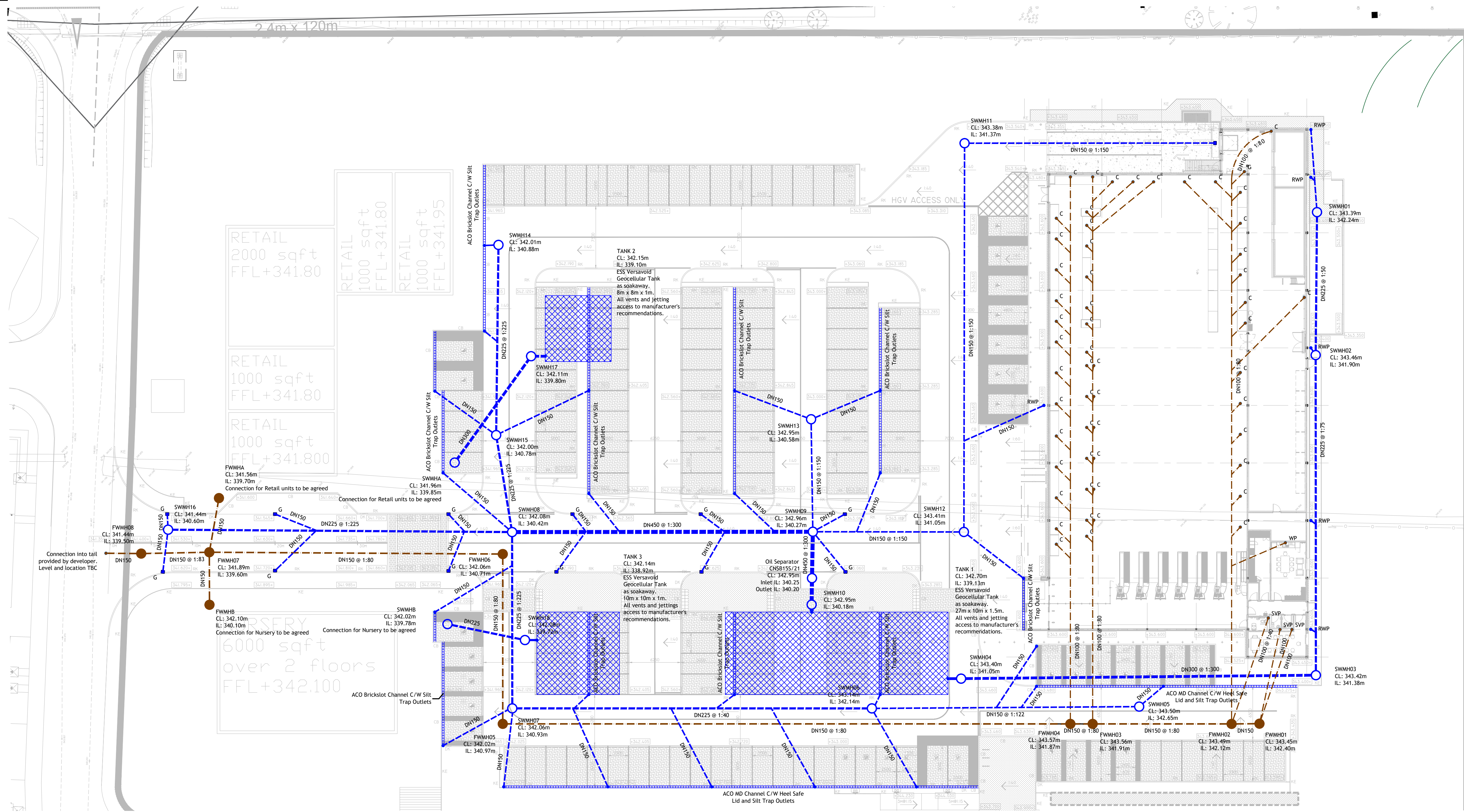




Foul Water Manhole Schedule						
Structure Name	Cover Level (m)	Invert Level (m)	Depth to Invert (m)	Outgoing Pipe Diameter (mm)	Manhole Type	Cover Type
FWMH01	343.452	342.397	1.055	150	SFA7 - Type3 - Circ Flexible (Heavy Loads) (B.16)	D400
FWMH02	343.490	342.118	1.372	150	SFA7 - Type2 - Manhole (B.12)	D400
FWMH03	343.560	341.907	1.653	150	SFA7 - Type2 - Manhole (B.12)	D400
FWMH04	343.565	341.873	1.692	150	SFA7 - Type2 - Manhole (B.12)	D400
FWMH05	342.015	340.970	1.046	150	SFA7 - Type3 - Circ Flexible (Heavy Loads) (B.16)	D400
FWMH06	342.063	340.712	1.351	150	SFA7 - Type2 - Manhole (B.12)	D400
FWMH07	341.891	339.600	2.291	150	SFA7 - Type2 - Manhole (B.12)	D400
FWMH08	341.442	339.500	1.942	150	SFA7 - Type2 - Manhole (B.12)	D400
FWMH0A	341.560	339.700	1.860	150	Connection for Retail units to be agreed	D400
FWMHB	342.100	340.100	2.000	150	Connection for Nursery to be agreed	D400

