

GENERAL NOTES

DO NOT SCALE FROM THIS DRAWING WORK TO FIGURED DIMENSIONS ONLY.

NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS ALLOWED WITHOUT PRIOR PERMISSION IN WRITING.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.

THE CONTRACTOR SHALL INCORPORATE ALL THE REQUIREMENTS OF THE PRE-TENDER STAGE HEALTH AND SAFETY PLAN.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH WML DRAINAGE DETAIL DRAWINGS FOR DETAILS OF MATERIALS AND WORKMANSHIP REFER TO THE SPECIFICATION.

THE CONTRACTOR IS RESPONSIBLE FOR CHECKING INVERT LEVELS AND POSITIONS OF ALL EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES SHOWN ON THIS DRAWING IMMEDIATELY ON SITE ESTABLISHMENT. ANY DISCREPANCIES MUST BE REPORTED TO WML CONSULTING IMMEDIATELY.

WHERE THE NEW SITE DRAINAGE CONNECTS IN TO EXISTING MANHOLES IN CARRIAGEWAYS AND/OR EXISTING ADOPTED SEWERS, THE CONTRACTOR IS RESPONSIBLE FOR ALL LIAISON WITH THE RELEVANT STATUTORY UNDERTAKER AND LOCAL AUTHORITY WITH REGARD TO ROAD CLOSURES, TRAFFIC MANAGEMENT, PERMITS TO WORK, SUBMISSION OF CONTRACTORS METHOD STATEMENTS AND RISK ASSESSMENTS AND OTHER DOCUMENTATION AND CORRESPONDENCE ASSOCIATED WITH THE SITE STAGE (PART 2) ELEMENT OF THE WORKS.

ROCKER PIPES TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.

PROVIDE ADEQUATE PROTECTION TO MAINTAIN MINIMUM COVER TO DRAINS DURING THE CONSTRUCTION PERIOD.

COVER LEVELS ON THIS DRAWING ARE APPROXIMATE AND INDICATIVE ONLY ARCHITECT TO CONFIRM COVER LEVELS TO ALL MANHOLES AND GULLIES PRIOR TO CONSTRUCTION.

THE LAYOUT OF DRAINAGE ON THIS DRAWING IS INDICATIVE ONLY ARCHITECT TO CONFIRM EXACT LOCATION OF MANHOLES AND GULLIES.

U/O SURFACE WATER DRAINAGE PIPES OVER Ø100mm TO BE TWIN WALLED STRUCTURED PLASTIC APPROVED BY THE ENGINEER.

U/O FOUL WATER DRAINAGE PIPES TO BE SUPERSLEVE VITRIFIED CLAY PIPES OR SIMILAR.

ALL COVERS AND RODDING ACCESS POINTS TO BE SEALED AND SCREWED TIGHT.

ALL INTERNAL MANHOLE COVERS TO BE DOUBLE SEALED, LOCKABLE AND RECESSED TO ACCEPT FLOOR FINISHES WHERE APPLICABLE.

SETTING OUT OF ALL INTERNAL GULLY/PLUMBING CONNECTIONS TO BE CO-ORDINATED BETWEEN THE SERVICE ENGINEERS AND THE ARCHITECT.

ALL INTERNAL GULLIES, PLUMBING CONNECTIONS, SOIL STACKS, SVPS AND ALL OTHER CONNECTIONS OF FOUL AND SURFACE WATER DRAINS TO BELOW GROUND TO BE FITTED WITH ACCESSIBLE RODDING POINTS ABOVE SLAB LEVEL.

ALL SURFACE WATER CONNECTIONS TO BE 100mm DIAMETER AT MINIMUM FALLS OF 1:80 UNLESS NOTED OTHERWISE.

ALL FOUL WATER CONNECTIONS TO BE 100mm DIAMETER AT MINIMUM FALLS OF 1:40 UNLESS NOTED OTHERWISE.

ALL CONNECTIONS TO BE MADE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS.

ALL PIPEWORK TO BE INSTALLED WITH SOFFITS LEVEL (E.G. AT CHANGES IN PIPE SIZE) U/O N.O.

