## DRAINAGE LEGEND

### EXISTING FEATURES

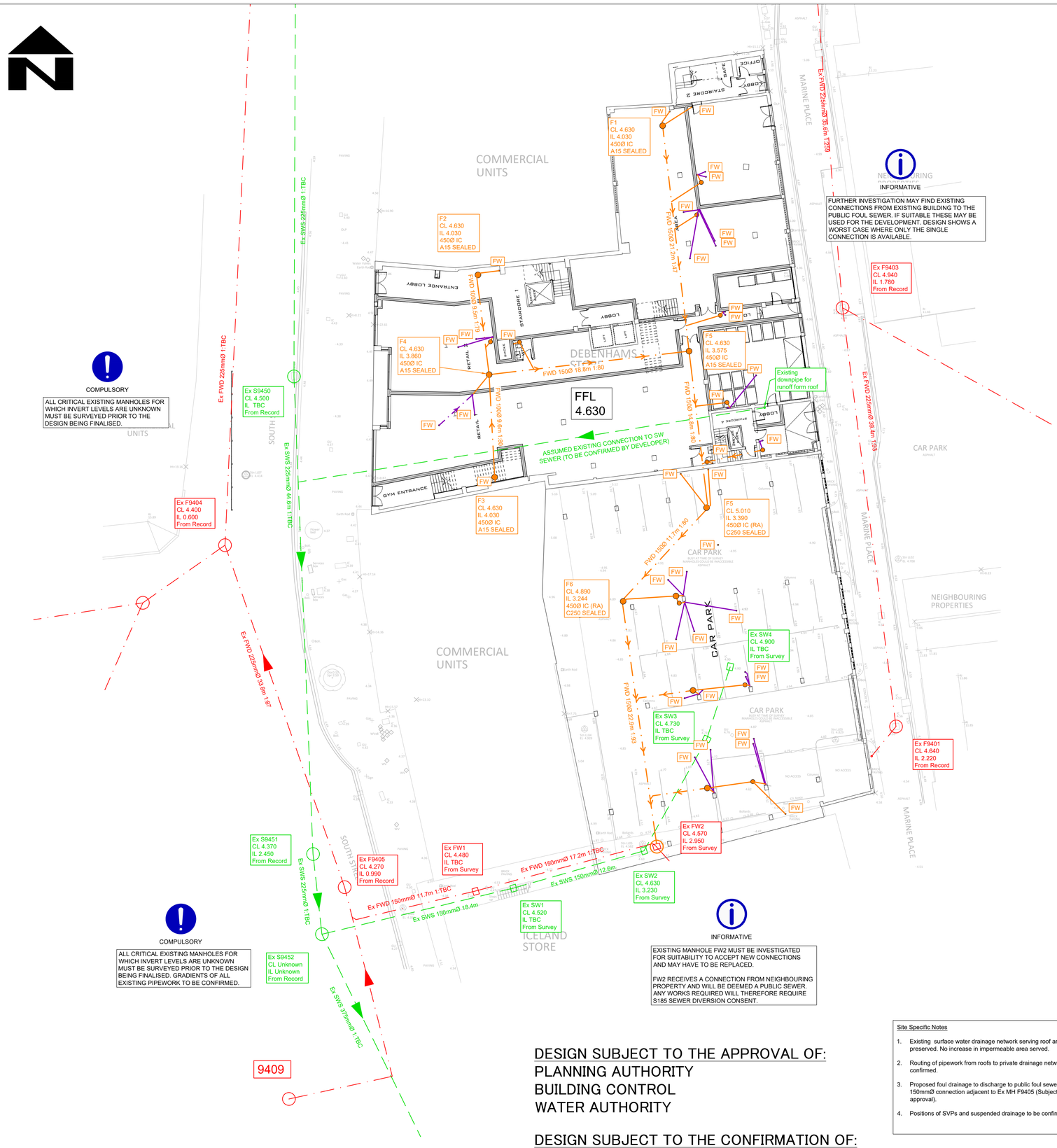
- Ex FWD — Existing foul water sewer/drain and manhole
- Ex SWD — Existing surface water sewer/drain and manhole
- Existing foul/surface water sewer/drain and manhole to be abandoned

### PROPOSED FEATURES

- Suspended Foul Drainage
- FWD — Foul Drainage
- Foul Rising Main
- SWD — Surface Water Drainage
- Pipe crossing (thickening denotes pipe above)
- CD — Channel drain
- Rainwater pipe
- Storm water access chamber (300Ø)
- Storm water inspection chamber (450Ø)
- Storm water manhole (1050Ø)
- Storm water catchpit chamber (450Ø)
- Storm water rodding eye
- Road gully
- Yard gully
- FW • Soil stack (type TBC by architect/m&e engineer)
- Foul water access chamber (300Ø)
- Foul water inspection chamber (450Ø)
- FG ■ Trapped foul gully
- 00.000 Finished floor level
- 100Ø 4.5m 1:100 Z BED — Pipe info - diameter, length, gradient, bedding type

ABBREVIATIONS

| | |
|---|---|
| MH | - MANHOLE |
| IC | - INSPECTION CHAMBER |
| AC | - ACCESS CHAMBER |
| CP | - CATCHPIT |
| BC | - BRAKE CHAMBER |
| RE | - RODDING EYE |
| IL | - INVERT LEVEL |
| SL | - SUMP LEVEL |
| RA | - RESTRICTED ACCESS COVER |
| CL | - COVER LEVEL |
| TL | - TOP OF CELLULAR SA |
| BL | - BASE OF CELLULAR SA |
| FL | - FORMATION LEVEL |




COMPULSORY

ALL CRITICAL EXISTING MANHOLES FOR WHICH INVERT LEVELS ARE UNKNOWN MUST BE SURVEYED PRIOR TO THE DESIGN BEING FINALISED.

