

Above Ground OSD Summary with calculated valuesSite:

Site Area	149860 m ²
Site Area NOT Draining to OSD	0 m ²

Reduced Levels (AHD):

RL of Top of Tank	39.25
RL of Bottom of OSD Tank	38.2
RL of 1.5 Year ARI Overflow Weir	38.695
RL of Emergency Overflow Weir	38.95
RL of 1.5 Year ARI Orifice Centerline	37.446
RL of 100 Year ARI Orifice Centreline	37.598
RL of Invert of Discharge to Council Drainage Pit	37.15
RL of obvert of Pit outlet pipe	37.68
Minium RL of Garage Floor	39.34
Minium RL of House Floor	39.44

OSD Volume:

Required Storage BELOW 1.5 Year ARI Overflow Weir	4684.6 m ³
Required Storage BELOW Emergency Overflow Weir	7105.0 m ³

Discharge Details:

Using Filter Cartridges to Manage Water Quality	No
Discharge Location	Council Drainage Pit
Length of Emergency Overflow Weir	22.00 m
Maximum 1.5 Year ARI Site Discharge	599.44 L/s
1.5 Year ARI Orifice Discharge	599.44 L/s
Maximum 100 Year ARI Site Discharge	2847.34
100 Year ARI Orifice Discharge	2847.34 L/s

Orifice Details:

Number of 1.5 Year ARI Orifices	2
Number of 100 Year ARI Orifices	2
1.5 Year ARI Orifice Size (mm)	355.5 mm
100 Year ARI Orifice Size (mm)	759.5 mm

Notifications:

Due to the Outlet Orifice being drowned by 14% during 100 ARI event an extra 4.2% of Storage volume has been added.