



NOTES

This drawing is the copyright of the Engineers and may not be reproduced or used except by written permission.

Dimensions must not be scaled from this drawing. The Contractor is to check and verify all building and site dimensions before work is put in hand.

This drawing must be read and checked against any Architects or other specialists drawings.

The Contractor is to check and verify with all Statutory Authorities and the Employer the location and condition of any underground or overhead services or confirm that none exist prior to work commencing on site.

The Contractor shall comply with enactments regulations and working rules relating to safety health and welfare of workpeople.

DRAINAGE NOTES:

1. ALL DISCREPANCIES NOTED ON SITE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. All dimensions in millimeters and levels in meters unless noted otherwise.
3. All work is to be carried out in accordance with the current British Standards, Codes of Practice and Building Regulations.
4. The exact position, level, size and use of existing sewers to be confirmed on site. Any discrepancies to be reported to the Engineer PRIOR TO COMMENCEMENT OF WORKS.
5. All uncovered and shallow pipework to be protected against construction traffic as part of the Contractors temporary works requirements.
6. Cover levels shown are approximate only, subject to the finalised external works and landscaping scheme.
7. All connections to trapped road gullies and channels shall be 150mm nominal bore pipework min where not noted on the plan. No pipe work to be downsized in the direction of flow.
8. All un-noted buried pipework to be 150mm dia. unless subject to other notes or noted otherwise.
9. All buried pipework to be U-PVC type in accordance with WIs 4-35-01 unless noted otherwise.
10. All pipework entering and exiting manholes to be connected with pipe soffits level unless noted otherwise.
11. Pre-formed channels to be used at all manholes.
12. High strength concrete benching to be steel trowelled to a dense smooth face neatly shaped and finished to all branch connections and laid in accordance with the Specification.
13. Pipe bends to be provided to suit direction of flow.
14. All manhole covers and frames to be Ductile Iron Heavy Duty Grade D400 double triangular to BS EN 124 unless noted otherwise.
15. First flexible joint in pipes adjacent to all manholes and inspection chambers to be 600mm max. from inside face of manhole / inspection chamber, connecting to rocker pipe. For pipe diameters 150mm - 450mm the rocker pipe length shall be 500mm - 750mm and for pipe diameters 451mm - 675mm the rocker pipe length shall be 750mm - 1000mm.
16. All soft spots encountered in the trench formation to be removed and replaced with graded granular material unless instructed otherwise.
17. All Specialist attenuation tanks, soakaways and water treatment units to be installed as per manufacturers installation details and specifications. Contractor to liaise with specialist suppliers for confirmation of bedding and surround requirements.
18. All buried concrete must cater for class DS1 sulphates conditions and AC1 aggressive chemical environment for concrete in accordance with BRE special digest 1.
19. The design of any temporary works required shall be the responsibility of the Contractor.
20. Abandoned buried pipework as a result of the works to be grubbed up, or sealed using ST2 concrete or 1:10 Cement:PFA mix grout. Specification and working method of grouting, strictly in accordance with Clause 506.3 of the Specification for Highway Works.
21. For new connections to existing manholes, existing benching is to be broken out and reformed to suit. Concrete / brickwork surround to be made good.
22. All RVPs and SVPs to be fitted with roddable access plates. All foul drains to have roddable access.
23. All proposed drainage to be constructed adjacent to new and proposed tree planting to be adequately protected against root activity using root barriers in accordance with the chosen manufacturer's recommendations.
24. Contractor to include for the modification of all existing buried services affected by the works. Note that levels across the site will change as a result of the proposals affecting covers and depths to services which may need to be raised or lowered.

29.02.24	Preliminary Issue	AL	P01
Date	Description	Drawn	Chkd

Drawing Status	Preliminary
----------------	-------------

21 Stoney Street, Lace Market, Nottingham, NG1 1LP Tel: 01159 417145 Fax: 01159 484445	Courtwood House, Silver Street, Head, Sheffield, S1 2DD Tel: 01143 211900	Lincoln Office Tel: 01522 245020 Fax: 01159 484445
--	--	--



Project	Park Car Park Re-construction Kingsway, Braunstone
---------	---

Title	External Works Drainage GA Plan
-------	---------------------------------

Dwg Scale	1:200	Drawn	AL	Checked	-	CHG job No.	J522
-----------	-------	-------	----	---------	---	-------------	------

Drawing Number	J522-CHG-Z0-00-DR-C-5000	Revision	P01
----------------	--------------------------	----------	-----