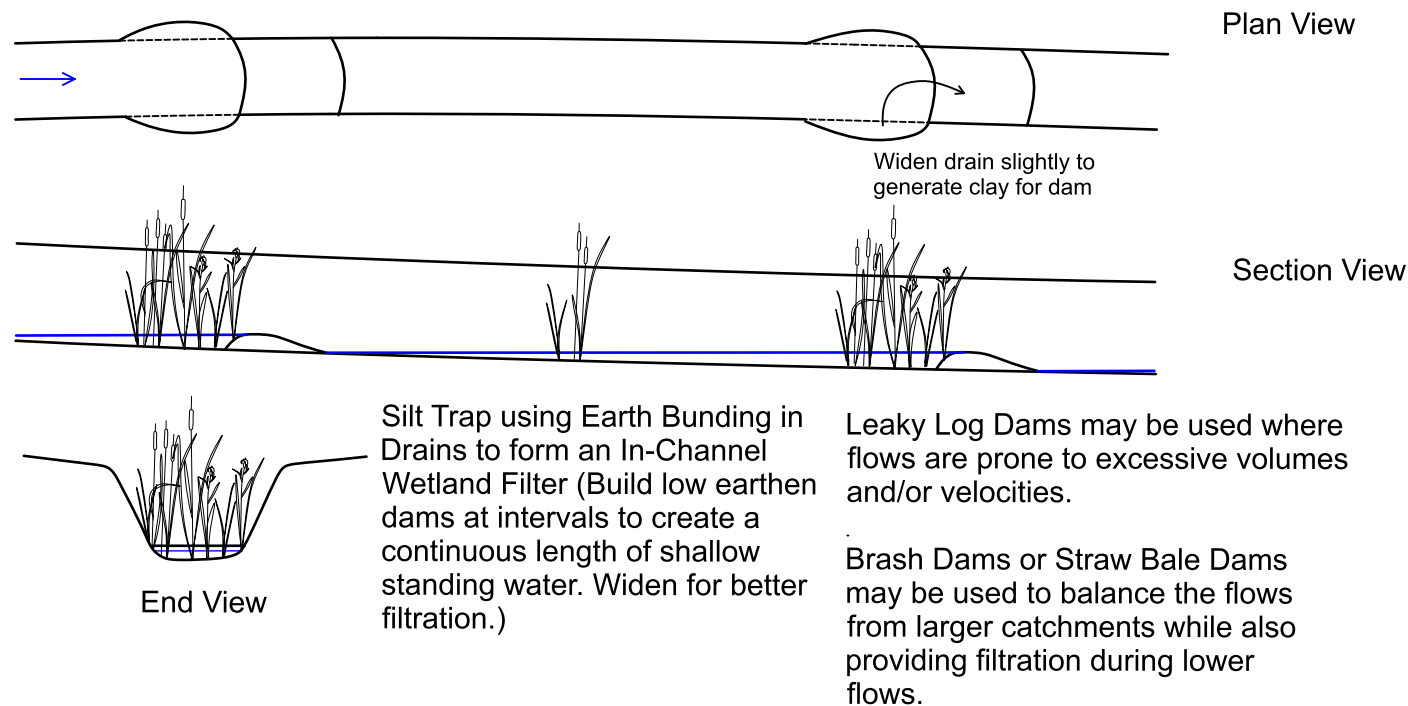
