Sustainable drainage plan

Surface water treatment

Drawing No: 51

July 2026

[redacted]

0 5 10 15 20 25 30

Scale 1:200

N

36 no. 20 ft container

3 no. 40 ft container
40 ft container for owner site operation use

Security and toilet block
Cabin 2.5m widex40ft long
2.4m high

4 m and 2.4 m high solid brick walls along the north and east side of the site boundary , this will stop surface water entering the site

Proposed Site 2000 sqm

Whitworth Street

12,000.0

48,000.0

110,000.0

Boundary line

4 m high brick wall

15,000.0

Factory building

MH

Security guard

TOILET & PANTRY

Portable building

TOILET & PANTRY discharged to the existing manhole sewage system

Entrance sliding gate

Disabled Parking

Customers parking

1

16

17

36

Existing Flow Path

Permeable paving area
for infiltration of surface water

13,366.9

Surface drainage channel

29,000.0

Shallow soakaway crates
act as attenuation storage

shrubs

Boundary line

Clayton Lane South

2.4 m high brick wall

Trial Pit A

rainwater run off from the containers roof into permeable paving,then convey any excess via Geocellular soakaways solution(Plastic soakaway crates), high-capacity subsurface storage.

Soakaway
field area
approx. 3700 sqm

Shallow soakaway crates
act as attenuation storage

The field adjoining the site will be used as a soakaway for the surface water

palisade fencing

82,000.0

Openshaw college
adjoining green field site