



UNLESS STATED OTHERWISE, THIS DRAWING IS TO BE REFERRED TO FOR SERVICES WORKS ONLY.

THE CONTRACTOR IS TO CHECK ALL DIMENSIONS AND EXISTING AND PROPOSED LEVELS PRIOR TO THE START OF WORKS, AND ANY ERRORS REPORTED TO THE ENGINEERS.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE LATEST ARCHITECTS AND STRUCTURAL ENGINEERS DRAWINGS.

- NOTES**
- THE CONTRACTOR MUST CHECK THE SIZE, LOCATION AND LEVELS OF ALL DRAINAGE OUTFALLS PRIOR TO CONSTRUCTION OF ANY DRAINAGE, UNLESS OTHERWISE AGREED, TO ENSURE THE PROPOSED DESIGN MAY BE ACHIEVED.
 - ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH PART H OF THE CURRENT BUILDING REGULATIONS AND BS EN 752.
 - ALL ADOPTABLE DRAINAGE WORKS ARE TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION AND THE REQUIREMENTS OF THAMES WATER.
 - ALL DRAINAGE CONNECTIONS TO THE PUBLIC SEWER NETWORK ARE SUBJECT TO THE APPROVAL OF THAMES WATER UNDER SECTION 106 OF THE WATER INDUSTRY ACT AND SUBJECT TO ANY CONDITIONS THEY MAY APPLY.
 - ALL DRAINAGE CONNECTIONS TO THE PUBLIC SEWER ARE TO BE INSPECTED BY THAMES WATER AS REQUIRED.
 - ALL ADOPTABLE DRAINAGE TO BE EITHER:
 - CONCRETE PIPES AND FITTINGS WITH FLEXIBLE JOINTS COMPLYING WITH THE RELEVANT REQUIREMENTS OF BS EN 1916 AND BS 5911.
 - VITRIFIED CLAY PIPES AND FITTINGS WITH FLEXIBLE MECHANICAL JOINTS COMPLYING WITH THE REQUIREMENTS OF BS EN 295 AND BS 65 (SURFACE WATER ONLY).
 - DUCTILE IRON PIPES, FITTINGS AND JOINTS COMPLYING WITH THE RELEVANT PROVISIONS OF BS EN 598.
 - ALL PRIVATE DRAINAGE TO BE EITHER:
 - CONCRETE PIPES AND FITTINGS WITH FLEXIBLE JOINTS COMPLYING WITH THE RELEVANT REQUIREMENTS OF BS EN 1916 AND BS 5911.
 - VITRIFIED CLAY PIPES AND FITTINGS WITH FLEXIBLE MECHANICAL JOINTS COMPLYING WITH THE REQUIREMENTS OF BS EN 295 AND BS 65 (SURFACE WATER ONLY).
 - DUCTILE IRON PIPES, FITTINGS AND JOINTS COMPLYING WITH THE RELEVANT PROVISIONS OF BS EN 598.
 - UNPLASTICISED PVC PIPES, JOINTS AND FITTINGS COMPLYING WITH THE RELEVANT CLAUSES OF BS 4660 AND BS EN 1401-1.

- ALL DRAINAGE BENEATH BUILDINGS AND CAST INTO FOUNDATIONS TO BE DUCTILE IRON PIPES, FITTINGS AND JOINTS COMPLYING WITH THE RELEVANT PROVISIONS OF BS EN 598.
- TRANSITION IN PIPE MATERIALS TO BE MADE AT NEAREST CHAMBER OR ROCKER PIPE WHERE IT PASSES THROUGH FOUNDATIONS.
- ALL RIP LOCATIONS AND SIZES TO BE VERIFIED AND SET OUT BY THE ARCHITECT AND M&E CONSULTANT.
- ALL FOUL DRAINAGE 'POP-UP' LOCATIONS AND SIZES TO BE VERIFIED AND SET OUT BY THE ARCHITECT AND M&E CONSULTANT.
- ALL FOUL GULLY LOCATIONS AND SIZES TO BE VERIFIED AND SET OUT BY THE ARCHITECT AND M&E CONSULTANT.
- ALL FOUL DRAINAGE FLOW RATES ARE TO BE PROVIDED BY THE M&E CONSULTANT TO VERIFY SIZE OF BELOW GROUND DRAINAGE.
- WHERE DRAINAGE LATERALS CONNECT DIRECT TO THE BELOW GROUND SYSTEM VIA PREFORMED JUNCTIONS RODDING ACCESS IS TO BE PROVIDED, THIS IS TO BE VIA REMOVABLE TRAPS IN GULLIES OR ACCESS PIPES IN VERTICAL PIPEWORK ABOVE GROUND.
- WHERE FOUL, SURFACE WATER OR OTHER DRAINAGE PIPES CROSS AND THERE IS LESS THAN 100MM OF CLEARANCE SHORT LENGTHS OF BOTH RUNS ARE TO BE ENCASED IN CONCRETE.
- FOR MANHOLE SCHEDULES REFER TO CNM DRAWING 150-CNM-23-00-DR-P-1013
- FOR CONSTRUCTION DETAILS REFER TO CNM DRAWINGS 150-CNM-23-00-DR-P-1010 & 1012

NOTE- THE SURFACE WATER DRAINAGE SYSTEM IS DESIGNED TO SPECIFICALLY USE SPECIFIED FLOW CONTROL DEVICE. ANY CHANGE WILL REQUIRE A DESIGN CHECK AND POTENTIAL INCREASE IN ATTENUATION VOLUME.

Contract	150 HOLBORN			
Architect	PERKINS + WILL			
Issue	P2.1	ISSUED FOR STAGE 4	13.07.18	DTE MLS
Rev		Revision Note	Date	Drawn By

150 HOLBORN

PROPOSED GROUND FLOOR DRAINAGE LAYOUT

PERKINS + WILL

cnm Clarke Nicholls Marcel
CIVIL & STRUCTURAL ENGINEERS

Glen House, 22-24 Clerkenwell Road
Hammer Smith, London W9 0NG
T 020 8748 8611
F 020 8741 8171
www.clarke-nicholls-marcel.com

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