



**DRAINAGE NOTES**

- All private drainage works are to be carried out in accordance with BS EN 752:2008 and Building Regulations Part H.
- All drainage works to comply with the requirements of the Water UK/Water Research Centre publication 'Sewers for Adoption' (current edition).
- All connections to existing public sewers to be in accordance with and to the satisfaction of the Local Authority.
- Concrete protection (bedding class 'Z') to pipework to be provided as follows:
  - (i) all pipework within soft areas with a cover of less than 600mm.
  - (ii) all pipework beneath roads, car parks and all other trafficked hardstanding areas with a cover less than 1200mm.
  - (iii) all pipework adjacent to existing and proposed trees/dense vegetation in landscaped areas.
 An expansion joint shall be provided at all joint locations.
- All below ground foul drainage from within building footprint to be 100mm dia. unless stated otherwise. All below ground drainage from road gullies to be 150mm dia. unless stated otherwise.
- All pipework in manholes are to be laid soffit to soffit unless noted otherwise. All chamber invert levels, shown on the drawing, are for the outgoing pipe.
- All internal drainage to be to the Architect's and M & E Engineer's drawings and details.
- For setting out of foul and rainwater outlets refer to the Architect's drawings. Contractor is responsible for all coordination of pipework on site.
- This drawing to be read in conjunction with all other relevant Engineer's and Architect's drawings, specifications and documentation.
- The position and invert levels of all existing drains, sewers and manholes to be confirmed by the contractor prior to the commencement of the proposed works and any discrepancies reported immediately to Eireng Consulting Engineers.
- All pipes are to have a class 'S' bed and surround unless noted otherwise (see note 4 above).
- All concrete pipes are to be high strength and to be in accordance with BS EN 1916 and BS 5911.
- All vitrified clay pipes are to be in accordance with BS EN 295
- Drainage channels, slot drains and silt pits to be designed by a specialist manufacturer for critical storms of 1:2 year return period, to suit site conditions and in accordance with load class requirements as shown on the plan. Location of all rodding access, inspection chambers & outlet boxes to be as per specialist manufacturer's design. Design to be submitted for comment to Eireng Consulting Engineers prior to ordering.
- All external finished levels and manhole cover levels shown on this drawing are indicative and subject to adjustment on site to suit the finished ground levels. All existing manhole covers to be amended to suit finished ground levels and converted to trafficable where required including manhole build up and surround.
- All levels are in metres and all dimensions are in millimetres unless noted otherwise.
- Any coordinates provided for manholes or inspection chambers are relevant to the main drainage run intersection and not the centre of the manhole.
- A CCTV drainage survey is to be carried out both at the pre-commencement of construction and at the completion of the contract to prove the integrity of the as-built drainage systems. At the completion of the contract this is to be carried out prior to the issue of the practical completion certificate.

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**LEGEND:**

- PROPOSED BUILDING
- SW DENOTES PROPOSED SURFACE WATER
- IC SW DENOTES PROPOSED SURFACE WATER INSPECTION CHAMBER
- SW DENOTES PROPOSED SURFACE WATER BACKDROP
- F DENOTES PROPOSED FOUL SEWER
- IC F DENOTES PROPOSED FOUL SEWER INSPECTION CHAMBER
- F DENOTES PROPOSED FOUL BACKDROP
- F DENOTES PROPOSED FOUL MANHOLE
- EX-SW EXISTING SURFACE WATER SEWER
- EX-FW EXISTING FOUL SEWER
- ELECTRIC CABLE/DUCT
- COM ELECTRIC & COMMS DUCT
- ER EARTHING ROD / CABLE
- TS TRAFFIC SIGNAL CABLE/DUCT
- TELECOMS CABLE/DUCT
- TV CABLE TELEVISION CABLE/DUCT
- COM COMMUNICATION CABLE/DUCT
- WATER PIPE
- GAS PIPE
- F FUEL PIPE
- V VENT PIPE
- H HEATING PIPE
- UNIDENTIFIED GPR LOCATION
- UNIDENTIFIED SERVICE
- SERVICE DUCT / EMPTY DUCT

PL1	12/04/19	LL	PLANNING ISSUE.
REV	DATE	BY	DESCRIPTION
REVISIONS			



PROJECT TITLE  
**OCADO CFC1 COMPANY SHOP**

DRAWING TITLE  
**PROPOSED DRAINAGE LAYOUT**



DRAWN BY	L. Lonergan	DATE	04-04-19
ENG CHECK	E. Deasy	DATE	04-04-19
APPROVED	J. Lamb	DATE	04-04-19
SCALE	1:100	SHEET	A1

STATUS <b>PLANNING</b>		
JOB NO.	DRAWING NUMBER	REVISION
192022	C010	PL1

**WARNING:**  
The location of the existing services/utilities shown on drawings cannot be guaranteed. It is the responsibility of the contractor to establish the exact position of the services/utilities on site using appropriate methodology and competent personnel.