

List of Key Design Elements and Key Requirements

1. Trench Excavation (incl. carpark improvement work, lamp post installation, term contract for cable and water pipe laying/repair work, covered linkway, trial hole/trench, lift upgrading, substation, other A&A (footing works))

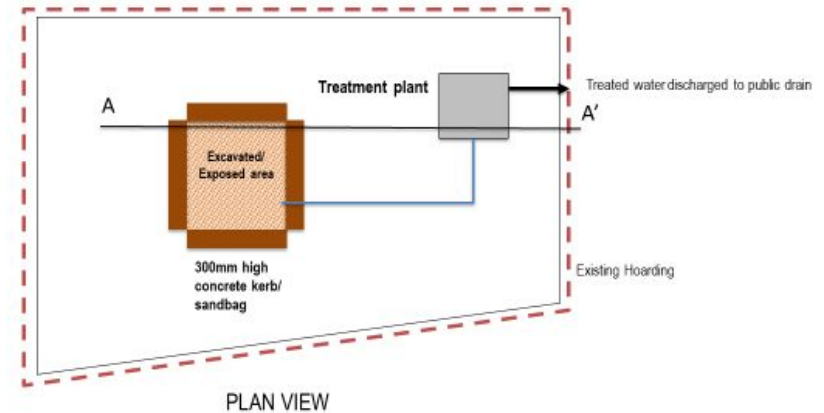
Key Design Elements

- a. Sandbags around excavated/pond area no higher than 300mm
- b. Treatment system
- c. Discharge point

Key Requirements

- a. Discharged water should not contain TSS in concentrations greater than prescribed limits under Sewerage and Drainage (Surface Water Drainage) Regulations 4(1)
- b. ECM should be designed to cope with at least a storm of return period of 5 years (80mm/hr rainfall intensity)
- c. All other relevant requirements in COP (SWD)

A. Excavation of Trench of a Small Area



Hoarding

2. Private landed residential (without basement)

Key Design Elements

- a. Hoarding with sealed bottom
- b. Perimeter cut-off drain
- c. Perimeter silt fence
- d. Intermediate silt trap
- e. Holding pond
- f. Treatment system
- g. Discharge point

Key Requirements

- a. Discharged water should not contain TSS in concentrations greater than prescribed limits under Sewerage and Drainage (Surface Water Drainage) Regulations 4(1)
- b. ECM should be designed to cope with at least a storm of return period of 5 years
- c. All other relevant requirements in COP

3. Linear works (incl. drainage/subsoil drainage works (road-side drains only, not including major canals and outlet drains))

Key Design Elements

- a. Treatment system
- b. Sandbag at upstream and downstream invert level of the excavated area, no higher than 300mm
- c. Perimeter cut-off drain
- d. Perimeter silt fence
- e. Diversion pipe/pump to divert clean water from upstream to downstream
- f. Discharge point

Key Requirements

- a. Discharged water should not contain TSS in concentrations greater than prescribed limits under Sewerage and Drainage (Surface Water Drainage) Regulations 4(1)
- b. ECM should be designed to cope with at least a storm of return period of 5 years
- c. All other relevant requirements in COP

4. Road-widening

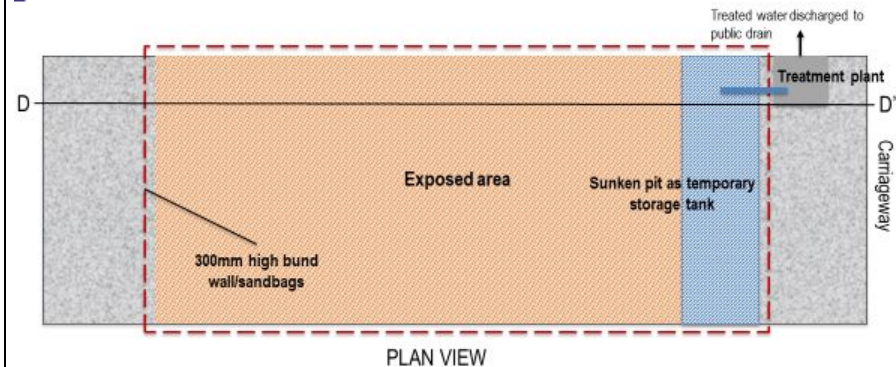
Key Design Elements

- a. Treatment system
- b. (Sandbag at upstream and downstream invert level of the excavated area, no higher than 300mm) for roadside drain construction work
- c. Sandbags around excavated area no higher than 300mm
- d. Discharge point

Key Requirements

- a. Discharged water should not contain TSS in concentrations greater than prescribed limits under Sewerage and Drainage (Surface Water Drainage) Regulations 4(1)
- b. ECM should be designed to cope with at least a storm of return period of 5 years
- c. All other relevant requirements in COP

D: Road widening



5. Slope stabilising works

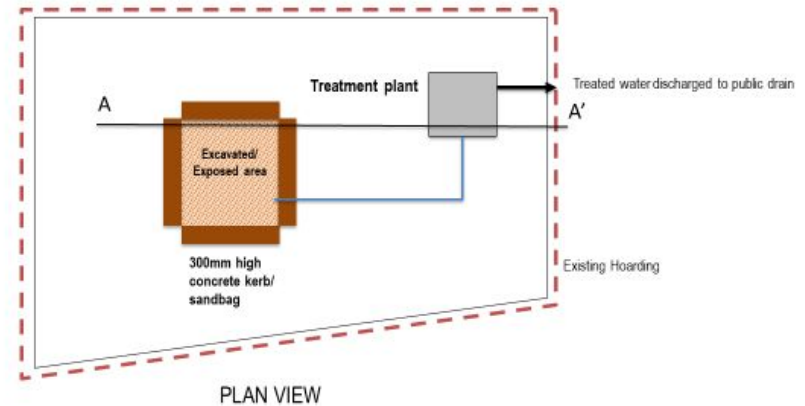
Key Design Elements

- Treatment system
- Sandbag around excavated/pond area no higher than 300mm
- Holding pond within excavated area
- Discharge point

Key Requirements

- Discharged water should not contain TSS in concentrations greater than prescribed limits under Sewerage and Drainage (Surface Water Drainage) Regulations 4(1)
- ECM should be designed to cope with at least a storm of return period of 5 years
- All other relevant requirements in COP

E: Slope Stabilising



E: Slope Stabilising