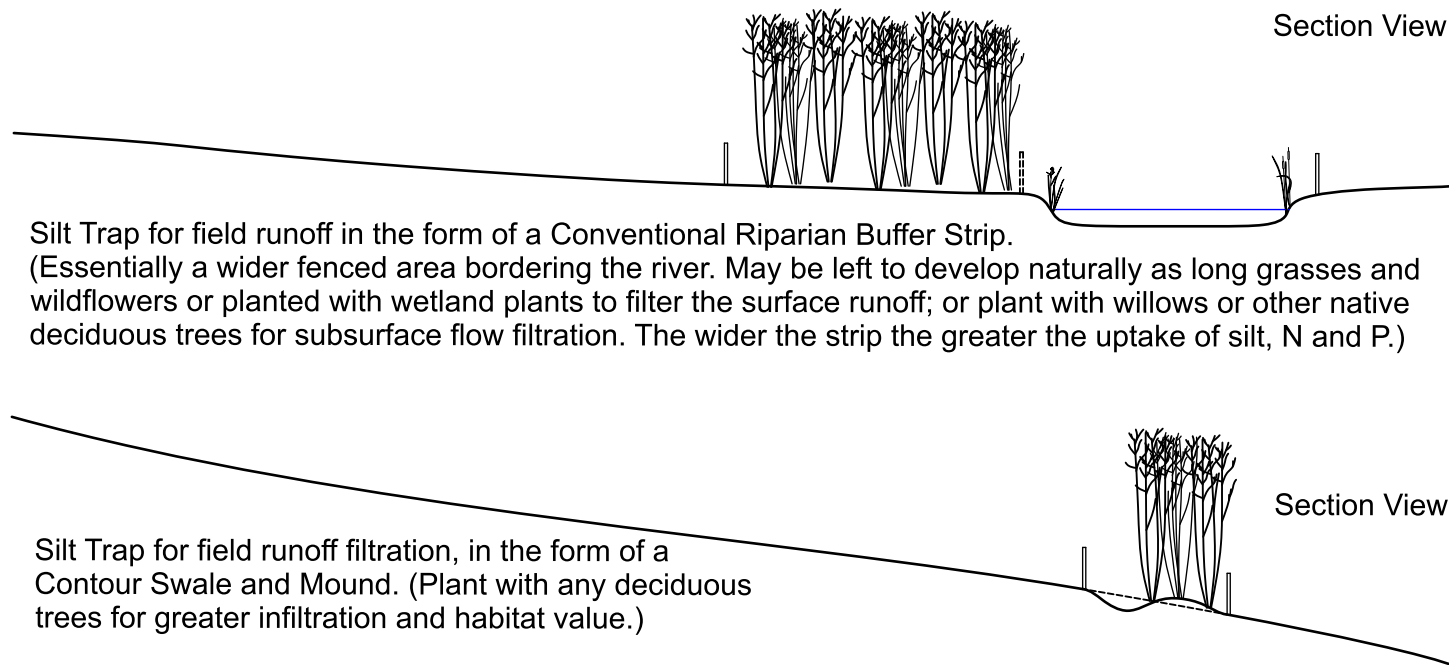


