

**Above Ground OSD Summary with calculated values**Site:

Site Area	44350 m <sup>2</sup>
Site Area NOT Draining to OSD	0 m <sup>2</sup>

Reduced Levels (AHD):

RL of Top of Tank	40.25
RL of Bottom of OSD Tank	39.2
RL of 1.5 Year ARI Overflow Weir	39.795
RL of Emergency Overflow Weir	40.105
RL of 1.5 Year ARI Orifice Centerline	38.434
RL of 100 Year ARI Orifice Centreline	38.529
RL of Invert of Discharge to Council Drainage Pit	38.17
RL of obvert of Pit outlet pipe	39.05
Minium RL of Garage Floor	40.34
Minium RL of House Floor	40.44

OSD Volume:

Required Storage BELOW 1.5 Year ARI Overflow Weir	2122.1 m <sup>3</sup>
Required Storage BELOW Emergency Overflow Weir	3218.6 m <sup>3</sup>

Discharge Details:

Using Filter Cartridges to Manage Water Quality	No
Discharge Location	Council Drainage Pit
Length of Emergency Overflow Weir	20.00 m
Maximum 1.5 Year ARI Site Discharge	177.40 L/s
1.5 Year ARI Orifice Discharge	177.40 L/s
Maximum 100 Year ARI Site Discharge	842.65
100 Year ARI Orifice Discharge	842.65 L/s

Orifice Details:

Number of 1.5 Year ARI Orifices	1
Number of 100 Year ARI Orifices	1
1.5 Year ARI Orifice Size (mm)	267.5 mm
100 Year ARI Orifice Size (mm)	562.5 mm

Notifications:

Due to the Outlet Orifice being drowned by 39% during 100 ARI event an extra 59.5% of Storage volume has been added.