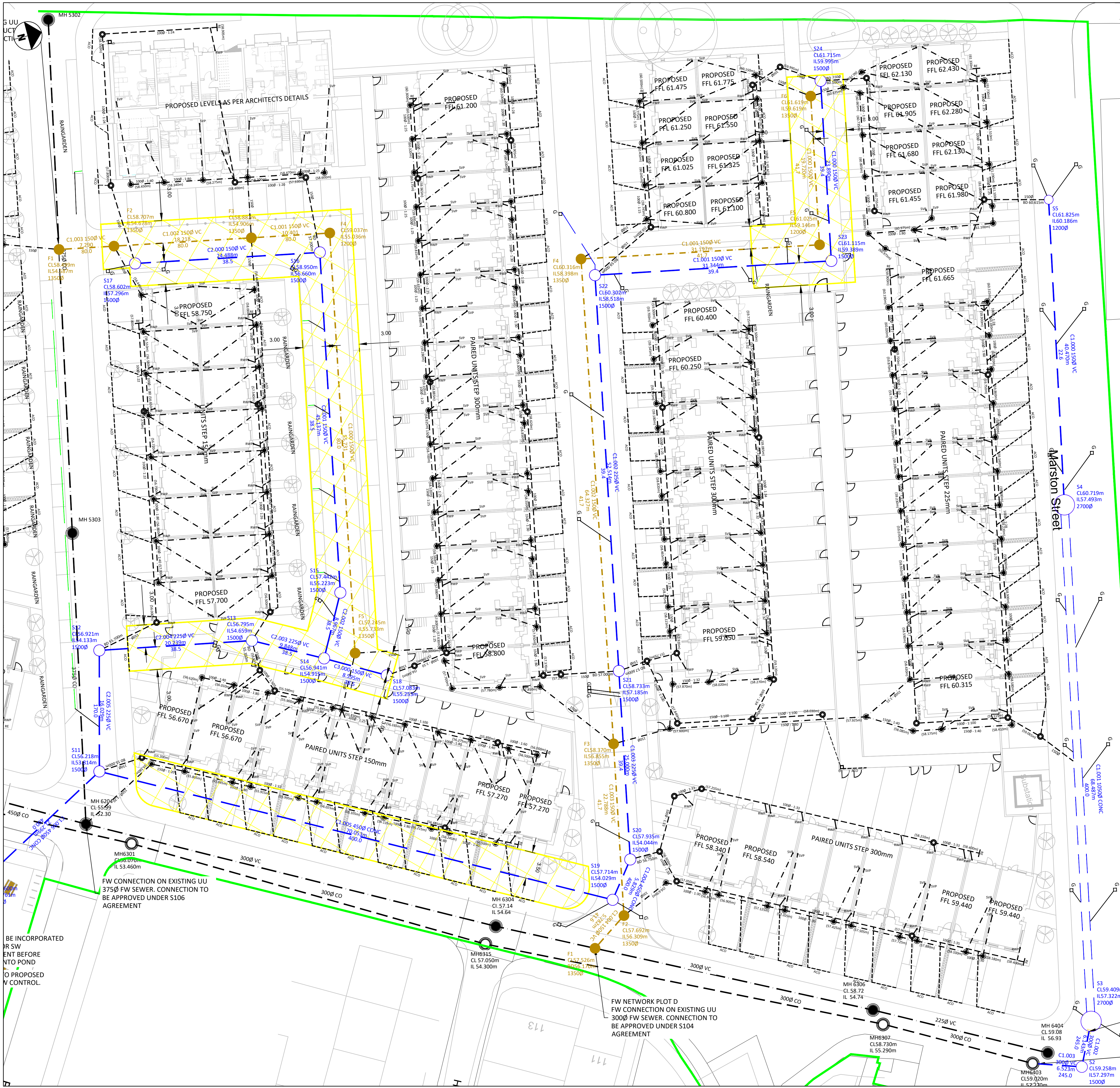




IMPORTANT NOTES

- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
- ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE AND UNITED UTILITIES DETAILS & GUIDELINES.
- THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADAPTABLE HIGHWAYS SHALL BE 150mm.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARD TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES.
- THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES.
- EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES.
- ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES.
- ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVIDES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS 3).
- ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
- WHERE 'ULTRA RIF' UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADAPTABLE DRAINAGE THEY SHALL STILL BE HANDED AND LAD IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
- A CLASS 3 BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL 4.3.4.
- ALL LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
- DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN:  