In-Channel Filter Buffers for silt settlement in farm drains (Planted Drains)



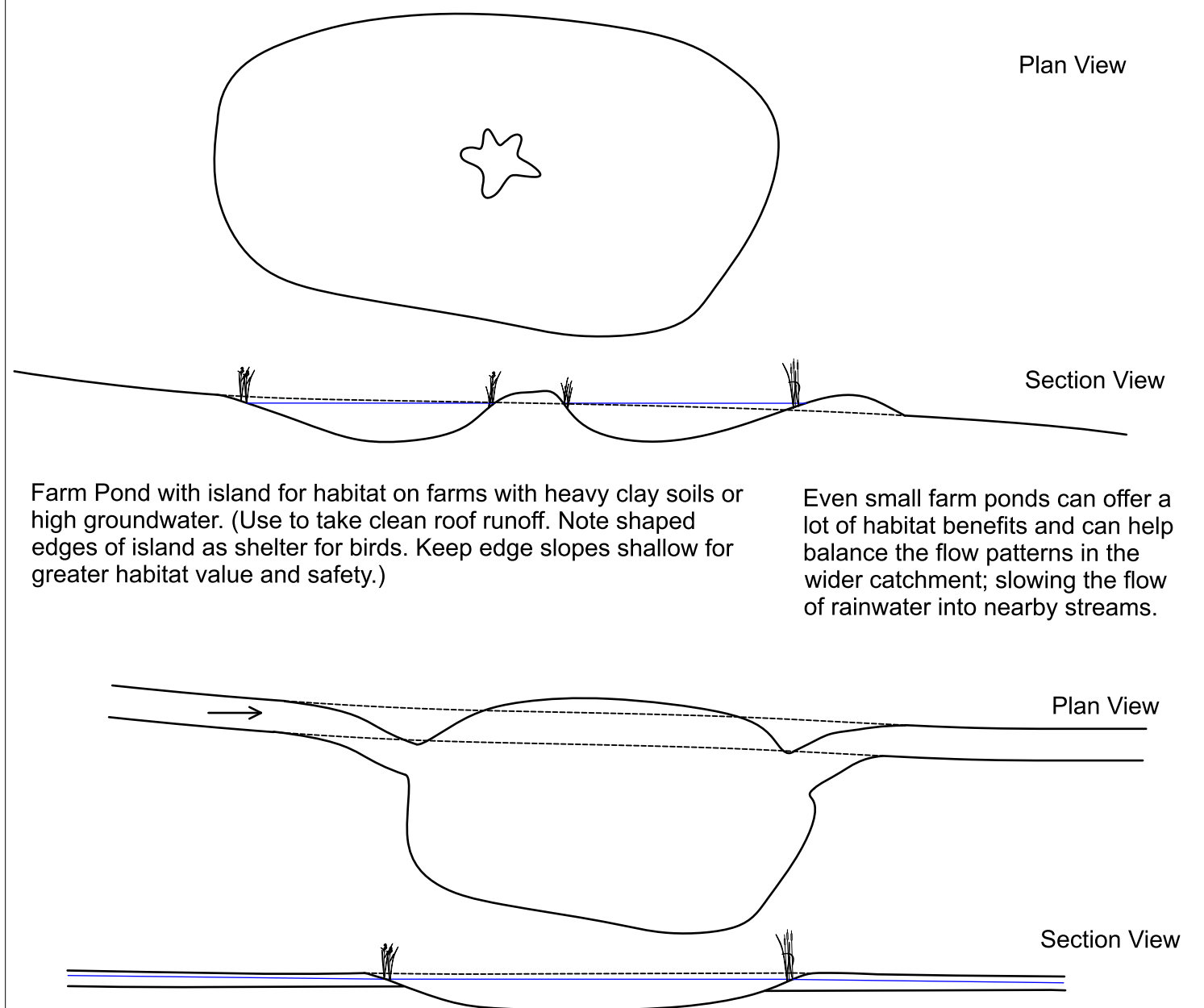
Silt Traps for field runoff



Other methods for reducing field runoff

Note that these are just two methods for reducing runoff of silt and nutrients from fields. Other methods include, for example, contour hedgerows, establishment of woodlands in sloping ground, silvopasture, agroforestry, holistic planned grazing, maintaining a continuous cover of plants on the soil, permanent pasture, soil building through applications of humus rich compost, limiting artificial nutrient and chemical additions to maintain and support soil health, encouragement of mycorrhizal fungi within the soil and a suite of other methods for optimising soil health, and thus both free drainage and moisture retention.

Farm Ponds



In-Chanel Farm Ponds can be used in farm drains for habitat enhancement or for additional silt trap function and/or nutrient capture.

(Suitable for farms with poor draining soils. The larger the pond the greater the uptake of silt, N and P. Plant with wetland plants for greater filtration. Make edges not steeper than 1:3 for habitat value and safety.)

For using farm ponds as a source of irrigation water; remember the 3 Cs of rainwater harvesting:

- 1 - Catchment (source of water, be that a clean roof or fields),
- 2 - Conveyance (good gutters or planted drains that deliver the water),
- 3 - Container (storage, in this case the pond itself).

The cleaner and more robust these are, the more useful and reliable will be your water supply from rain harvested water.

Even without using water on the farm, ponds are excellent for habitat value and for nutrient capture from farm runoff.

FH Wetland Systems Ltd.