FOR DETAILS OF GREASE TRAP/MACERATOR REQUIREMENTS ASSOCIATED WITH KITCHENS REFER TO SERVICE ENGINEER.

ON COMPLETION OF DRAINAGE WORKS, THE NEW DRAINAGE SYSTEM IS TO BE THOROUGHLY CLEANED AND A CCTV SURVEY CARRIED OUT TO CONFIRM NO CONSTRUCTION DEBRIS OR BLOCKAGES REMAIN.

CONNECTIONS TO CARRIER DRAINS ARE TO BE "Y" JUNCTIONS.

ALL PRIVATE DRAINAGE IS TO COMPLY WITH BS EN 752 AND BUILDING REGS. PART H.

PIPE GRADIENTS ARE INDICATIVE MINIMUMS.

SURFACE CHANNEL DRAINS TO BE ACO MULTIDRAIN OR SIMILAR.

MANHOLES:

ALL PROPOSED NEW MANHOLES TO BE PRECAST RING MANHOLES TYPE B UNLESS NOTED OTHERWISE. INTERNAL DIAMETERS OF MANHOLES TO BE 1000mm WHERE DEPTH TO PIPE SOFFIT IS LESS THAN 1.5m, AND 1200mm Ø ELSEWHERE UNLESS NOTED OTHERWISE. IC - DENOTES POLYPROPYLENE INSPECTION CHAMBER BY HEPWORTHY OR SIMILAR APPROVED INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

MANHOLE COVERS:

CARRIAGEWAYS GENERAL - EN124 CLASS D400
CARRIAGEWAYS WITHIN 0.5m OF KERB - EN124 CLASS C250
SLOW MOVING HGV [DR] - EN 124 CLASS B125 SLOW MOVING
GLV [DR] - EN 124 CLASS B125 SLOW MOVING PRIVATE CARS - EN124 CLASS B125.

INTERNAL - JONES OF OSWESTRY - SUPRASTEEL DOUBLE SEALED WITH NEOPRENE GASKET AND COVER GREASE OR SIMILAR APPROVED.

REFER TO ARCHITECTS DRAWINGS FOR DETAILS OF ANY MANHOLE COVERS WHICH REQUIRE INSET PANELS.

DRAWING NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WML DRAINAGE STRATEGY DOCUMENT 9670-WML-ZZ-XX-RP-C-1001.

DESIGN NOTES

ALL EXISTING DRAINAGE IS SHOWN INDICATIVE ONLY AND BASED UPON AS-BUILT RECORDS AND SONDE SURVEY. DUE TO DISCREPANCIES BETWEEN BOTH SETS OF INFORMATION, EXISTING INVERT LEVELS HAVE NOT BEEN SHOWN AT THIS TIME.

CONTRACTOR IS TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING DRAINAGE PRIOR TO CONSTRUCTION, ESPECIALLY WHERE PROPOSED CONNECTIONS ARE SHOWN.

THE EXISTING SITE ATTENUATION TANK IS SHOWN INDICATIVE ONLY BASED ON RECORD DRAWINGS.

CONTRACTOR SHALL ALLOW FOR DETERMINING THE EXTENTS AND DEPTH OF THE EXISTING ATTENUATION TANK PRIOR TO COMMENCEMENT OF THE WORKS. CONFIRMED LOCATION IS TO BE PROVIDED TO THE ENGINEER FOR INFORMATION AND REVIEW PRIOR TO PROCEEDING WITH PILING WORKS AND EXCAVATIONS FOR DRAINAGE OR SUB-STRUCTURE WORKS.

THE PROPOSED DRAINAGE SHOWN HAS BEEN BASED ON ASSUMED RAIN WATER PIPE AND SLAB PENETRATION LOCATIONS. THE ARCHITECT IS TO CONFIRM FINAL POSITIONS PRIOR TO CONSTRUCTION AND ALLOW SUFFICIENT TIME FOR THE DRAINAGE TO BE UPDATED ACCORDINGLY.

THRESHOLD DRAINS HAVE BEEN INCLUDED AT ALL DOOR LOCATIONS. FINAL REQUIREMENT TO BE CONFIRMED BY THE ARCHITECT PRIOR TO CONSTRUCTION.

