

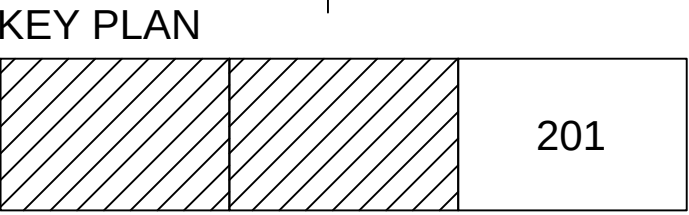


DRAWING LEGEND	
SURFACE WATER DRAINAGE	
CL ## IL ##	PRECAST CONCRETE RING MANHOLE (OVER 1.5m DEPTH TO SOFFIT, CP DENOTED CATCHPIT)
CL ## IL ##	BRICK OR PRECAST CONCRETE SECTION MANHOLE (1.2m - 1.5m DEPTH TO SOFFIT)
YG	YARD GULLY
CL ## IL ##	SHALLOW INSPECTION CHAMBER (MAX 0.6m DEPTH TO INVERT)
CL ## IL ##	INSPECTION CHAMBER (MAX 1.2m DEPTH TO INVERT, CP DENOTES CATCHPIT)
---	SURFACE WATER SEWER BUILT TO AN ADOPTABLE STANDARD
RG	GULLY AND 150mm DIAMETER CONNECTION
	PERMEABLE BLOCK PAVED PARKING BAY CONSTRUCTION
	PERMEABLE BLOCK PAVED ROAD CONSTRUCTION
	4500 CATCHPIT WITH FORMPAVE DISTRIBUTION TANK
channel	100mm WIDE CHANNEL DRAIN WITH B125 HEAL GUARD GRATING AND TRAPPED GULLY OUTLET
	AQUACELL SOAKAWAY
	TRENCH SOAKAWAY
FOUL WATER DRAINAGE	
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CL ## IL ##	BRICK OR PRECAST CONCRETE SECTION MANHOLE (1.2m - 1.5m DEPTH TO SOFFIT)
CL ## IL ##	INSPECTION CHAMBER (MAX 1.2m DEPTH TO INVERT)
CL ## IL ##	SHALLOW INSPECTION CHAMBER (MAX 0.6m DEPTH TO INVERT)
---	FOUL WATER SEWER BUILT TO AN ADOPTABLE STANDARD
	80mm DIA PRESSURE RATED MDPE RISING MAIN INSTALLED GENERALLY WITH 1.2m COVER
PROPOSED BUILDING FINISHED FLOOR LEVEL	
FFL 51.10	
	MASONRY RETAINING WALL
	ADDITIONAL FACE BRICKWORK
	INTEGRAL RETAINING WALL/RAISED DPC
	LOG RETAINING WALL
	CONCRETE GRAVEL BOARDS (RETAINING) AND 1.8m HIGH CLOSE BOARD FENCE

- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER SWP DRAWINGS, AND WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATION AND ANY DISCREPANCIES FOUND ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
 - NO DIMENSIONS ARE TO BE SCALED FROM THIS DRAWING. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METRES FROM THE SITE DATUM.
 - ALL DIMENSIONS TO BE CHECKED ON SITE. ALL DETAILS AND DIMENSIONS RELATING TO SUB-CONTRACTORS WORK MUST BE CHECKED AND AGREED BETWEEN THE SUB-CONTRACTOR OR SUPPLIER AND THE GENERAL CONTRACTOR.
 - THE ELECTRONIC INFORMATION FROM THIS DRAWING CAN NOT BE GUARANTEED AS DIMENSIONALLY DRAWN EXACT. FIGURED DIMENSIONS MUST BE USED FOR SETTING OUT AND DETAILING. SWP LOGOS AND COMPANY INFORMATION MUST BE REMOVED FROM COPIES IF INFORMATION IS RE-USED.
 - THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS, AND IS ALSO RESPONSIBLE FOR THE SAFE MAINTENANCE AND STABILITY OF EXISTING BUILDINGS AT ALL TIMES.
 - THE MAIN CONTRACTOR IS RESPONSIBLE FOR DEALING WITH ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
 - ANY INFORMATION GIVEN REGARDING EXISTING UNDERGROUND SERVICES IS GIVEN IN GOOD FAITH AFTER CONSULTATION WITH THE RELEVANT AUTHORITY. HOWEVER, ACCURACY IS NOT CERTAIN. THE MAIN CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL INFORMATION ON SITE PRIOR TO WORK COMMENCING AND TAKING DUE CARE AND ATTENTION WHILST UNDERTAKING THE WORKS.
 - THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.
 - ALL PRODUCTS SPECIFIED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN THAT INFORMATION AND THE DETAILS ON ANY SWP DRAWINGS, THE MANUFACTURERS INSTRUCTIONS MUST BE USED.

