

- Notes**
1. Do not scale the drawing
  2. This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
  3. All dimensions are in millimetres unless noted otherwise
  4. Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
  5. All drainage runs to be 100mm dia. unless noted otherwise.
  6. For drainage details see drawing no. B1299-S-102.
  7. All below ground drainage up 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. Vent pipe to be terminated at roof level discharging to outside.
  8. 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.
  9. Maintain a minimum distance of 2000mm from building to nearest drain where possible.
  10. Channels to car park to be Birco 100, 200mm deep (10/0) x 1000mm/500mm long precast concrete linear drainage channel units ref: 8103 with rolled galvanised steel angle protection by Marshalls Mono Limited. Tel 0845 309 3131. Drainage channels to discharge into underground drainage system via Birco 100 in-line outfalls with 150mm side trap ref: 8172 - 375mm depth to invert. Channel gratings to Car Park to be Birco 100 'Heelsure' 100 x 6mm slotted cast iron grating ref: 8134, colour coated black, unless noted as white (Signal White) on drawing. All gratings to be 500mm long and secured to channel units with minimum 4 no. M12 stainless steel allen key type security bolts (supplied by Marshalls Mono Limited). Allen key to be handed over to Architect at end of project. Channel gratings to Loading Bay be Birco 100 x 100 x 12mm slotted cast iron grating ref: 8132, colour coated black. All gratings to be 500mm long and secured to channel units with minimum 4 no. M12 stainless steel allen key type security bolts (supplied by Marshalls Mono Limited). 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.
  11. Drainage channel to loading bay to be 305 x 150mm precast concrete ditch channel by Marshalls PLC.
  12. Ramp and car park drainage to discharge into storm water drainage sewer via Class 1 Bypass Separators; sizes and orientation by Kingspan Klargester. Units to be installed with 82mm diameter P.V.C.u. vent pipes running underground and terminated minimum 2500mm above finished ground level with bird proof cages. P.V.C.u vent pipes to be sleeved with 110mm diameter cast iron pipe, including brackets. Units 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, complete with extension turrets and Ino. heavy duty manhole cover and frame.

P1	17.09.20	Preliminary Issue	RAC SR
Rev	Date	Description	Drn App



37-39 Ludgate Hill, Birmingham  
West Midlands B3 1EH  
0121 726 7670  
www.webbyates.com  
info@webbyates.com















Project **Aldi Stores Limited, Sturlas Way, Waltham Cross**


Drawing Title **Drainage Assessment Layout**

Drawing Status **Preliminary**


Drawn by	Checked by	Sheet size	Scale	Rev status
RAC	SR	A1	1:200	

Drawing Number	Revision
B1299-S-101	P1


- Key:**
-  SWD - Storm Water Sewer
  -  FWD - Foul Water Sewer
  -  Existing Storm Water Sewer
  -  Existing Foul Water Sewer
  -  FW# = Proposed Foul Manhole
  -  SW# = Proposed Storm Manhole
  -  G = Roddable Gully
  -  RWP = Rainwater Pipe
  -  DP = Foul Drain Pipe
  -  SVP = Spoil and Vent Pipe
  -  RE = Rodding Eye
  -  IC = Interceptor



Identify type and location of any harmful substances known to exist on site.



Identify locations of known services.



Identify nature of ground likely to be encountered.