DO NOT SCALE

NORTH

1m x 1m Permeable gabion berm to be constructed across SUDS basin providing treatment to flows

SUDS BASIN 1:
Base area = 600 sq.m.
Base = 86.000
WL = 86.196
WL Q30 = 86.602
WL Q100 = 86.854
WL Q100 = 87.379
(+50% CC)
Side Slopes = 1 in 4

S126 2.1 Dia
Hydrobrake Optimum
SHE-0134-1000-1800-1000
Flow Regulator
Restricted to 10.0 l/s @
1.80m design head

Cellular Crate 3 (S303)
Crate Base = 86.850
Area = 35sq.m
Storage Volume = 28cu.m.
Crate Depth = 800mm (2 row)

S304 1.8 Dia
Hydrobrake Optimum
SHE-0094-5000-1800-5000
Flow Regulator
Restricted to 5.0 l/s @
1.80m design head

Line of watercourse to be investigated. Diversion subject to LLFA approval.

Discharge to existing SW sewer, subject to LLFA approval.

Potential to take some plots into existing FW sewer at front of site depending on depth of sewer. Client to advise.

SUDS BASIN 3:
Base area = 62 sq.m.
Base = 85.845
WL = 86.133
WL Q30 = 86.650
WL Q100 = 86.964
WL Q100 = 87.532
(+50% CC)
Side Slopes = 1 in 3

S213 1.5 Dia
Hydrobrake Optimum
SHE-0098-5000-1500-5000
Flow Regulator
Restricted to 5.0 l/s @
1.50m design head

S207 2.4 Dia
Hydrobrake Optimum
SHE-0094-5000-1800-5000
Flow Regulator
Restricted to 5.0 l/s @
1.80m design head

Cellular Crate 2 (S207)
Crate Base = 85.865
Area = 120sq.m
Storage Volume = 144cu.m.
Crate Depth = 1200mm (3 row)

Discharge to existing watercourse, subject to LLFA approval.

S143 2.1 Dia
Hydrobrake Optimum
SHE-0134-1000-1800-1000
Flow Regulator
Restricted to 10.0 l/s @
1.80m design head

SUDS BASIN 2:
Base area = 554 sq.m.
Base = 78.900
WL = 79.112
WL Q30 = 79.510
WL Q100 = 79.738
WL Q100 = 80.275
(+50% CC)
Side Slopes = 1 in 3
Infiltration rate = 0.243 m/hr

Cellular Crate 1 (S144)
Crate Base = 78.610
Area = 25sq.m
Storage Volume = 20cu.m.
Crate Depth = 800mm (2 row)

S146 2.4 Dia
Hydrobrake Optimum
SHE-0182-2000-2100-2000
Flow Regulator
Restricted to 20.0 l/s @
2.10m design head

Discharge to existing SW sewer diversion, subject to LLFA approval.

Notes

1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
2. All adoptable drainage shall be constructed in accordance with 'Sewers for Adoption' 7th Edition, Welsh Ministers Standards and Welsh Water Details and Guidelines.
3. The minimum gravity pipe diameter under adoptable highways shall be 150mm
4. It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
8. All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
9. All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
10. Where structured wall UPVC pipes (or similar approved) are used in adoptable drainage they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption.
A Class S Bed and Surround must be used for structured wall pipes
10. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
12. Slab levels shall not be varied without reference to the Engineer for guidance.
13. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
14. All manhole covers and frames shall comply with BS EN124. All adoptable manholes and chambers shall comply with Sewers for Adoption 7th Edition. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12. "In-fill" type covers should not be used. Where a cover is located in an area of block paving, the bottom of the frame should be 150mm deep.

SHEET 2

SHEET 1

KEY PLAN

Legend

Site Boundary

Existing
- Existing Foul Drain
- Existing Surface Water Sewer
- Existing Combined Sewer

Proposed
- Adoptable Surface Water Sewer
- Adoptable Foul Sewer
- 600 W Brick Retaining Wall
- 450 FOE Flag Retaining Wall
- 150 UB Underbuild
- FFL 18.65 Plot Slab Level
- FC Flow Control Manhole
- Sewer Easement
- +0.95 -0.95 Depth of fill (Existing level to proposed)
- Cellular Attenuation Tank
- Sewer To Be Abandoned
- SUDS Basin
- Rising Main

SCALEBAR (m) 0 5 10 15 20 25 30 35 40 45 50

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STRATEGY

Rev.	Date	Revision	By	Appd.
A	07.03.24	Watercourse notes updated	PW	AJ

coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client: Castle Green

Project: GREEN LANE, EWOLE.

Title: Drainage Strategy Sheet 1 of 2

DRAWING NUMBER	SCALE at A0	1:500	
8352 / SK01-1	DATE	27.02.24	REVISION
	DRAWN	PW	A
	CHECKED	AJ	