- DRAINAGE NOTES:
- ALL DRAINAGE WORKS TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH SPECIFICATION OF THE LOCAL AUTHORITY. BUILDING REGULATIONS, SEWERS FOR ADOPTION, BS5930 & BS EN 12221.
 - FOR LOCATION AND SETTING OUT OF BUILDING DRAINAGE POINTS REFER TO ARCHITECTS DRAWINGS.
 - ALL PIPE RUNS NEAR BUILDINGS TO COMPLY WITH THE BUILDING REGULATIONS 2002 PART M4. WHERE A PIPE IS WITHIN 1m OF A FOUNDATION THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION, WHERE THE TRENCH IS FURTHER THAN 1m FROM THE FOUNDATION, THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE FOUNDATION EQUAL TO THE DISTANCE FROM THE FOUNDATION LESS 150mm. IN BOTH CASES THE PIPE SHALL BE BEDDED AND SURROUNDED IN 150mm THICK CLASS GEN3 CONCRETE.
 - WHERE PIPES, EXTERNAL TO THE STRUCTURES, HAVE A DEPTH TO SOFFIT FROM GROUND LEVEL OF LESS THAN 450mm THEY SHALL HAVE A CLASS GEN3 CONCRETE ENCASEMENT (150mm THICK).
 - WHERE A PIPE, UNDER A CARRIAGEWAY, HAS A DEPTH OF COVER OF LESS THAN 1.2m THE PIPE SHALL BE LAID WITH A CONCRETE BED AND SURROUND.
 - IN ANY CIRCUMSTANCES WHERE PIPES ARE BEDDED AND SURROUNDED IN CONCRETE FLEXIBLE JOINTS SHOULD BE PROVIDED. COMPRESSIBLE BOARDS (FIBREBOARD OR POLYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 8m CENTRES (COINCIDING WITH PIPE JOINTS). THE BOARDS SHALL BE PRE-CUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. A BOARD THICKNESS OF 18mm FOR PIPES UP TO 450mm NOMINAL DIAMETER AND 36mm FOR PIPES OVER 450mm NOMINAL DIAMETER.
 - ALL PRIVATE BUILDING DRAINAGE SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH BS EN 752-1. UNLESS OTHERWISE SPECIFIED BUILDING DRAINAGE SHALL BE 100mm DIAMETER AND SHALL BE LAID AT A MINIMUM GRADIENT OF $\epsilon_{LUS} = 1$ IN 400 $\epsilon_{LUS} = 1$ IN 80 FOR FOUL DRAINS AND 1 IN 80 FOR SURFACE WATER DRAINS. ALL BUILDING DRAINS SHALL BE LAID IN CONJUNCTION WITH NON ADOPTIVE BEDDING DETAILS (CLASS D, N OR B) UNLESS OTHERWISE SPECIFIED.
 - PIPES, BENDS AND JUNCTIONS FOR PRIVATE BUILDING DRAINAGE SHALL BE UPVC CONFORMING TO BS4660 AND BS5481 AS APPROPRIATE AND SHALL BE LAID IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION. ALL PIPES, BENDS AND JUNCTION MATERIALS FOR ADOPTABLE DRAINAGE SHALL BE VITRIFIED CLAY, EXTRA STRENGTH OR SUPER STRENGTH TO BS EN 295, WITH FLEXIBLE JOINTS AND KITEMARK CERTIFIED. ALL PIPES OVER 300mm DIAMETER ARE TO BE PRECAST CONCRETE IN ACCORDANCE WITH BS 5911.
 - ALL BACK INLET GULLIES TO BE ROADABLE OR CONNECTED TO INSPECTION CHAMBERS.
 - ALL GULLY CONNECTIONS OTHER THAN AT MANHOLES TO BE 'Y' JUNCTIONS.
 - ALL ROAD GULLY CONNECTIONS TO BE 150mm DIAMETER.
 - ALL STUB STACKS TO BE FITTED WITH AIR ADMITTANCE VALVES WHERE BRANCH DRAIN EXCEEDS 12m EXCEPT AT THE HEAD OF THE RUN. SOIL VENT PIPES LOCATED AT THE HEAD OF A RUN TO TERMINATE TO FRESH AIR.
 - ALL CONNECTIONS TO BE SOFFIT TO SOFFIT UNLESS OTHERWISE NOTED.
 - ALL CONCRETE AND CONCRETE PRODUCTS TO BE IN ACCORDANCE WITH BRE 363 FOR SULPHATES.
 - THE LOCATIONS OF ALL SVPS AND RWPS SHALL BE CROSS REFERENCED AGAINST THE ARCHITECTS DRAWINGS DURING SETTING OUT.
 - BEFORE CONNECTIONS ARE MADE TO EXISTING PUBLIC SEWERS AN APPLICATION UNDER S108 MUST BE MADE TO THAMES WATER AND THE CONTRACTOR UNDERTAKING THE WORKS MUST COMPLY WITH CONDITIONS APPLIED TO THE CONSENT.
 - THE PRECISE DEPTH AND LOCATION AND SIZE OF EXISTING PIPES OR MANHOLES WHERE CONNECTIONS OR DIVERSION ARE PROPOSED MUST BE CONFIRMED AND REPORTED TO THE ENGINEER AT THE EARLIEST OPPORTUNITY PRIOR TO LAYING ANY NEW DRAINAGE.
 - COVER LEVELS SHOWN ARE APPROXIMATE AND SHALL TO BE ADJUSTED ON SITE TO SUIT FINAL LEVELS.
 - ALL PATIOS AREAS ARE TO HAVE A TRAPPED GULLY CONNECTED TO THE SURFACE WATER DRAINAGE SYSTEM.

COLOURED
DRAWING
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CLIENT	PMC CONSTRUCTION LTD		
ARCHITECT	ECE		
JOB TITLE	TODDINGTON LANE LITTLEHAMPTON		
DRAWING TITLE	SITE LAYOUT DRAINAGE AND LEVELS SHEET 1 OF 3		
SCALE AT A1	DATE	DRAWN	JOB No.
1:200	APR 14	GM	E5589
	ENG.	CHECKED	DRAWING No.
	GM	-	201
			REV.
			B

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