

Stantec UK Limited
Caversham Bridge House, Waterman Place
Reading
RG1 8DN
Tel. +44 1189 500 761
www.stantec.com/uk

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing.
Any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec.
Reproduction or use for any purpose other than that authorised by Stantec is forbidden.

Notes

UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

GENERAL KEY:

- PHASE 1 BOUNDARY
- PHASE 2 BOUNDARY
- ROOT PROTECTION AREAS
- FLOOD ZONE 1
- FLOOD ZONE 2
- EASEMENT

DRAINAGE KEY

- EXISTING COMBINED SEWER AND MANHOLE
- EXISTING FOUL WATER SEWER AND MANHOLE
- EXISTING SURFACE WATER AND MANHOLE
- PROPOSED PRIVATE FOUL WATER SEWER AND MANHOLE
- PROPOSED SURFACE WATER SEWER AND MANHOLE
- PROPOSED PERMEABLE PAVING PARKING BAYS
- PROPOSED SURFACE WATER DRAINAGE CHANNEL (ACO QMAX 225 OR EQUIVALENT)
- PROPOSED SURFACE WATER GEOCELLULAR STORAGE TANK
- PROPOSED INTERCEPTOR
- PROPOSED HEADWALL
- PROPOSED RAINWATER PIPES
- PROPOSED SOIL VENT CAPPED PIPE
- PROVISIONAL PHASE 2 SURFACE WATER ROUTE

P02 FOR ACCEPTANCE	YB	IG	2024.08.28
P01 FIRST ISSUE	YB	IG	2024.08.21
Issued/Revision	By	Appd	YYYY.MM.DD
	YB	YB	IG
	Dwn.	Dsgn.	Chkd.
			2024.08.21
			YYYY.MM.DD

Issue Status

**S5 - FOR REVIEW
AND ACCEPTANCE**

This document is suitable only for the
purpose noted above.
Use of this document for any other
purpose is not permitted.

Client/Project Logo



Client/Project

ALDI STORES LTD

CABLES WAY

PRESCOT

Title

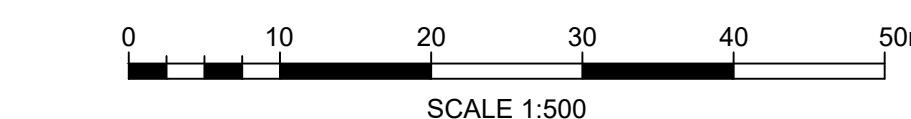
**MIXED USE DEVELOPMENT
PROPOSED DRAINAGE**

