

	Foul water sewer/drain
	Storm water sewer/drain
	Storm water land drain
	Soil stack (Type TBC by Architect/m&e engineer)
	Foul water inspection chamber (450Ø)
	Foul water manhole
	Threshold Drain
	Channel Drain
	Rainwater pipe
	Storm water rodding eye
	Yard gully
	Road gully
	Storm water access chamber (300Ø)
	Storm water inspection chamber (450Ø)
	Rainwater diffuser unit by SEL
	Fin Drain
	Block paving tanked porous parking area
	Geocellular attenuation tank
	Storm water manhole
	RPZ Area
	Finished floor level

1000 4.5m 1:100
Z BED

Pipe info - Diameter, Length, Gradient, Bedding type

ABBREVIATIONS

CP	- CATCHPIT
MH	- MANHOLE
IC	- INSPECTION CHAMBER
AC	- ACCESS CHAMBER
RE	- RODDING EYE
IL	- INVERT LEVEL
SL	- SUMP LEVEL
CL	- COVER LEVEL

DESIGN SUBJECT TO THE CONFIRMATION OF:
ORDINARY WATERCOURSE APPROVAL

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STANDARD NOTES

1. DO NOT SCALE FROM THIS DRAWING. REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK EACH DIMENSION ON SITE.
2. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECS.
4. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
5. BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE PROPOSED. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION.
6. ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT, THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT LEVELS TO THE ENGINEER. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
7. COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
8. ALL UN-REFERENCED PIPES ARE ASSUMED TO BE 100mm DIA.
9. ROAD GULLY OUTLET PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL GULLIES SHALL BE FITTED WITH GRADE DOWNGRADINGS AND FRAMES TO BE SET TO FINISHED GROUND LEVEL UNLESS OTHERWISE STATED.
10. ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
11. THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
12. IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. SUB SOIL DRAINS ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFACE WATER.
13. NO PRIVATE AREAS ARE TO DRAIN ONO ADAPTABLE AREAS AND VICE VERSA.
14. ALL EXISTING MANHOLE COVERS, GULLIES, ETC. ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.
15. MANHOLE AND CHAMBER COVER GRADES:
 - 'A15' IN ALL LANDSCAPED AREAS AND ON FOOTPATHS
 - 'B125' IN ALL DRIVEWAYS
 - 'C250' IN PRIVATE PARKING AREAS
 - 'D400' IN CARRIAGEWAY/ACCESS ROADS
16. SURFACE WATER PIPES TO BE STRUCTURED TWIN WALL OR UPVC.
17. ALL FOUL WATER PIPES TO BE UPVC-CR OR CLAY.
18. ALL PIPE JUNCTIONS TO BE OBLOQUE. SQUARE JUNCTIONS ARE NOT PERMITTED

B	28.10.21	REVISED TO SUIT PLANNING COMMENTS	LH	CS	CS
A	27.08.20	REVISED POROUS PARKING AREAS	LH	CS	CS
P5	28.01.20	UPDATED TO SUIT ADC COMMENTS	LH	CS	CS
P4	16.01.20	UPDATED TO SUIT ADC COMMENTS	LH	CS	CS
P3	05.12.19	UPDATED CULVERT	LH	CS	CS
P2	25.11.19	UPDATED DRAINAGE LAYOUT	LH	CS	CS
P1	03.09.19	MINOR REVISIONS TO SUIT EXTERNAL WORKS LAYOUT	LH	CS	CS
P.	18.09.19	PRELIMINARY ISSUE	LH	CS	CS
REV	DATE	DESCRIPTION	BY	CHK	APP



CLIENT			
GD GROUP			
ARCHITECT			
CITYZEN			
JOB TITLE			
MERRY ENGLAND ANGMERING			
DRAWING TITLE			
DRAINAGE LAYOUT			
DRAWN	ENGINEER	CHECKED	APPROVED
LH	CS	CS	
DATE		SCALE @ 1	1:200
SEPT 2019			
JOB No.	STATUS	DRAWING No.	REV.
C1249	C	100	B

CONSTRUCTION