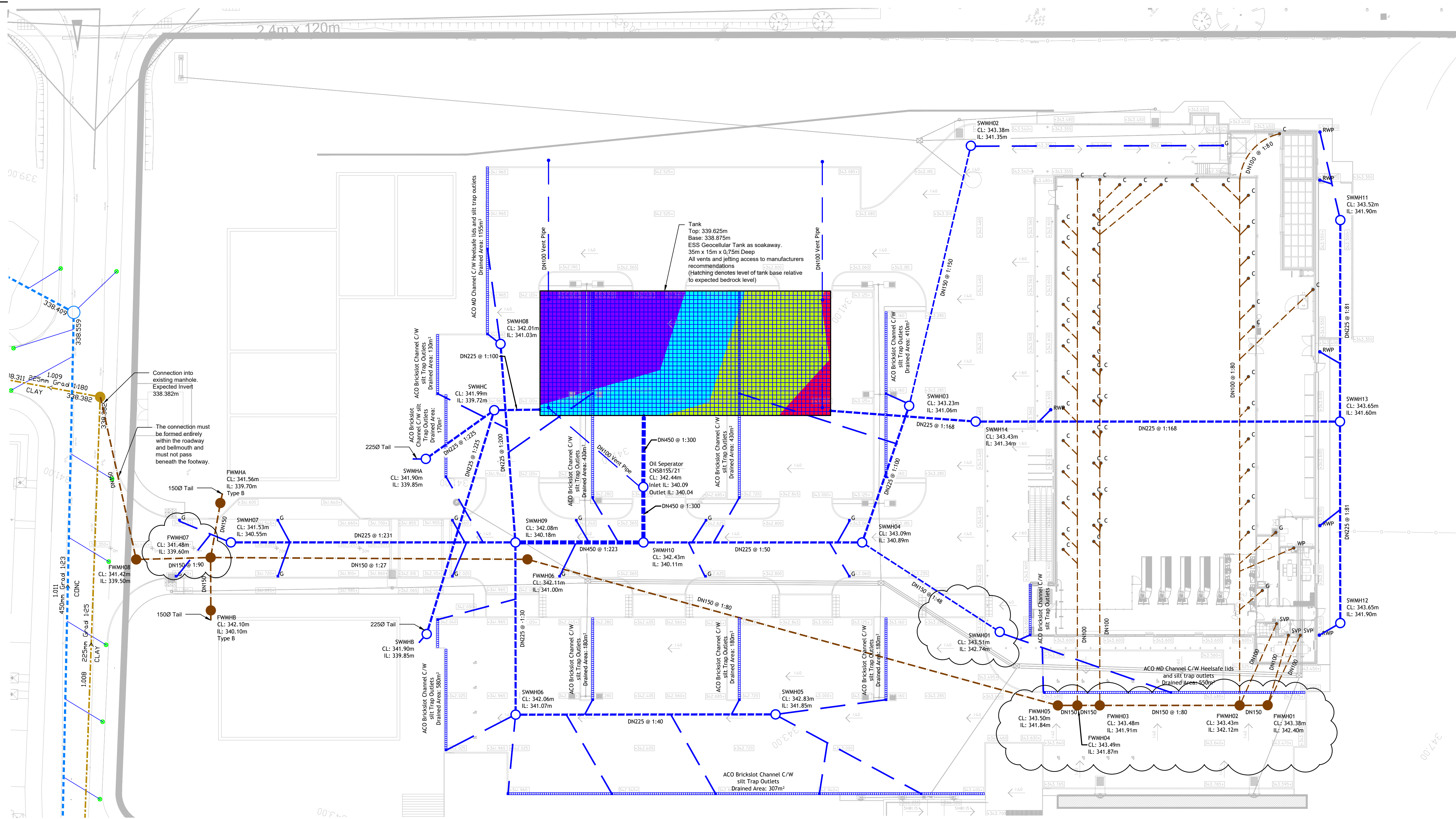




Foul Water Manhole Schedule						
Structure Name	Cover Level (m)	Invert Level (m)	Depth to Invert (m)	Outgoing Pipe Diameter (mm)	Manhole Type	Chamber Diameter
FWMH01	343.378	342.397	0.982	150	PPIC	450
FWMH02	343.425	342.118	1.308	150	Type E	1350
FWMH03	343.485	341.907	1.578	150	Type B	1200
FWMH04	343.490	341.873	1.617	150	Type B	1200
FWMH05	343.495	341.844	1.651	150	PPIC	450
FWMH06	342.112	341.005	1.107	150	Type E	1350
FWMH07	341.478	339.600	1.878	150	Type B	1200
FWMH08	341.419	339.500	1.919	150	Type B	1200
FWMHA	341.560	339.700	1.860	150	Type B	1350
FWMHB	342.100	340.100	2.000	150	Type B	1350

Surface Water 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	343.505	342.739	0.766	150	Type F	1200	D400
SWMH02	343.376	341.350	2.026	150	Type B	1200	D400
SWMH03	343.233	341.060	2.173	225	Type B	1200	D400
SWMH04	343.091	340.886	2.205	225	Type B	1200	D400
SWMH05	342.830	341.850	0.980	225	Type F	1200	D400
SWMH06	342.060	341.067	0.993	225	Type F	1200	D400
SWMH07	341.533	340.551	0.982	225	Type F	1200	D400
SWMH08	342.007	341.025	0.982	225	Type F	1200	D400
SWMH09	342.083	340.178	1.906	450	Type B	1500	D400
SWMH10	342.434	340.109	2.326	450	Type B	1500	D400
SWMH11	343.525	341.900	1.625	225	Type B	1350	B125
SWMH12	343.650	341.900	1.750	225	Type B	1350	B125
SWMH13	343.650	341.600	2.050	225	Type B	1200	B125
SWMH14	343.433	341.338	2.095	225	Type B	1200	D400
SWMHA	341.900	339.850	2.050	225	Type B	1200	B125
SWMHB	341.900	339.850	2.050	225	Type B	1200	B125
SWMHC	341.988	339.725	2.263	225	Type B	1200	D400

Approximate Bedrock Cut/Fill For Tank			
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR
1	-1.17	-0.90	Red
2	-0.90	-0.50	Yellow
3	-0.50	-0.20	Cyan
4	-0.20	0.60	Purple

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

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 file.
- 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

C04	10/11/22	FWMH08 level corrected. Manhole FWMH01-05 moved to reduce extent of rock excavation. SWMH01 moved to reduce rock excavation.	DR
C03	08/11/22	Network redesigned to reduce extent of bedrock excavation	DR
C02	13/10/22	GULLY ADDED FOR CLEANER'S STORE	MTB
C01	23/09/22	ISSUED FOR CONSTRUCTION	MTB
P03.1	13/04/22	WASH DOWN SINK AND FREEZER CONDENSATE MOVED	MTB
P03	24/03/22	SW DRAINAGE UPDATED	MTB
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	

Drawing Title	DRAINAGE PROPOSED LAYOUT				
Job No.	79-E1503	SWF	XX	XX	DR
System Classification	PM_40_40	Drawing No.	1102	Suitability	A1
Revision	C04	Scale	250	Size	A1
Drawn	MTB	Checked	PSS	Date	DEC 2021

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