N

Coach Park

2No Existing Disabled Caravan/Campervan Spaces

New Surface Water pipes oversized. Alternative option for surface water attenuation tank in soft landscaping

DELIVERIES

Existing manhole cover and frame upgraded to D400 class

150mmØ New Foul Water pipe to connect to existing FW manhole

Showers & Driver Lounge / Facilities 192m²

Coach entrance

Unit R5

Office

Office

Plant

Chiller

Plantroom

Gents

Ladies

Changing

Changing

Office

Existing manhole cover and frame upgraded to D400 class

McDo halds Seating Area: 120m² Cover: App rox. 85

Existing Building

Folkestone Service Area

EXISTING AMENITY BUILDING

Existing Taco Bell 76m²

Existing Subway / Chopstix 106 m²

Existing KFC 136m²

Entrance

Ex Manhole CL 74.450

SW PPIC Manhole 5 CL: 75.540 IL: 73.350

225mmØ @ 1:100

Ex Manhole CL: 75.540

Ex Manhole CL: 75.390 IL: 74.310

Ex Manhole CL 75.430

Proposed Channel drain 150wd x 150dp Min. @ drive thru entrance

Existing Gully

DRIVE THRU ENTRY

DRIVE THRU EXIT

Proposed Channel drain 150wd x 150dp Min. @ drive thru exit

Ex Manhole CL: 75.270 IL: 73.860

- S2
CL 75.267
IL 73.876
Flow control chamber.
Hydrobrake to discharge 2.00 l/s
Design head = 1.4m
CTL-SHE-0062-2000-1400-2000

L10m,225Ø,1:200

1.000

Oil interceptor for car parking areas only.
To manufacturer's design.

Area C =2667.3 m²

L52.0m,225Ø,1:200

1.000

S1
CL 75.370
IL 74.136
600mmØ

Cellular attenuation tank
Designed for 1:100+40% climate change
Total required volume = 205.00m³
Tank dimensions = 27m x10m x 0.8m depth
Voids ratio 95%
IL 73.676
Design and minimum cover as per manufacturer.
Flotation calculation to be provided by the manufacture.

- S4
CL 75.430
IL 74.027
Flow control chamber.
Hydrobrake to discharge 2.00 l/s
Design head = 1.4m
CTL-SHE-0062-2000-1400-2000

Oil interceptor for car parking areas only.
To manufacturer's design.

Area D = 1606.4 m²

L61.0m,225Ø,1:200

2.000

S3
CL 75.450
IL 74.333
1200mmØ

Cellular attenuation tank
Designed for 1:100+40% climate change
Total required volume = 91.00m³
Tank dimensions = 12m x10m x 0.8m depth
Voids ratio 95%
IL 74.027
Design and minimum cover as per manufacturer.
Flotation calculation to be provided by the manufacture.

Ex Manhole CL: 75.270 IL: 74.210

Ex GL 75.510

Ex GL 75.600

Ex GL 75.740

Ex GL 76.140

SW PPIC Manhole 4 CL: 75.920 IL: 74.820

SW PPIC Manhole 3 CL: 75.280 IL: 74.240

New soft landscaping

Existing manhole cover and frame upgraded to D400 class

DELIVERIES

VANS

0 6m 12m 18m 24m 30m

10mm = 3m (1:300 @ A1)

Notes:

1. Do not scale from this drawing.
2. All dimensions are in meters unless otherwise stated.
3. This drawing to be read in conjunction with all other relevant drawings and documents.
4. All drainage to be constructed to SSG Design and Construction Guidance, current British standards and building regulations and other relevant standards.
5. Exact locations of rain water downpipes and other internal drainage down pipes to be confirmed by architect / M&E engineer. Rain water pipe connections to have rodding access, sump and grated cover.
6. Contractor to confirm locations of existing services prior to commencement on site and to arrange for any necessary diversions, lowering or protection works as required.
7. All specialist drainage components such as attenuation tanks and flow control to be designed and installed as per manufacturers requirements.
8. Cover levels to be confirmed by landscape architect. Cover levels and invert levels are in meters unless otherwise stated. If cover levels change from assumed then drainage design should be re-assessed, especially in regards to extreme events.
9. Private surface water pipes to be 100Ø with minimum fall of 1:100 unless otherwise stated.
10. Minimum cover to thermoplastic pipes in garden or patio areas 0.6m, in driveway 0.9m, in road 1.2m, otherwise concrete protection will be required.
11. Access chamber cover class A15 for garden and patio, B125 for driveway, C250 for lightly trafficked roads or small private carparks.
12. As the site has previously been developed an existing suitable discharge point may already be present on the site. A survey of existing drainage should be undertaken to confirm.
13. Design is for planning purposes only and not for construction. Design should be confirmed prior to construction to ensure all available information is considered and any assumed information should be verified.
14. Design should be reviewed in light of any additional information or on validation or otherwise of any assumptions.

Key:

- Attenuation tank
- RWP — Rainwater pipe
- Surface water drain
- Surface manhole with:
  - S1 / CL 48.352 / IL 47.302 — Reference number, Cover level, Invert level
- CP — Catchpit chamber
- Flow control at manhole
- Oil interceptor
- Exceedance flow routes

Rev	Date	Detail	Drwn	Chkd
P01	12.09.24	Initial issue	WW	DS

Client: Baxter Glaysher Consulting Ltd

Project: Folkestone Services Carpark

Drawing Title: Detailed Surface Water Drainage Layout

GeoSmart Information
Suite 9-11, 1st Floor, Old Bank Buildings, Bellstone, Shrewsbury, SY1 1HU

Drawn by:	Checked by:	Date:
WW	DS	Sept 2024

Scale:	Status:
1:300 @ A1	Preliminary

Drawing No:	Issue:
81973-500-002	P01