Surface Water 1 Manhole Schedule							
Structure Name	Cover Level (m)	Invert Level (m)	Depth to Invert (m)	Outgoing Pipe Diameter (mm)	Manhole Type	Chamber Diameter	Cover Type
SWMH01	343.392	342.244	1.148	225	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH02	343.457	341.897	1.560	225	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMH03	343.417	341.380	2.037	300	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH04	343.405	341.054	2.351	300	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH05	343.496	342.648	0.848	150	SFA7 - Type3 - Circ Flexible (Heavy Loads) (B.16)	450	D400
SWMH06	343.138	342.138	1.000	225	SFA7 - Type3 - Circ Flexible (Heavy Loads) (B.16)	450	D400
SWMH07	342.060	340.928	1.132	225	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMH08	342.079	340.418	1.660	450	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH09	342.962	340.272	2.690	450	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH10	342.952	340.175	2.777	450	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH11	343.376	341.369	2.008	150	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMH12	343.407	341.054	2.353	150	SFA7 - Type3 - Circ Flexible (Heavy Loads) (B.16)	450	D400
SWMH13	342.954	340.581	2.373	150	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMH14	342.013	340.881	1.132	225	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMH15	342.004	340.776	1.228	225	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMH16	341.435	340.603	0.832	225	SFA7 - Type3 - Circ Flexible (Heavy Loads) (B.16)	450	D400
SWMH17	342.110	339.800	2.310	300	SFA7 - Type2 - Manhole (B.12)	1350	D400
SWMH18	342.080	339.720	2.360	225	SFA7 - Type2 - Manhole (B.12)	1200	D400
SWMHA	341.965	339.850	2.115	300	Connection for Retail units to be agreed	1350	D400
SWMHB	342.025	339.785	2.240	225	Connection for Nursery to be agreed	1200	D400

GENERAL

- All drawings to be read in conjunction with the specification
- All drawings to be read in conjunction with the relevant architectural and structural drawings.
- All dimensions are in millimetres unless noted otherwise.
- All levels are in metres relative to ordnance datum.
- All dimensions are to be checked on site by the contractor prior to the commencement of construction

DRAINAGE

- This drawing uses the architectural drawing as a background. The contractor should use architectural drawings for setting out of all pop-ups and above ground drainage positions.
- Reference should be made to all other drainage drawings provided by SWF Consulting which gives construction details.
- This drawing is to be read in conjunction with the drainage specification prepared for this project.
- The design of the pipes has been based on the following:
 - 1000 foul water pipe: Wavin Osmadrain
 - 1500 or larger foul water pipe: Wavin Ultrarib
 - 1500 or larger surface water pipe: Wavin Twinwall.Alternative products may be used with prior approval from SWF Consulting.
- The exact location of the outfall pipe/manhole is to be checked and confirmed to SWF Consulting prior to commencement of any drainage works.
- Reference should be made to any CCTV survey, sewer records which indicate the existing drainage systems.
- On completion of the contract, the pipes and oil separator shall be jet cleaned to remove any silt or construction debris and a CCTV survey should be undertaken.
- Once the as-built survey has been completed a copy of the survey logs should be issued to SWF Consulting together with the video footage for their comment with duplicate copies being issued to the CDM co-ordinator for inclusion in the health & safety files.
- Cover levels are indicative and may need to be adjusted to suit the actual finished levels of the external areas.
- Gradients indicated on pipes are minimum gradients required. However, manhole invert levels are to take precedence over these gradients.
- Positions of manholes, gullies and drainage are to be set out by the contractor to avoid white lining delineating car parking areas, kerb lines etc.

ABBREVIATIONS

CL	- COVER LEVEL	FG	- FLOOR GULLY
IL	- INVERT LEVEL	RE	- RODDING EYE
RG	- ROAD GULLY	SVP	- SOIL & VENT PIPE
YG	- YARD GULLY	SS	- STUB STACK
RWP	- RAINWATER PIPE	C	- CONDENSATE

NOTE

The architectural backgrounds are a visual representation of the proposed building layout, but are not necessarily dimensionally accurate and thus may not relate to the location of the structural members

P03	24/03/22	SW DRAINAGE UPDATED	MTB	Role
P02	24/01/22	SITE PLAN UPDATED & CONDENSATES ADDED	MTB	
P01	14/12/21	ISSUED FOR TENDER	MTB	
Rev	Date	Description	By	

Client	ALDI STORES LTD	
Project Title	8999 - ALDI BUXTON	

Project Address	FOXLOW FARM BUXTON
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Drawing Title	DRAINAGE PROPOSED LAYOUT
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Job No.	Originator	Zone	Level	Type	Role
79-E1503	SWF	XX	XX	DR	D

System Classification	Drawing No.	Suitability	Revision
PM_40_40	1102	D1	P03

Drawn	Checked	Date	Scale	Size
MTB	PSS	DEC 2021	250	A1

SUITABLE FOR COSTING

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