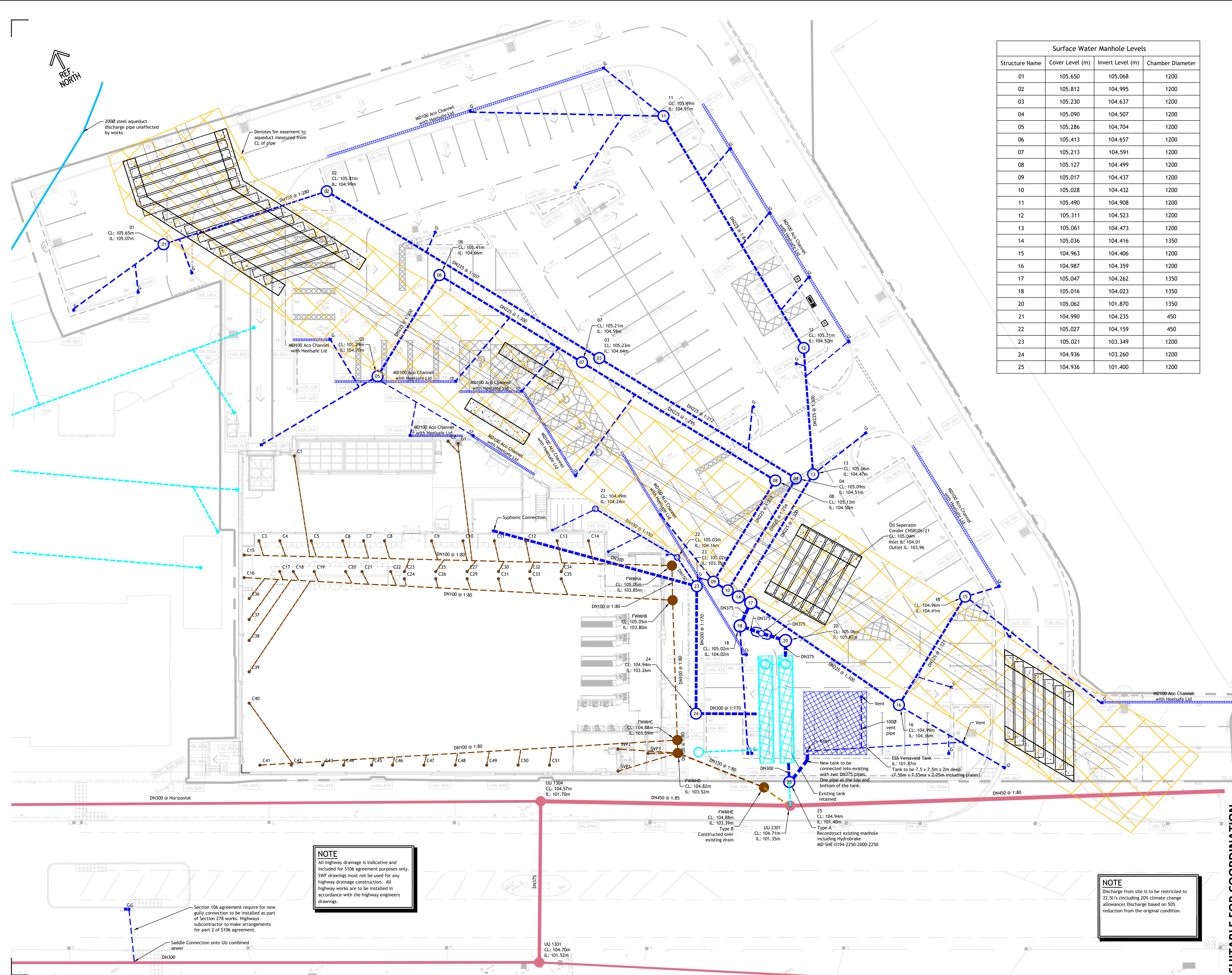




Surface Water Manhole Levels			
Structure Name	Cover Level (m)	Invert Level (m)	Chamber Diameter
01	105.650	105.068	1200
02	105.812	104.995	1200
03	105.230	104.637	1200
04	105.090	104.507	1200
05	105.286	104.704	1200
06	105.413	104.657	1200
07	105.213	104.591	1200
08	105.127	104.499	1200
09	105.017	104.437	1200
10	105.028	104.432	1200
11	105.490	104.908	1200
12	105.311	104.523	1200
13	105.061	104.473	1200
14	105.036	104.416	1350
15	104.963	104.406	1200
16	104.987	104.359	1200
17	105.047	104.262	1350
18	105.016	104.023	1350
20	105.062	101.870	1350
21	104.990	104.235	450
22	105.027	104.159	450
23	105.021	103.349	1200
24	104.936	103.260	1200
25	104.936	101.400	1200

- 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

P05	09.08.23	S1: Highway drainage added for S106 agreement.	DR
P04	18.07.23	D2: MH08,09&16 Moved to accommodate lighting columns.	DR
P03	23.06.23	D2: Issued for Tender	DR
P02	16.06.23	S1: Drainage redesigned to allow minimum 300mm cover over aqueduct following survey findings.	DR
P01	01.07.22	S1: Issued for information	DR
Rev	Date	Description	By

Client
ALDI STORES LTD

Project Title
9104 - ALDI STORE

Project Address
**VICTORIA AVENUE EAST
MOSTON**

Drawing Title DRAINAGE OVERLAND FLOW DETAILS					
Job No.	Originator	Zone	Level	Type	Role
79-E1529	SWF	XX	XX	DR	D
System Classification					
PM_40_40	1102	S1	P05		
Drawn	Checked	Date	Scale	Size	
DR	PSS	JULY 2022	200	A1	

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SUITABLE FOR COORDINATION

NOTE
All highway drainage is indicative and included for S106 agreement purposes only. SWF drawings must not be used for any highway drainage construction. All highway works are to be installed in accordance with the highway engineers drawings.

NOTE
Discharge from site is to be restricted to 22.5l/s (including 20% climate change allowance) Discharge based on 50% reduction from the original condition.