REV	DATE	DESCRIPTION	DRW	CHK
P01	05.06.26	INITIAL ISSUE	CS	SI
P02	07.10.26	ONE FLOW CONTROL DEVICE DESIGN HEAD AND THE SIZE OF THE STORMWATER ATTENUATION TANK CHANGED.	CS	RSH
P03	17.11.26	TANKED PERMEABLE PAVEMENT ADDED.	CS	RSH

MH3702
CL 144.66
IL 142.94

Fw.06
CL 149.67
IL 147.850

Sw.08
CL 149.64
IL 148.350

Fxx.05
CL 149.66
IL 147.978

Fw.05
CL 149.65
IL 149.000

Fw.04
CL 149.62
IL 147.370

Fw.07
CL 149.73
IL 147.270

Sw.07
CL 149.46
IL 148.550

SFw.03
CL 149.83
IL 144.130

Backdrop
(IL 145.630)

MH3
CL 149.23
IL 144.13

Sw.06
CL 149.85
IL 148.803

MH3701
CL 148.91
IL 146.71

Fw.03
CL 149.62
IL 148.530

Location of foul condensates shown indicatively. Refer to refrigeration consultant for setting out information.

MH2
CL 149.34
IL 147.38

Fre.04
CL 149.89
IL 149.380

Fw.02
CL 149.79
IL 148.720

Sw.21
CL 149.83
IL 146.300

Fw.01
CL 149.84
IL 148.900

Drainage channel to be Monotec 100 type 230 by Hauraton, complete with Inspection Box at head of run and Trash Box at outlet in accordance with manufacturer's details.

SSump.17
CL 148.39
IL 147.600

Fre.03
CL 149.89
IL 149.380

Sw.11
CL 149.77
IL 147.490

Sw.12
CL 149.70
IL 147.250

SOil.18. CL 149.21, IL (out) 146.800
Class 1 by-pass interceptor / separator, 210C1/ESR by SPEL or similar and approved. To be fitted with alarm system and vent. Alarm to sound in manager's office

Sw.01
CL 149.13
IL 147.850

Sw.04
CL 149.37
IL 147.810

Sw.02
CL 149.44
IL 147.580

Sw.03
CL 149.59
IL 147.500

Sw.05
CL 149.69
IL 147.380

Sw.20. CL 149.66, IL 146.570.
Hydrobrake design flow 4.0 l/sec head 1.8m.
Hydrobrake Optimum by Hydro International.
Approved pass forward rate 4.0 l/sec

Sw.19
CL 149.73
IL 146.700

Sw.10
CL 149.74
IL 147.800

Sw.13
CL 149.84
IL 147.160

Geocellular storage module attenuation tank with access channel, PiVoid by Plastinject or similar & approved.d.
10.0m x 4.0m x 1.0m deep.
Volume: 40.0m³.
Porosity: 96%
Invert level 146.700m.

Sw.14
CL 149.87
IL 147.030

Sw.09
CL 149.30
IL 148.200

Sw.16. CL 149.70, IL 146.870.
Hydrobrake design flow 7.0 l/sec head 1.6m.
Hydrobrake Optimum by Hydro International.

SOil.15, CL 149.79, IL (out) 146.900
Class 1 by-pass interceptor / separator, 460C1/ESR by SPEL or similar and approved. To be fitted with alarm system and vent. Alarm to sound in manager's office

Geocellular storage module attenuation tank with access channel, PiVoid by Plastinject or similar & approved.d.
32.0m x 14.0m x 1.5m deep.
Porosity: 96%
Invert level 147.100m.

Proposed ALDI FOODSTORE
1,127 sq.m sales area
1,788 sq.m GIA
1,881 sq.m GEA
FFL +149.890

139 no. Customer Parking Bays

20% (26 no.) Future provision EVCP's

4x 75kVa Rapid EVC bays

Proposed substation

Proposed 2.5m high Close board timber fence

Proposed 2.5m high acoustic timber fence

Proposed 0.4m high timber knee rail fence

NOTTINGHAM ROAD

FLETCHER STREET

Ø100 @ 1:31
Ø225 @ 1:104
Ø100 @ 1:80
Ø300 @ 1:108
Ø100 @ 1:15
Ø100 @ 1:32
Ø100 @ 1:10
Ø225
Ø150
Ø150 @ 1:17
Ø100 @ 1:79
Ø100 @ 1:73
Ø150 @ 1:15
Ø150 @ 1:10
Ø150 @ 1:94
Ø300 @ 1:123
Ø225 @ 1:118
Ø375 @ 1:206
Ø300 @ 1:173
Ø300 @ 1:164
Ø150 @ 1:48
Ø150 @ 1:112
Ø150 @ 1:122
Ø600 @ 1:276
Ø600 @ 1:211
Ø600 @ 1:222
Ø225 @ 1:130
Ø300 @ 1:130
Ø150 @ 1:103

+148.460
+148.847
+148.890
+147.360
+148.450
+147.230
+149.069
+147.890
+147.962
+146.710
+147.000
+149.762
+146.070
+149.790
+149.740
+149.600
+149.630
+150.160
+149.865
+150.006
+150.040
+149.350
+150.720
+151.150
+149.090
+147.520

NOTE FOR THERMOPLASTIC PIPES:

1. All PVCu pipes, joints and fittings for gravity sewers shall comply with the provisions of the BS EN 1401-01, BS EN 1852 and BS EN 12666-1.
2. All thermoplastic structured wall sewer pipes shall comply with the relavant provisions of the BS EN 13476-1 and WIS 4-35-01 and BS EN 13476-2 or BS EN 13476-3. Pipes shall be BSi Kitemarked or have equivalent Third Party Certification.
3. All thermoplastic structured wall pipes with a diameter less than 500mm shall have nominal short-term ring stiffness not less than 8 kn/m2 (SN8). This should be displayed on each individual pipe.
3. All thermoplastic structured wall pipes with a diameter more than 500mm shall have nominal short-term ring stiffness not less than 2 kn/m2 (SN2). This should be displayed on each individual pipe.
4. All thermoplastic pipes should be installed in lengths no longer than 3.0m.
5. Any deformation 6% or greater will require the pipe work to be replaced.

