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Flow Control Manhole and Penstock Valve
18.58/s restricted discharge

Proposed penstock valve to be installed to stop flows entering downstream outlet during fire events. Control panel to be situated adjacent to chamber for access.

Firewater to be stored within the basins and gravel subbase during fire event. In case of fire, contaminated water will be prevented for discharging to the watercourse and will be pumped out of the attenuation features.

Indicative Attenuation Basin 3
1.5m deep including 300mm freeboard allowance
1 in 3 banks
Top of Bank = 211.05
Bed Level = 209.55
Storage Volume = 359.95m³
Basin to provide additional storage if required.

Surface water outfall to watercourse. Survey required to confirm connection point and levels.

Proposed Petrol Interceptor

Attenuation Basin 2
1.5m deep including 300mm freeboard allowance
1 in 3 banks
Top of Bank = 212.70
Bed Level = 211.20
Storage Volume = 1465.67m³

Gravel Subbase (Southern Catchment)
0.3m deep gravel subbase under BESS Compound
30% Porosity
Surface Area = 20,557m²
Storage Volume = 1,850m³

Gravel Subbase (Northern Catchment)
0.3m deep gravel subbase under BESS Compound
30% Porosity
Surface Area = 1,917m²
Storage Volume = 172.53m³

Flow Control Manhole
1.55/s restriction

Overflow