



- ngri La



DO NOT SCALE THIS DRAWING.
WORK TO FIGURED DIMENSIONS ONLY.
DIMENSIONS ARE IN METRES (INCHES) UNLESS OTHERWISE STATED.

- This drawing is to be read in conjunction with all relevant Architect's, Engineer's, Specialist's and Contractor's specifications.
- All work to comply with the relevant British Standards, Codes of Practice and the Building Regulations.
- Contractors intending all working drawings, specifications and schedules of all disciplines to be immediately notified to CTP for clarification/correction prior to construction of relevant structure.
- Contractors must refer to the relevant Building Regulations Approved Document H (latest edition) and BS EN 752.
- Prior to commencement of the works the contractor shall liaise with all relevant authorities to obtain the necessary method approval and where appropriate the intended choice of materials.
- Refer to topographical survey for details of existing site conditions and bench marks.
- Prior to commencement of the works the contractor shall liaise with all relevant authorities to locate, protect and where necessary divert all existing services.
- The contractor shall ensure the stability of all excavations is maintained at all times and all excavations shall be kept free of standing water.
- Contractors shall ensure that all excavations are completed in accordance with the requirements of the Highway Authority. The contractor shall obtain all necessary licenses required to carry out the works within the public highway, and shall ensure that the excavations are completed in accordance with the local water authority and in accordance with 'Sewerage Sector Guidance' - Latest Edition.
- Prior to commencement of the works all drainage outfall points, whether existing sewer, drain or watercourse, shall be verified on site by the contractor. If the outfall point is found to be higher or significantly lower than the existing drainage level, the contractor shall be notified immediately (significant redesign of drainage and levels may be necessary). Prior to commencement of construction on-site the contractor shall install all off-site drains, manholes, or structures, or any other structures or obstructions or for reasons why the drain connections can not be approved.
- All cover levels shown on this drawing are approximate, details of new drains and manholes shall be determined on site to match level and profile to finished surface.
- The construction of all existing channels, gullies and their covers, gratings and manholes shall be determined on site and replicated as necessary to suit their location within the finished development.
- All covers, gratings and frames to channels, gullies, channels etc, shall be of the following:
Load Class A5- Pedestrian areas (not accessible by vehicles)
Load Class B125- Private drives
Load Class C250- Basement parking bays / lightly trafficked roads
Load Class D400- Main roads
- All existing channels, gully channels, pipes and other drainage apparatus shall be removed from the site prior to commencing the works. The contractor shall take all necessary measures to ensure that no material enters the drains (other than that which they are designed to carry).
- Contractors shall ensure that all drainage ground conditions and any special requirements for buried concrete (special requirements for buried concrete shall include all pre-cast and in-situ concrete and mortars). Where appropriate the contractor shall report on the condition of all existing channels, gullies, materials and other additional requirements.
- All pre-cast and in-situ concrete and mortars used in the construction of four foot deep drains shall be determined on site to match level and profile to finished surface.
- Unless otherwise agreed all pipework shall be constructed from 'super strength' vitrified clay to BS 68, BS EN 206 or UPVC to BS EN1401 bedded and installed in accordance with the manufacturer's requirements and latest published publications.
- The contractor's attention is drawn to Diagrams 7 and 8 of this drawing showing the proposed Downed Drains and details of drains laid below and near to buildings. Where ground beams are used, their level shall be set to avoid clashing with drain connections.
- Contractors of gullies to be determined on site to suit low points. The contractor shall ensure that all finished surfaces are laid to falls that are sufficient for all surface water to drain without surfacing ponding.
- Contractors shall ensure that all drainage connections to other drainage connections refer to the large scale architectural building plans.
- Rainwater downpipes that do not connect directly to an access point, shall be connected to a downpipe that does connect to an access point.
- All drain channels to be by ACO or similar and be of a type, size and capacity suitable for their location.
- Where access filters are required, the frames and manholes shall be constructed to the dimensions shown in Tables 11 and 12 of The Building Regulations Approved Document H and from the materials listed in Table 14, of the same document. The contractor shall ensure that the materials and products designated/required for the location in which they are to be used. They shall be installed in accordance with the manufacturer/supplier's requirements.
- Contractors to commencement of any works the existing drainage network will be traced to ensure that no 'live' connections remain, any such connections must be removed and the contractor shall be responsible for the new drains.
- Pipes at manholes to be sloped to suit or sloft to unless otherwise mentioned.
- Pipes shall be at a min. gradient 1:40 (1.80 minimum 1 WC is connected).



Revision	Amendments	Date	Rev'd	Chk'd
Created by: SF	Date created: April 2024	Discipline: CIVILS		



Drawing Number: **B0457-1500** Scale: **1:250 @A1**
 Unless Noted Otherwise Revision: **P5**