

LAND FOR RESIDENTIAL USE
Site Area Approx. 0.276ha
(OUTLINE APPLICATION - ALL MATTERS RESERVED APART FROM ACCESS)

121 Car Parking Spaces
Retail Site Area 0.791ha
(FULL APPLICATION)

ALDI STORE
1254m² RETAIL AREA
GEA: 1935m²
GIA: 1880m²

OVERALL SITE AREA
1.067ha

BY-PASS SEPARATORS

Ramp and car park drainage to discharge into storm water drainage sewer via a Class I BY-PASS Separator, size and orientation by Klargester Environmental Engineering Limited. Unit to be installed with 82mm diameter P.V.C.u. vent pipe running underground and terminated minimum 2500mm above finished ground level with a bird proof cage. P.V.C.u vent pipe to be sleeved with 110mm dia. cast iron pipe, including brackets. Unit to be installed on a suitable concrete base slab and backfilled with concrete in accordance with the manufacturers instructions with a reinforced concrete cover slab (to Structural Engineers details) complete with extension turrets and 1 No heavy duty manhole cover and frame.

BELOW GROUND DRAINAGE

All below ground drainage to be Hepworth SuperSleve/HepSleve vitrified clay, flexible jointed pipes to B.S.65:1981 installed in accordance with B.S.8301:1985 and all relevant Codes of Practice. All pipes passing through foundation walls to be protected with concrete lintels providing minimum 50mm clearance all round the pipe. Openings to be masked both sides with rigid sheet material prior to backfilling. Pipes under concrete floor slab to be encased in minimum 150mm concrete with movement joints formed using compressible board at each joint face. All drains, the crown of which are within 600mm of the underside of the car park formation to be laid in Class 'X' bed and surround (concrete encased) with flexible joints at each joint face.

Head of foul drain to be ventilated via 50mm diameter PVC-u vent pipe located within cavity of external wall. Vent pipe to be terminated at roof level discharging to outside.

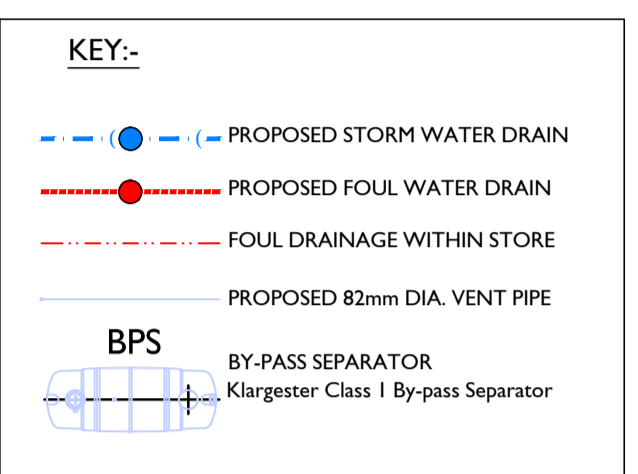
Maintain a minimum distance of 2000mm from building to nearest drain where possible.

DRAINAGE CHANNEL TO LOADING BAY

Birco 100, 200mm deep (10/0) x 1000mm long pre-cast concrete linear drainage channel units Ref. 8103 with rolled galvanised steel angle protection by Marshalls Mono Ltd, Hoveringham. NG14 7JX. Tel: 01636 832000. Drainage channels to discharge into underground drainage system via Birco 100 In-line Outfalls with 150mm side trap Ref: 8172. 375mm depth to invert.

All gratings to be 500mm long and secured to the channel units with minimum 4No. M12 stainless steel, allen key type, security bolts (supplied by Marshalls Mono Ltd.). Allen key to be handed over to Architect at end of project.

All drainage channels are to be capable of supporting 400kN, Class D400 wheel loading to DIN19580, laid strictly in accordance with the manufacturer's instructions and recommendations.



SURFACE WATER DRAINS

MH Ref	Cover Level	Invert level	MH Size	Depth(m)	MH Cover
S01	46.048	44.520	1050	1.528	Type B
S02	45.520	44.650	1050	0.600	Type B
S03	45.148	44.530	1050	0.618	Type B
S04	46.093	44.450	1050	1.643	Type B
S05	46.093	44.520	1050	1.573	Type B
S06	45.770	44.664	1050	1.106	Type B
S07	45.680	44.764	1050	0.916	Type B
S08	45.481	44.600	1050	0.881	Type B
S09	44.850	43.720 IN	TBC	4.500	Type A
S10	40.650	40.350 OUT	1050	0.466	Type A

Attenuation tank
43.700 (base)
44.400 (inlet)
43.750 (outlet)

* flow control valve fitted, 15 l/s

FOUL WATER DRAINS

F01	46.380	45.230	1050	1.150	Type A
F02	45.505	44.900	1050	0.605	Type B
F03	45.455	44.880 IN	1050	TBC	Type B
		TBC OUT			
F04	42.490	TBC	EXISTING MANHOLE		
F05	41.520	TBC	EXISTING MANHOLE		

All cover levels are approximate and should be adjusted on site as necessary.

MANHOLE COVER DETAILS

Type A - 600x600mm medium duty cast iron cover and frame to B.S. 497.
Type B - 600x600mm heavy duty cast iron cover and frame to B.S. 497.

PLEASE NOTE:

In the absence of drainage survey information, the invert levels, gradients and final discharge points are assumed.

Revision	Description	Date	Drawn	Checked

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CLIENT: ALDI STORES LIMITED
PROJECT: NOTTINGHAM ROAD, STAPLEFORD NOTTINGHAM
TITLE: PROPOSED DRAINAGE PLAN

DATE: 22-01-15 SCALE: 1:250 @ A1 DRAWN: JDH CHECKED: DCM
DWG No: V09A93 - P004 REVISION: NORTH

Dalkin Scotton Partnership Architects Limited
PLANNING ISSUE

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