

SURVEY STATIONS			
Name	Easting	Northing	Height
STW1	341195.115	398911.812	25.880
STW2	341195.487	398906.601	26.100
STW3	341174.933	398905.034	24.736

PROPOSED PETROL INTERCEPTOR
FULL RETENTION OIL SEPARATOR WITH VENT AND ALARM CAPABLE OF
DRAINAGE 0.4HA OF SERVICE YARD. SILT RETENTION REQUIRED
UPSTREAM OR SEPARATOR.

KEY:

- SURFACE WATER SEWER
- FLOW CONTROL CHAMBER
- ADAPTABLE FOUL WATER SEWER
- DIVERTED WATER SEWER
- PROPOSED GULLY RATED TO D400
- INTERNAL DRAIN 1100
- ESS 'HEAVY DUTY' PLUVIAL CUBE STORAGE (OR SIMILAR APPROVED)
- SITE BOUNDARY
- 150mm THICK CONCRETE SLAB PROTECTION FOR SEWERS WITH LESS THAN 1.2m COVER

Manhole Co-ords

- S1 - X = 341219.079 Y = 398941.939
S2 - X = 341196.575 Y = 398942.547
S3 - X = 341169.229 Y = 398933.372
S4 - X = 341163.466 Y = 398918.478
S5 - X = 341164.180 Y = 398900.560
S6 - X = 341158.292 Y = 398885.258
S7 - X = 341153.854 Y = 398886.965
S8 - X = 341151.990 Y = 398882.119
S9 - X = 341174.237 Y = 398929.908
S10 - X = 341168.786 Y = 398915.704
S11 - X = 341138.719 Y = 398920.100
S12 - X = 341167.817 Y = 398906.977
S13 - X = 341158.903 Y = 398883.604
S14 - X = 341154.450 Y = 398883.564 (Hydrobrake MH)
S15 - X = 341151.579 Y = 398878.254
F1 - X = 341161.022 Y = 398886.604
F2 - X = 341168.220 Y = 398905.310
F3 - X = 341156.845 Y = 398909.687

S1 to S8 Diversion Sewers

S14 21000
HYDROBRAKE
CL:26.200 IL:23.265
DESIGN HEAD: 1.35m
FLOW RATE: 6l/s
Ref: CTL-CHE-0104-6000-1350-6000

ATTENUATION TANK, ESS 'HEAVY DUTY' PLUVIAL CUBE STORAGE (OR
SIMILAR APPROVED)

DEPTH OF TANK: 1m
PLAN AREA: 240m²
INVERT LEVEL: 23.278

TANK TO ACCOMMODATE STORAGE FOR 1 IN 100 YEAR RETURN PERIOD
STORM EVENT WITH A 45% CLIMATE CHANGE ALLOWANCE.

Rev	Date	By	Description
P01	09.07.2026	tlc	CB

SHAPE
ENGINEERING

Liverpool Office Tel 0151 305 0700
www.shapeengineering.co.uk

Client
LIDL
PROJECT
KIRKBY
TITLE
DRAINAGE PLAN

Status	Suitability Description	Structural Stage	Date
CB	PRELIMINARY		09.07.2026

Designed By	Drawn By	Scale	Project No.
CB	CB	A1 @ 1:200	2996
Sheet No.	Revision		
2996-SCE-DL-DR-C-0100	P01		