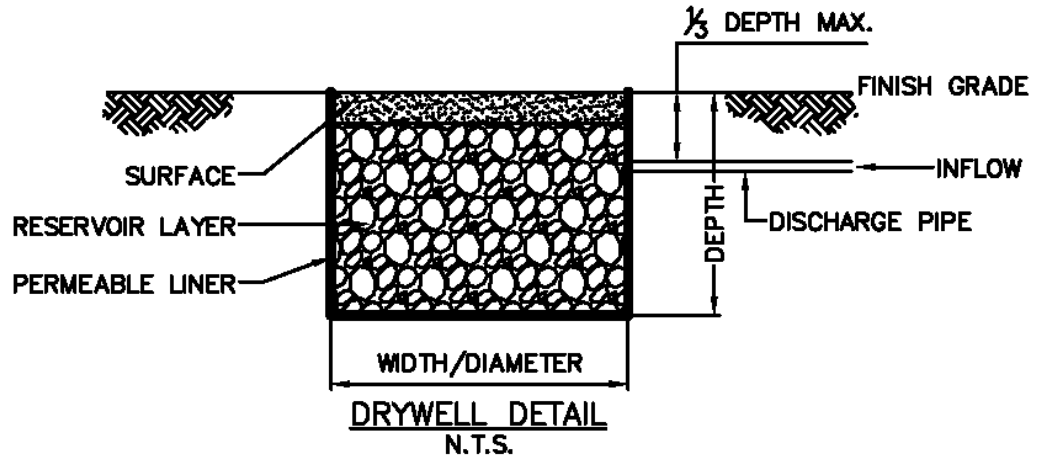
Groundwater Dewatering System Permitting Requirements

Table with 2 columns: Category (Authority, Purpose, Document Date, Customer Interface, Definition, Permitting Requirements, Criteria) and Description. The table details the regulatory framework for groundwater dewatering systems, including permit requirements, discharge criteria, and notification procedures.

the water table of neighboring property, for the duration of the life of the structure. An example drywell detail, including certain minimum requirements, is shown below.

C) Discharge of groundwater to the surface

The groundwater dewatering system may discharge to the surface, as long as it is demonstrated that the design will not result in surface flows to any adjacent property or public Right-of-Way for the duration of the life of the structure.



NOTES:

1. Dimensional ratio: Drywell depth must not exceed the drywell width/diameter.
2. Volume: Must contain a minimum volume, based on soil permeability and pump discharge rate (maximum discharge capacity of the pump) to ensure adequate capacity without overflow.
3. Reservoir Layer: Shall use rock of uniform size in order to maximize volume. 3/4" river rock or 3/4" crushed rock is recommended.
4. Surface: The surface shall be designed in a way that prevents sediment migration into the top of the drywell, which would reduce void volume and permeability.
5. Liner: The drywell should be lined in order to prevent sediment migration into the reservoir from adjacent soil. The liner shall have the proper permeability rate to allow the drywell to drain in the appropriate time based on the drywell size and rate.
6. Discharge pipe: It is recommended that the discharge pipe be placed no deeper than 1/3 the depth of the pit.
7. All water piped to the drywell shall be groundwater sump pump discharge only; all stormwater run off must be routed through a separate system. Any stormwater run off from roofs or ground surface will clog the fabric and native soils.

Storm Water: No storm water shall be allowed to enter a groundwater dewatering system. Storm water shall be discharged from the property by alternate means that meet Wastewater requirements and standards for storm drainage. For example, roof drains may not discharge from the property through this system, and downspouts/splash blocks shall be designed in a way to minimize this storm water from reaching the underground building perimeter drain. Exception: Overflow drains within non-hardscaped window wells may drain to the groundwater dewatering system.

Sanitary Sewer: In no case may ground water be discharged to the sanitary sewer system.

Fees:

- ✚ Checks are to be made payable to Manager of Finance.
- ✚ Application fee: \$100.00, collected at time of permit issuance.
- ✚ Required Inspections: \$55.00 each, collected at time of permit issuance.
- ✚ Sanitary connection fees will be calculated according to the current Public Works Wastewater fee schedule. Fee schedule can be located at [Development Services/SUDP](#)