| HEAD RUN  | FOUL    | S.W.     |
|-----------|---------|----------|
| ELSEWHERE | 1 IN 40 | 1 IN 60  |
|           | 1 IN 80 | 1 IN 100 |
- ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE.
- ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT.
- SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2No. 45 DEG BENDS (800mm TO INVERT FROM FFL).
- MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET-OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES.
- ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION.
- ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS.
- ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER.
- ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT.
- STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
- EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
- LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.
- FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER.
- CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE.
- ALL BURIED CONCRETE TO BE SULPHATE CLASSIFICATION - DS-1.
- ELEMENTS OF THE PROPOSED HARDSTANDING DRAIN TO THE SOFT LANDSCAPING FEATURES THROUGHOUT THE DEVELOPMENT.

Standard Notes

- This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.
- This drawing should not be scaled.
- All dimensions are to be verified by the contractor on site.
- All discrepancies should be reported to the C.A. prior to the commencement of the works.

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Notes and Keys

- EXISTING FOUL WATER MANHOLE/SEWER
- EXISTING SURFACE WATER DRAIN MANHOLE /SEWER
- PROPOSED FOUL WATER MANHOLE/SEWER
- PROPOSED SURFACE WATER DRAIN MANHOLE/SEWER
- PROPOSED SW PPIC (ALL 450mm UNLESS OTHERWISE STATED)
- PROPOSED FW PPIC (ALL 450mm UNLESS OTHERWISE STATED)
- PROPOSED GULLY
- ACO CHANNEL (OR EQUIVALENT)
- PROPOSED RWP WITH TRAPPED GULLY
- PROPOSED SOIL VENT PIPE

|          |     |                                        |       |      |
|----------|-----|----------------------------------------|-------|------|
| 11.11.21 | P08 | UPDATED FOLLOWING UUI S104 APPRAISAL   | TC    | PM   |
| 18.08.21 | P07 | LATEST LANDSCAPE ARCHITECT SITE LAYOUT | TC    | PM   |
| 23.07.21 | P06 | ISSUED FOR INFORMATION                 | TC    | PM   |
| 11.05.21 | P05 | UPDATED TO PLANNING COMMENTS           | RSH   | CFK  |
| 26.01.21 | P04 | LATEST LANDSCAPE ARCHITECT SITE LAYOUT | ZG    | CK   |
| 06.01.21 | P03 | REVISED REDLINE BOUNDARY               | RSH   | PM   |
| 18.12.20 | P02 | ISSUED FOR PLANNING                    | AMG   | PM   |
| 16.12.20 | P01 | ISSUED FOR PLANNING                    | RSH   | PM   |
| Date     | Rev | Description                            | Drawn | Chkd |



MANCHESTER  
LONDON  
LEEDS  
GLASGOW

Carter's Warehouse, 77 Dale Street, Manchester, M1 2HS. Tel: 0161 226 6700  
Riverside Wharf, 33 Mill Street, London SE1 2AA. Tel: 020 7253 2977  
Tower Works, Unit G2 G3, Gosden Road, Leeds, LS11 6JH. Tel: 0113 2025 1100  
Gardens Chambers, 45 West Works, Glasgow, G2 3HT. Tel: 0141 370 1800

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Project  
**COLLYHURST HOUSING MANCHESTER**

Title  
**COLLYHURST VILLAGE PROPOSED DRAINAGE PLAN**

Information

|                              |            |              |       |         |             |
|------------------------------|------------|--------------|-------|---------|-------------|
| Project Number               | Scale @ A1 | Date Created | Drawn | Checked | Suitability |
| 1226-01                      | 1:500      | 17.01.20     | RSH   | PM      | S4          |
| Drawing Number               |            |              |       |         | Revision    |
| 1226-01-CIV-XX-VIL-DR-D-0505 |            |              |       |         | P08         |

SW NETWORK MARSTON ST.  
FLOW CONTROL MANHOLE  
OUTLET RESTRICTED TO 10.0 l/s  
SHE-0132-1000-1950-1000

SW CONNECTION ON EXISTING UU  
300Ø SW SEWER. CONNECTION  
TO BE APPROVED UNDER S104  
AGREEMENT