KEY

- Vendor site boundary
- Aldi site boundary
- Existing public combined water sewer
- Existing public sewer to be made redundant and grubbed up
- Proposed private foul drain
- Proposed private storm drain
- Proposed private foul water rodding eye
- Propose private Type E PPIC (300mmØ)
- Propose private Type D PPIC (450mmØ)
- Proposed Type B precast concrete ring manhole or silt trap
- Proposed Rectangular Type C manhole
- Proposed private road gully
- Proposed Geocellular stormwater attenuation tank
- Proposed tanked permeable pavement with a fin drain. Min stone depth 0.4m. Fin drain to be set at lowest point of sub-base
- Proposed surface water drainage channel.

GENERAL NOTES

DRAWINGS AND SPECIFICATIONS: This drawing is to be read in conjunction with all relevant Architects, Engineers and Specialists drawings together with the specification.

BUILDING REGULATIONS AND WARRANTY PROVIDER APPROVALS: Please note that it is the responsibility of the Client/Main Contractor to ensure that Building Regulations and warranty provider (e.g. NHBC) approval of all design and construction details is achieved prior to construction on site.

WORKMANSHIP: Drainage installation shall be in accordance with the BS EN 1610:2015 and the BS 8000 1-14.

DRAINAGE NOTES

DRAINAGE STANDARDS: All private drainage works shall be in accordance with Building Regulations Document Part H. All adoptable drainage works shall be in accordance with Sewerage Sector Guidance Appendix C : Design and Construction Guidance and statutory undertaker's requirements.

ABOVE GROUND DRAINAGE: RWP/SVP drainage positions shown on Craddys drawings, upon which the below ground drainage is designed, are based upon the positions provided to us by the Architect and these are to be set out on the Architect's floor plans unless agreed otherwise. If above ground drainage positions change then Craddys will need to be informed of these changes in writing and the changes in position clearly noted or highlighted on a drawing, i.e. using revision clouds, with relevant CAD files provided to Craddys below ground drainage drawings to be updated. Note that should these changes occur following Craddys issue of Construction status drawings then there is a risk of the contractor undertaking abortive works.

LAYING DRAINAGE. It is recommended that all drains be laid starting from the downstream connection to the existing network and working upstream to and through the new development.

DRAINAGE PIPE SIZES: All foul water drains to be 100mm diameter unless noted otherwise. All surface water drains to be 150mm U.N.O.

MANHOLE COVER LEVELS: All manhole & inspection chamber cover levels are to be adjusted to suit the Architect's proposed finished surface levels. If the cover levels proposed in the drainage schedules vary from proposed surface level by more than 100mm, Contractor to notify Craddys.

C D M : SIGNIFICANT HAZARDS

THE FOLLOWING HEALTH AND SAFETY HAZARDS ARE IDENTIFIED BY THE DESIGNER AS ABNORMAL IN PURSUANCE OF THE CURRENT CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS.

RISKS DURING CONSTRUCTION:

- WORKING WITHIN OR NEXT TO A CAR PARK IN USE - Contractor to provide all the necessary guarding, signing and safety requirements to ensure safe working environment for personnel and safe passage of vehicular and pedestrian traffic.
- EXISTING SERVICES: Further to any existing services information available, contractor to undertake further surveys/scans to locate any existing services prior to excavations.
- EXISTING LIVE DRAINS: There existing live drains on site. The Contractor to put in place appropriate protection measures prior to construction.

OPERATION / MAINTENANCE RISKS:

- MANHOLES/GULLIES/SILT TRAPS/HYDROBRAKE CHAMBER: Inspect manholes, silt traps & hydrobrake chamber for build up of silt and general debris (once a year, preferably in the spring after leaf fall in the autumn). If silt/debris is building up then clean with jetting lorry / gully sucker & inspect pipe.

RISKS DURING DEMOLITION/DECOMMISSIONING/DISMANTLING/ALTERATIONS:

- No abnormal risks have been identified relating to this design element.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY COMPETENT & ADEQUATELY RESOURCED CONTRACTOR(S) TO SAFE SYSTEMS OF WORK.

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Client
ALDI - Aldi Stores Ltd.

Project Title
PROPOSED ALDI STORE

Project Address
NOTTINGHAM ROAD
RIPLEY

Drawing Title
PROPOSED DRAINAGE LAYOUT

Job No.	Originator	Functional	Spatial	Type	Role
79-EXXXX	CDY	XX	XX	D	C

Drawing No.	Suitability	Revision
0050	S1	P03

Drawn	Checked	Date	Scale	Size
CS	SI	05.06.26	1:250	A1

Approved	Craddys Job#
RAG	60009

IF YOU HAVE A QUERY CALL US
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