INFORMATIVE

FURTHER INVESTIGATION MAY FIND EXISTING CONNECTIONS FROM EXISTING BUILDING TO THE PUBLIC FOUL SEWER. IF SUITABLE THESE MAY BE USED FOR THE DEVELOPMENT. DESIGN SHOWS A WORST CASE WHERE ONLY THE SINGLE CONNECTION IS AVAILABLE.

COMPULSORY

ALL CRITICAL EXISTING MANHOLES FOR WHICH INVERT LEVELS ARE UNKNOWN MUST BE SURVEYED PRIOR TO THE DESIGN BEING FINALISED. GRADIENTS OF ALL EXISTING PIPEWORK TO BE CONFIRMED.

INFORMATIVE

EXISTING MANHOLE FW2 MUST BE INVESTIGATED FOR SUITABILITY TO ACCEPT NEW CONNECTIONS AND MAY HAVE TO BE REPLACED.

FW2 RECEIVES A CONNECTION FROM NEIGHBOURING PROPERTY AND WILL BE DEEMED A PUBLIC SEWER. ANY WORKS REQUIRED WILL THEREFORE REQUIRE S185 SEWER DIVERSION CONSENT.

## DESIGN SUBJECT TO THE APPROVAL OF:

PLANNING AUTHORITY
BUILDING CONTROL
WATER AUTHORITY

## DESIGN SUBJECT TO THE CONFIRMATION OF:

FOUL DRAINAGE POINTS
ROOF DRAINAGE ROUTING
LOCATION AND DEPTH OF EXISTING UTILITIES

**Site Specific Notes**

1. Existing surface water drainage network serving roof areas to be preserved. No increase in impermeable area served.
2. Routing of pipework from roofs to private drainage network to be confirmed.
3. Proposed foul drainage to discharge to public foul sewer via existing 150mmØ connection adjacent to Ex MH F9405 (Subject to S106 approval).
4. Positions of SVPs and suspended drainage to be confirmed.

### STANDARD DRAINAGE NOTES

1. DO NOT SCALE FROM THIS DRAWING, REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS 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 SPECIFICATIONS.
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 TO BE 100mm DIA
9. ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, TO BE VITRIFIED CLAY TO BS EN 295 AND BS65 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1916 AND BS5911:PART 1.
10. 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.
11. ALL ADOPTABLE SEWERS SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATION LAID DOWN DOWN IN 'SEWERS FOR ADOPTION' 6th EDITION, WITH A VIEW TO ADOPTION UPON COMPLETION OF WORKS.
12. ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
13. 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.
14. STUB CONNECTIONS TO ADOPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES LAID AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
15. 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.
16. NO PRIVATE AREAS ARE TO DRAIN ONTO ADOPTABLE AREAS AND VICE VERSA.
17. ALL EXISTING MANHOLE COVER'S, GULLIES, ETC, ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.
18. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING SERVICES AND UTILITIES THAT MAY BE PRESENT
19. UPON COMPLETION BUT PRIOR TO HANDOVER, CONTRACTOR TO CARRY OUT FULL CCTV SURVEY OF DRAINAGE SYSTEM WHICH IS TO BE REVIEWED BY ENGINEER TO ENSURE SATISFACTORY INSTALLATION
20. 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

Prefixed to drawing numbers shall signify the following:-

| | |
|---|---|
| PL = PLANNING | **Shall not be used for contract or construction purposes** |
| P = PRELIMINARY | **Shall not be used for contract or construction purposes** |
| T = TENDER | **Shall not be used for construction purposes** |
| C = CONSTRUCTION | These are the only drawings that shall be used for construction purposes |
| R = RECORD | Record of actual completed work |

| REV | DATE | DESCRIPTION | BY | CHK | APP |
|---|---|---|---|---|---|
| PL2 | 10.06.24 | Existing surface water revised | SFC | CS | CS |
| PL1 | 03.04.24 | ISSUED FOR PLANNING | SFC | CS | CS |

cgs civils
Consulting Civil Engineers

CLIENT: CRAIG CONSTRUCTION

ARCHITECT: CITYZEN

JOB TITLE: 14-20 SOUTH STREET WORTHING

DRAWING TITLE: PROPOSED DRAINAGE LAYOUT

| DRAWN | ENGINEER | CHECKED | APPROVED |
|---|---|---|---|
| SFC | SFC | CS | CS |

| DATE | SCALE @ A1 |
|---|---|
| Apr' 24 | 1:200 |

| JOB No. | STATUS | DRAWING No. | REV. |
|---|---|---|---|
| C2994 | PL | 101 | 2 |

FOR PLANNING ONLY