

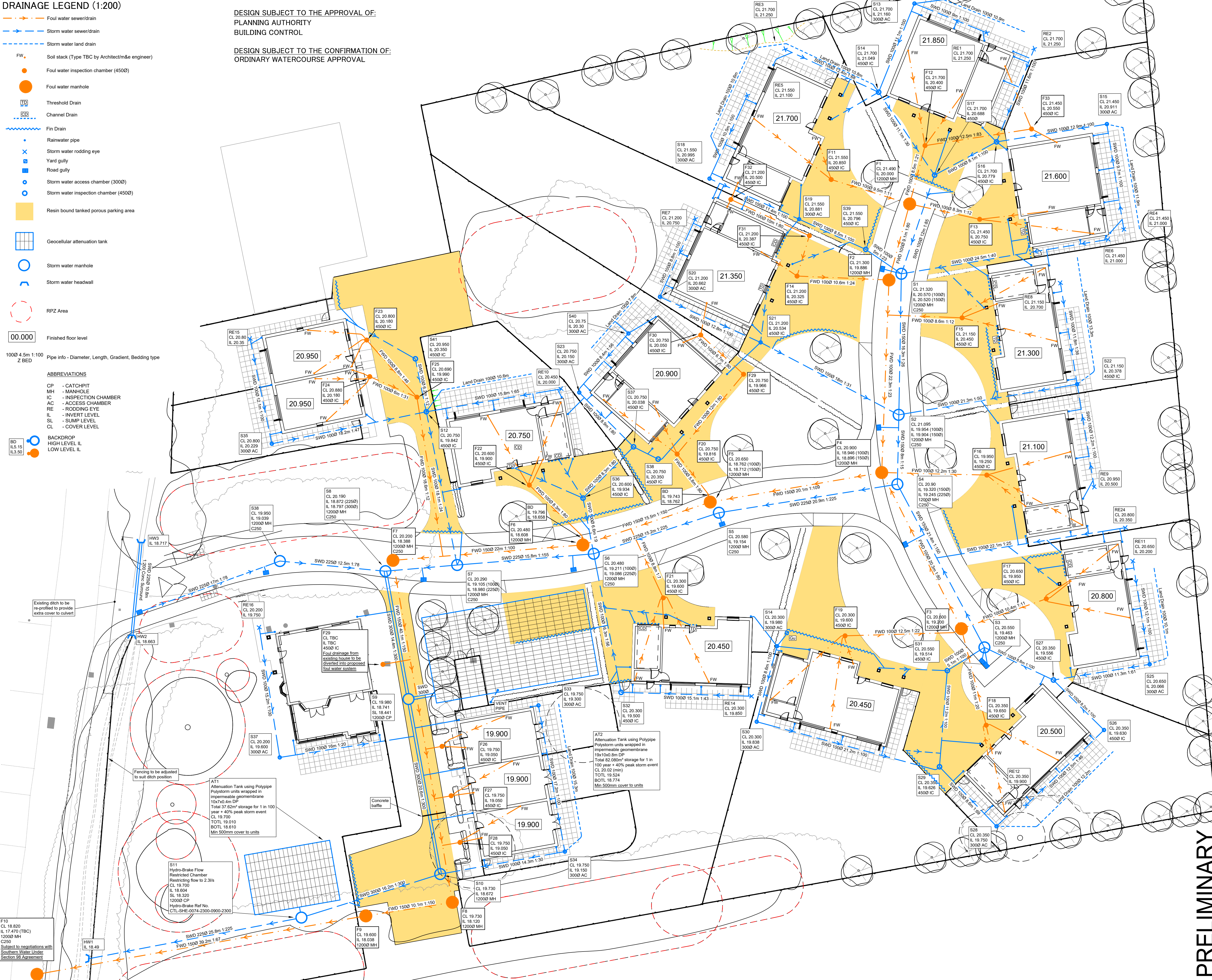
DRAINAGE LEGEND (1:200)

- Orange dashed line with arrows: Foul water sewer/drain  
Blue dashed line with arrows: Storm water sewer/drain  
Blue dashed line: Storm water land drain  
FW: Soil stack (Type TBC by Architect/m&e engineer)  
Orange circle: Foul water inspection chamber (4500)  
Orange circle with cross: Foul water manhole  
Blue circle with cross: Threshold Drain  
Blue dashed line: Channel Drain  
Blue dashed line with wavy line: Fin Drain  
Blue dashed line with 'x': Rainwater pipe  
Blue dashed line with 'x': Storm water rodding eye  
Blue dashed line with 'x': Yard gully  
Blue dashed line with 'x': Road gully  
Blue dashed line with 'x': Storm water access chamber (3000)  
Blue dashed line with 'x': Storm water inspection chamber (4500)  
Yellow rectangle: Resin bound tanked porous parking area  
Blue rectangle with grid: Geocellular attenuation tank  
Blue circle: Storm water manhole  
Blue dashed line with 'x': Storm water headwall  
Red dashed circle: RPZ Area  
00.000: Finished floor level  
1000 4.5m 1:100 Z BED: Pipe info - Diameter, Length, Gradient, Bedding type

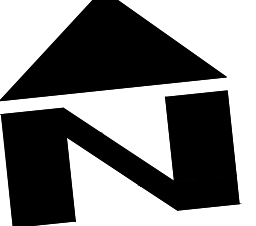
- ABBREVIATIONS  
CP - CATCHPIT  
MH - MANHOLE  
AC - ACCESS CHAMBER  
RE - RODDING EYE  
IL - INVERT LEVEL  
SL - SUMP LEVEL  
CL - COVER LEVEL  
BD - BACKDROP  
HIGH LEVEL IL  
LOW LEVEL IL

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 SEWERS 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 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.
  - 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 ADOPTABLE 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 AND PRIVATE PARKING AREAS
    - 'C250' IN CARRIAGEWAY/ACCESS ROAD



PRELIMINARY  
NOT FOR CONSTRUCTION

|    |          |                                               |    |    |    |
|----|----------|-----------------------------------------------|----|----|----|
| 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<br>ANGMERING |          |
| DRAWING TITLE   |            |                            |          |
| DRAINAGE LAYOUT |            |                            |          |
| DRAWN           | ENGINEER   | CHECKED                    | APPROVED |
| LH              | CS         | CS                         |          |
| DATE            | SCALE @ A1 |                            |          |
| SEPT 2019       | 1:200      |                            |          |
| JOB No.         | STATUS     | DRAWING No.                | REV.     |
| C1249           | P          | 100                        | P2       |

PRELIMINARY