

DRAINAGE LEGEND (1:200)

- Foul water sewer/drain
- Storm water sewer/drain
- Storm water land drain
- Soil stack (Type TBC by Architect & engineer)
- Foul water inspection chamber (4500)
- Foul water manhole
- Threshold Drain
- Channel Drain
- Rainwater pipe
- Storm water rodding eye
- Yard gully
- Road gully
- Storm water access chamber (3000)
- Storm water inspection chamber (4500)
- Rainwater diffuser unit by SEL
- Fin Drain
- Block paving tanked porous parking area

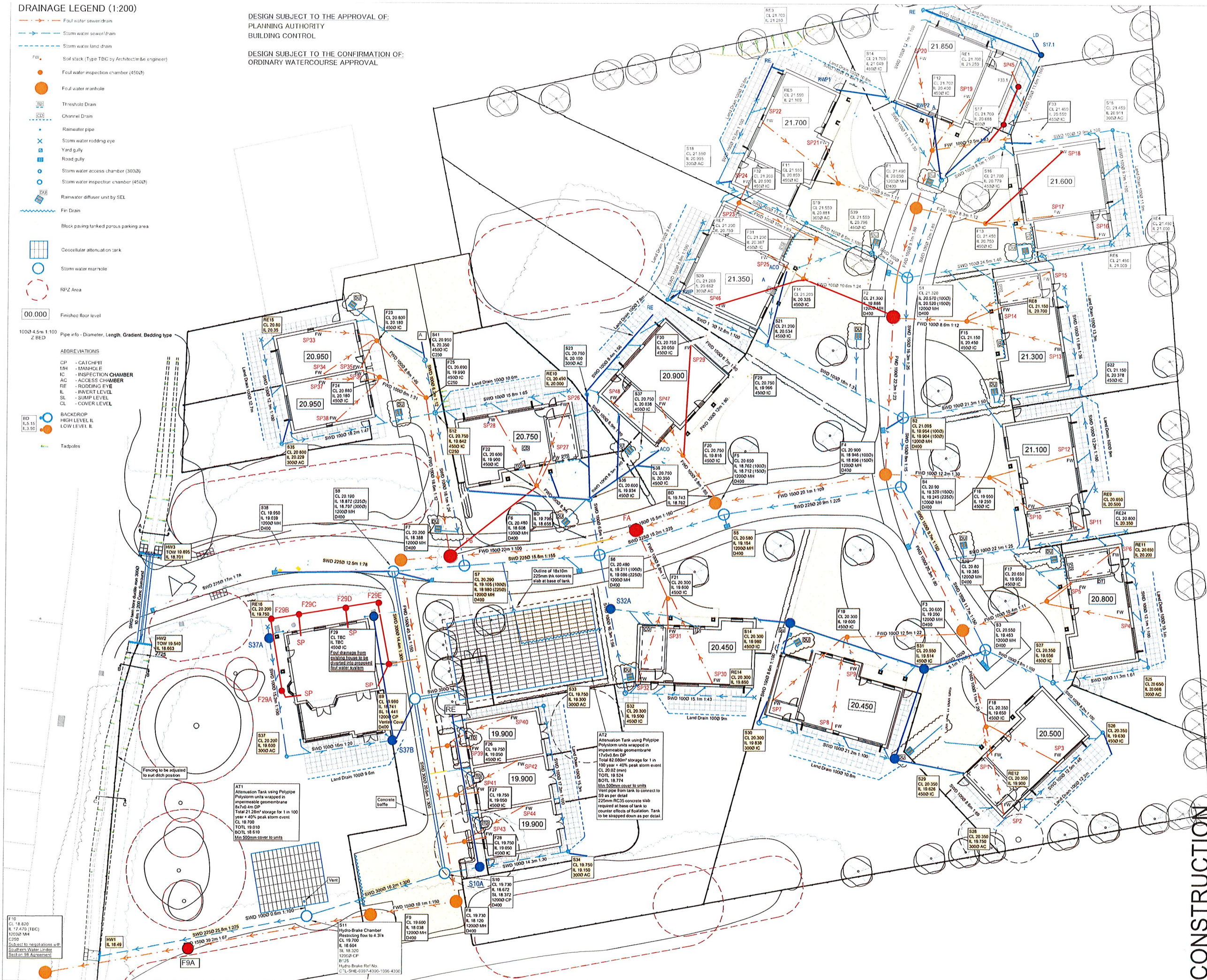
- Geocellular attenuation tank
- Storm water manhole
- RFPZ Area
- Finished floor level

1000 4.5m 1:100
Z BED

- ABBREVIATIONS
- CP - CATCHPI
 - MH - MANHOLE
 - IC - INSPECTION CHAMBER
 - AC - ACCESS CHAMBER
 - RE - RODDING EYE
 - IL - INVERT LEVEL
 - SL - SUMMIT LEVEL
 - CL - COVER LEVEL
 - BACKDROP
 - HIGH LEVEL IL
 - LOW LEVEL IL
 - Tadpoles

DESIGN SUBJECT TO THE APPROVAL OF:
PLANNING AUTHORITY
BUILDING CONTROL

DESIGN SUBJECT TO THE CONFIRMATION OF:
ORDINARY WATERCOURSE APPROVAL



- STANDARD NOTES
- DO NOT SCALE FROM THIS DRAWING. REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
 - ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
 - ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
 - 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.
 - ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT. THE WORKS CONTINUING UPSTREAM FOR FLOWING 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.
 - COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
 - ALL UN-REFERENCED PIPES ARE ASSUMED TO BE 100mm DIA.
 - ROAD GULLY OUTLET PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
 - ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
 - 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.
 - 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.
 - NO PRIVATE AREAS ARE TO DRAIN ONTO ADAPTABLE AREAS AND VICE VERSA.
 - ALL EXISTING MANHOLE COVERS, GULLIES, ETC. ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.
 - 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 ROAD
 - SURFACE WATER PIPES TO BE STRUCTURED TWIN WALL OR UPVC. ALL FOUL WATER PIPES TO BE UPVC OR CLAY.
 - ALL PIPE JUNCTIONS TO BE OBLIQUE. SQUARE JUNCTIONS ARE NOT PERMITTED.

REV	DATE	DESCRIPTION	BY	CHK	APP
A	27.09.20	REVISED POROUS PARKING AREAS	LH	CS	CS
P5	26.01.20	UPDATED TO SUIT ADD COMMENTS	LH	CS	CS
P4	16.01.20	UPDATED TO SUIT ADD 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

<p>cgs civils Consulting Civil Engineers</p>					
CLIENT		GD GROUP			
ARCHITECT		CITYZEN			
JOB TITLE		MERRY ENGLAND ANGMERING			
DRAWING TITLE		DRAINAGE LAYOUT			
DRAWN	LH	ENGINEER	CS	CHECKED	CS
DATE	SEPT 2019		1:200		
DRAWING No.	C1249	STATUS	C	DRAWING No.	100
REV	A				

CONSTRUCTION