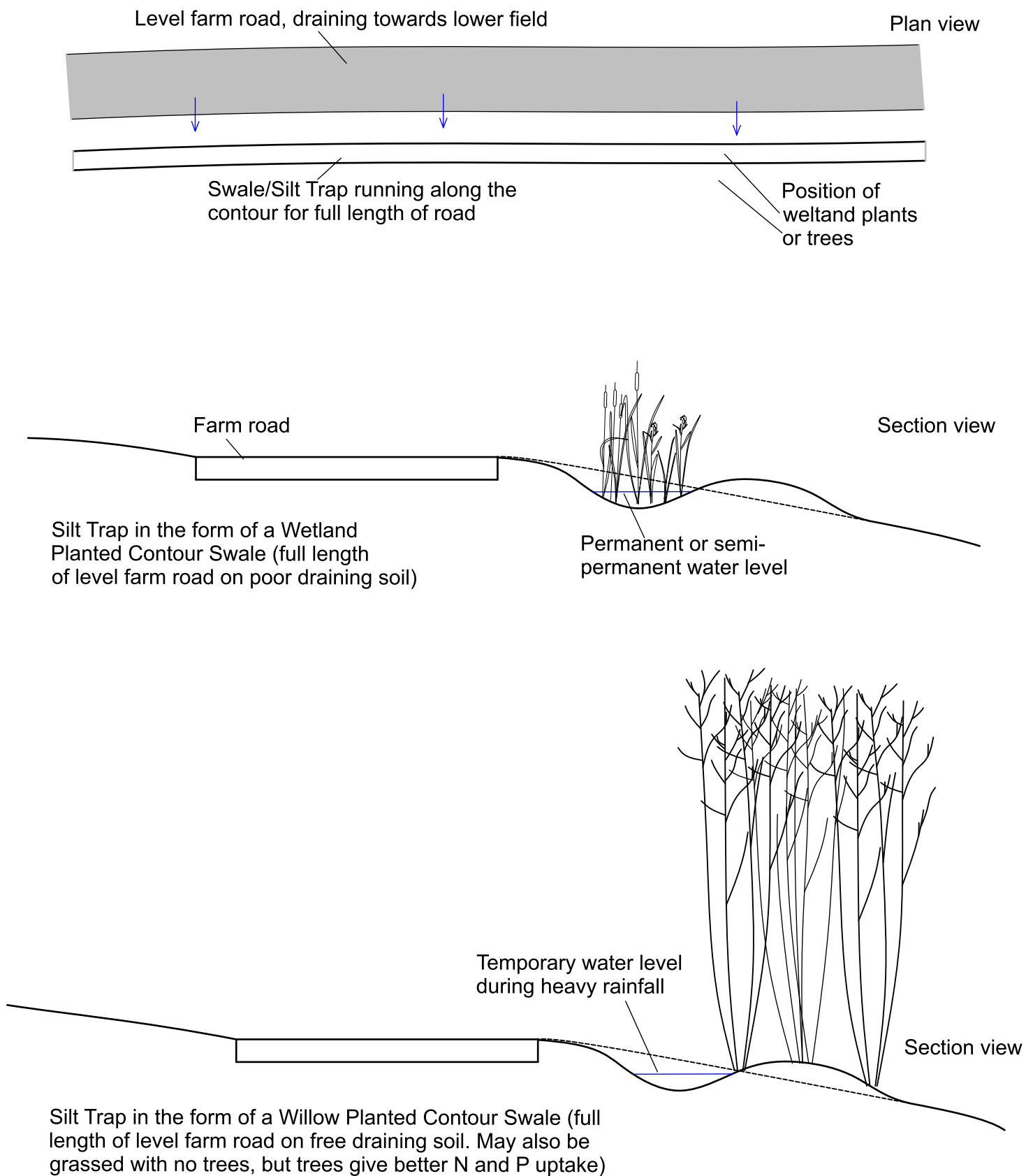
Knocknaskeagh, Lahinch, Co. Clare

www.wetlandsystems.ie

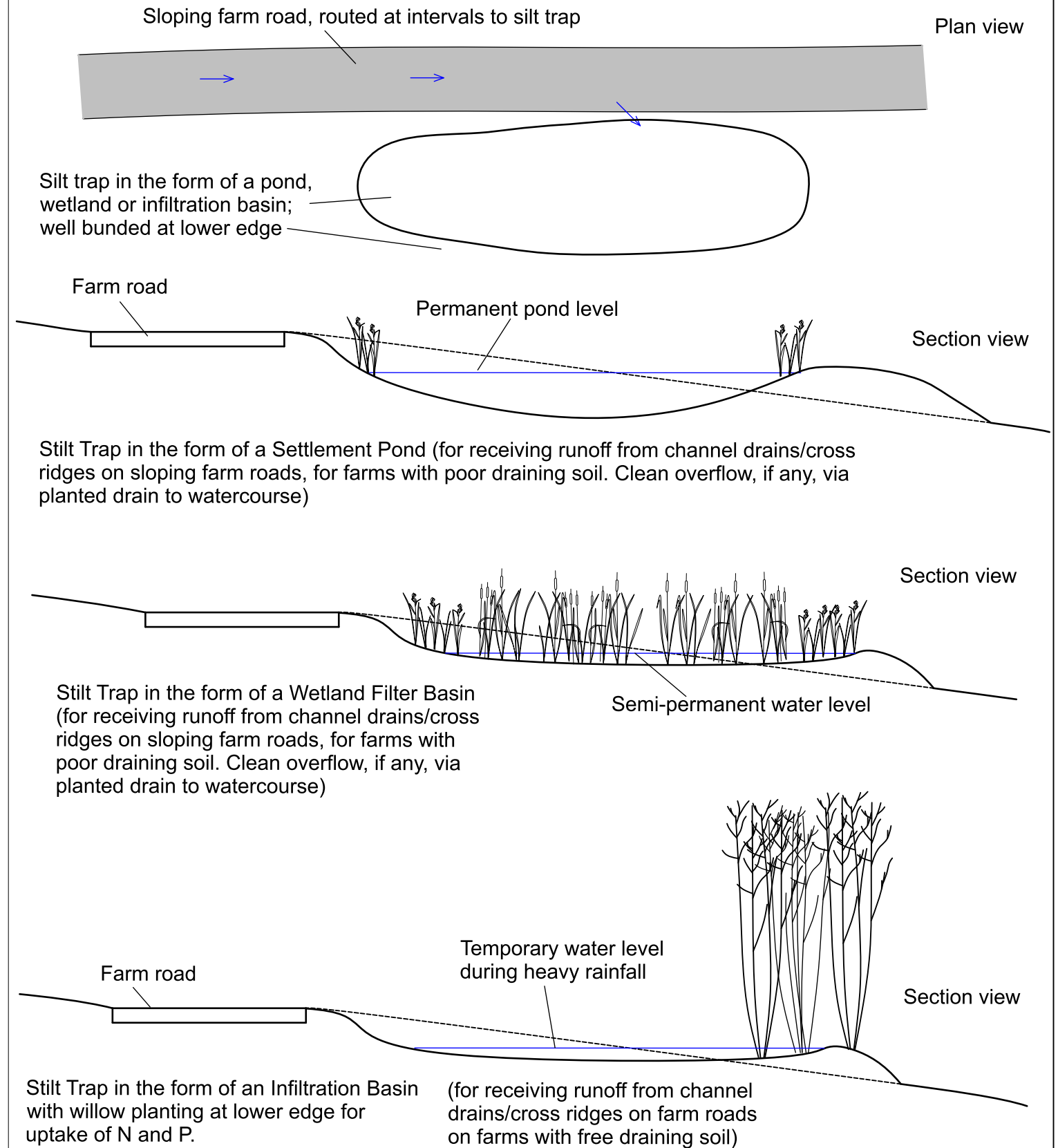
Tel. 065-7075631

e-mail: reeds@wetlandsystems.ie

Silt Trap in the form of Contour Swales for runoff from level roads



Silt Trap in the form of Settlement Basins/Ponds for runoff from Cross Ridges / Channel Drains from sloping roads



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