RESIDUAL RISK REGISTER -

REFER TO WML CIVIL / STRUCTURAL DESIGN RISK REGISTER IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORKS INDICATED ON THIS DRAWING. NOTE THE FOLLOWING:

1. CONSTRUCTION OPERATIONS WITHIN SURROUNDING RESIDENTIAL SITE - POTENTIAL CONFLICT BETWEEN CONSTRUCTION TRAFFIC AND RESIDENTIAL VEHICLES.
2. REPORTS OF UNEXPLORED ORDNANCE.
3. EXISTING UNDERGROUND SERVICES AND DRAINAGE.
4. CONNECTION TO EXISTING LIVE DRAINAGE SYSTEMS.
5. DEEP EXCAVATIONS, TEMPORARY WORKS, RISK OF FALLING, GROUND STABILITY.

EXISTING BELOW GROUND ATTENUATION TANK:

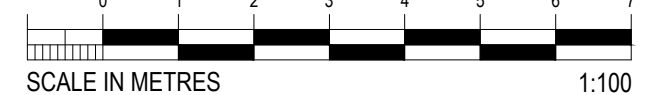
TEMPORARY WORKS AND CONSTRUCTION STAGE
RISK OF DAMAGE TO TANK/RISK OF COLLAPSE OF TANK ROOF
AVOID STORAGE OF EXCAVATED MATERIALS OR CONSTRUCTION MATERIALS OVER FOOTPRINT OF TANK AND FOR A 3m PERIMETER AROUND THE TANK. AVOID RUNNING CONSTRUCTION AND/OR DELIVERY VEHICLES OVER THE AREA OF THE TANK AND 3m PERIMETER.
AVOID THE STANDING OF CRANES AND/OR HIGH LEVEL ACCESS PLANT IN THE AREA OF THE TANK AND 3m PERIMETER.

PERMANANT WORKS
RISK OF DAMAGE TO TANK/RISK OF COLLAPSE OF TANK ROOF
LANDSCAPING PROPOSALS INVOLVING THE POTENTIAL RE-USE OF SITE WON MATERIALS TO FORM BUNDS AND/OR OTHER LANDSCAPING FEATURES, THE LEVEL OF THE EXISTING EARTH MOUND IN AND OVER THE AREA OF THE TANK SHALL NOT BE INCREASED BY THE INTRODUCTION OF ADDITIONAL MATERIAL.

SUBJECT TO APPROVAL FROM
LOCAL PLANNING AUTHORITY
AND UNITED UTILITIES

LEGEND

- EXISTING PUBLIC SURFACE WATER SEWER
- EXISTING PUBLIC FOUL WATER SEWER
- EXISTING PRIVATE SURFACE WATER SEWER
- EXISTING PRIVATE FOUL WATER SEWER
- PROPOSED PRIVATE SURFACE WATER DIVERSION
- PROPOSED PRIVATE FOUL WATER DIVERSION
- PROPOSED PRIVATE SURFACE WATER SEWER
- PROPOSED PRIVATE FOUL WATER SEWER
- NEW POLYSTORM ATTENUATION/SOAKAWAY SYSTEM
- NEW PERMEABLE PAVING CONSTRUCTION



T01 TENDER ISSUE		14.05.21	DB	CM
Rev.	Amendment	Date	By	Chkd
Project OUR LADY'S RC HIGH SCHOOL, MANCHESTER				
ARCH/CLIENT POZZONI				
Title PROPOSED DRAINAGE GA				
WML Job No.	Drawn	Checked	Date	Scale
9670	DB	CM	MAY 2021	1:100 @ A0
WML CONSULTING Civil, Structural & Geotechnical Engineers				
No 8 Oak Green East Road Slattery Green Business Park Cheshire M56 6QZ Tel: 0161 446 0000 Fax: 0161 446 0210 e-mail: info@wmlconsulting.com www.wmlconsulting.com				
Drawing No.	Originator	Volume	Level	Type
9670	- WML - ZZ -	XX -	DR -	C -
Role				Number
1001				T01