Project No.
331810328

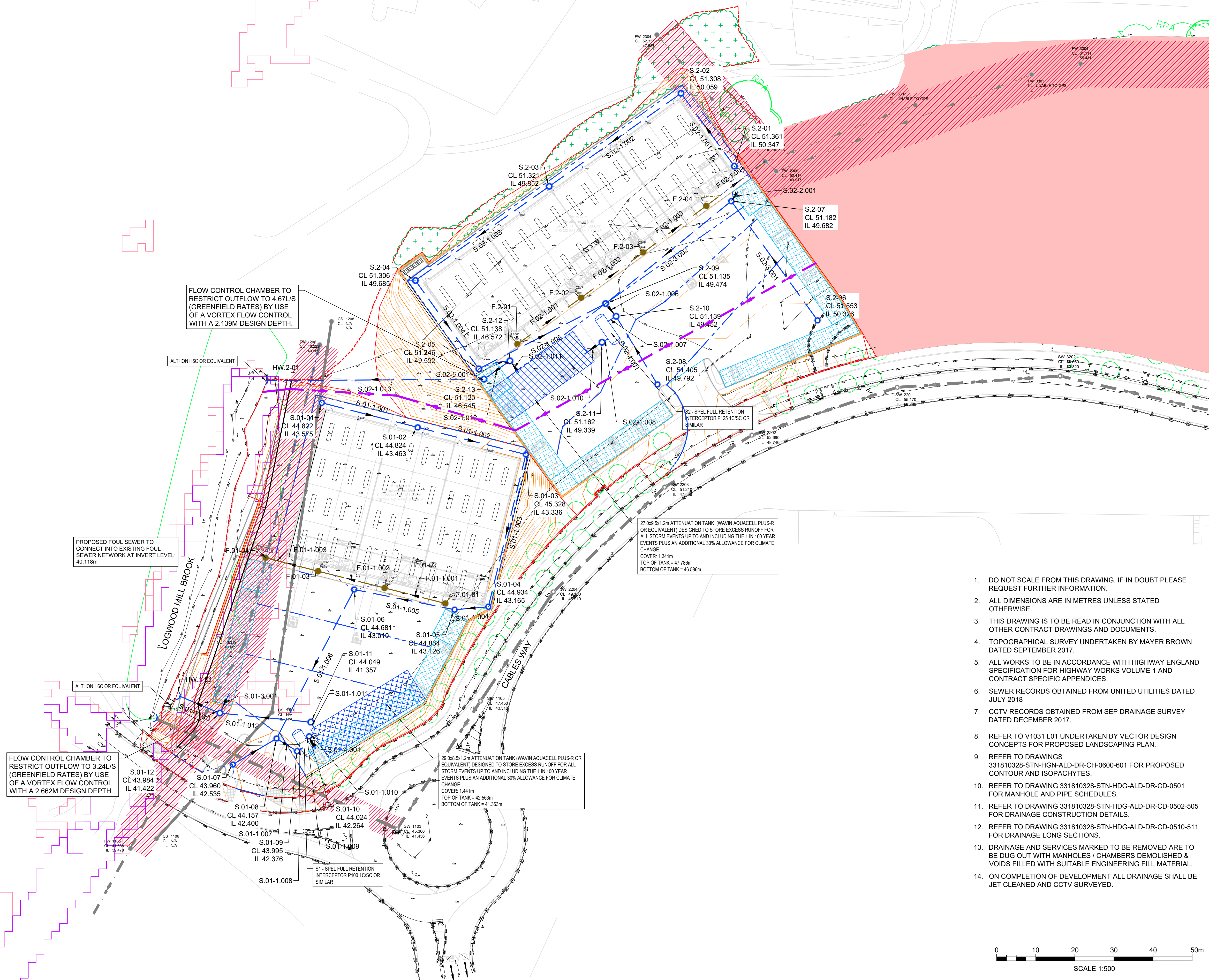
Revision
P02

A1 Scale
1:500

Drawing No.
331810328-STN-HDG-ALD-DR-CH-0500



- DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT PLEASE REQUEST FURTHER INFORMATION.
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND DOCUMENTS.
- TOPOGRAPHICAL SURVEY UNDERTAKEN BY MAYER BROWN DATED SEPTEMBER 2017.
- ALL WORKS TO BE IN ACCORDANCE WITH HIGHWAY ENGLAND SPECIFICATION FOR HIGHWAY WORKS VOLUME 1 AND CONTRACT SPECIFIC APPENDICES.
- SEWER RECORDS OBTAINED FROM UNITED UTILITIES DATED JULY 2018
- CCTV RECORDS OBTAINED FROM SEP DRAINAGE SURVEY DATED DECEMBER 2017.
- REFER TO V1031 L01 UNDERTAKEN BY VECTOR DESIGN CONCEPTS FOR PROPOSED LANDSCAPING PLAN.
- REFER TO DRAWINGS 331810328-STN-HGN-ALD-DR-CH-0600-601 FOR PROPOSED CONTOUR AND ISOPACHYTES.
- REFER TO DRAWING 331810328-STN-HDG-ALD-DR-CD-0501 FOR MANHOLE AND PIPE SCHEDULES.
- REFER TO DRAWING 331810328-STN-HDG-ALD-DR-CD-0502-505 FOR DRAINAGE CONSTRUCTION DETAILS.
- REFER TO DRAWING 331810328-STN-HDG-ALD-DR-CD-0510-511 FOR DRAINAGE LONG SECTIONS.
- DRAINAGE AND SERVICES MARKED TO BE REMOVED ARE TO BE DUG OUT WITH MANHOLES / CHAMBERS DEMOLISHED & VOIDS FILLED WITH SUITABLE ENGINEERING FILL MATERIAL.
- ON COMPLETION OF DEVELOPMENT ALL DRAINAGE SHALL BE JET CLEANED AND CCTV SURVEYED.



FLOW CONTROL CHAMBER TO RESTRICT OUTFLOW TO 4.67L/S (GREENFIELD RATES) BY USE OF A VORTEX FLOW CONTROL WITH A 2.139M DESIGN DEPTH.

PROPOSED FOUL SEWER TO CONNECT INTO EXISTING FOUL SEWER NETWORK AT INVERT LEVEL: 40.118m

FLOW CONTROL CHAMBER TO RESTRICT OUTFLOW TO 3.24L/S (GREENFIELD RATES) BY USE OF A VORTEX FLOW CONTROL WITH A 2.662M DESIGN DEPTH.

27.0x8.5x1.2m ATTENUATION TANK (WAVIN AQUACELL PLUS-R OR EQUIVALENT) DESIGNED TO STORE EXCESS RUNOFF FOR ALL STORM EVENTS UP TO AND INCLUDING THE 1 IN 100 YEAR EVENTS PLUS AN ADDITIONAL 30% ALLOWANCE FOR CLIMATE CHANGE.
COVER: 341m
TOP OF TANK = 47.786m
BOTTOM OF TANK = 46.586m

29.0x8.5x1.2m ATTENUATION TANK (WAVIN AQUACELL PLUS-R OR EQUIVALENT) DESIGNED TO STORE EXCESS RUNOFF FOR ALL STORM EVENTS UP TO AND INCLUDING THE 1 IN 100 YEAR EVENTS PLUS AN ADDITIONAL 30% ALLOWANCE FOR CLIMATE CHANGE.
COVER: 1441m
TOP OF TANK = 42.563m
BOTTOM OF TANK = 41.363m

S1- SPEL FULL RETENTION INTERCEPTOR P100 10CSC OR SIMILAR