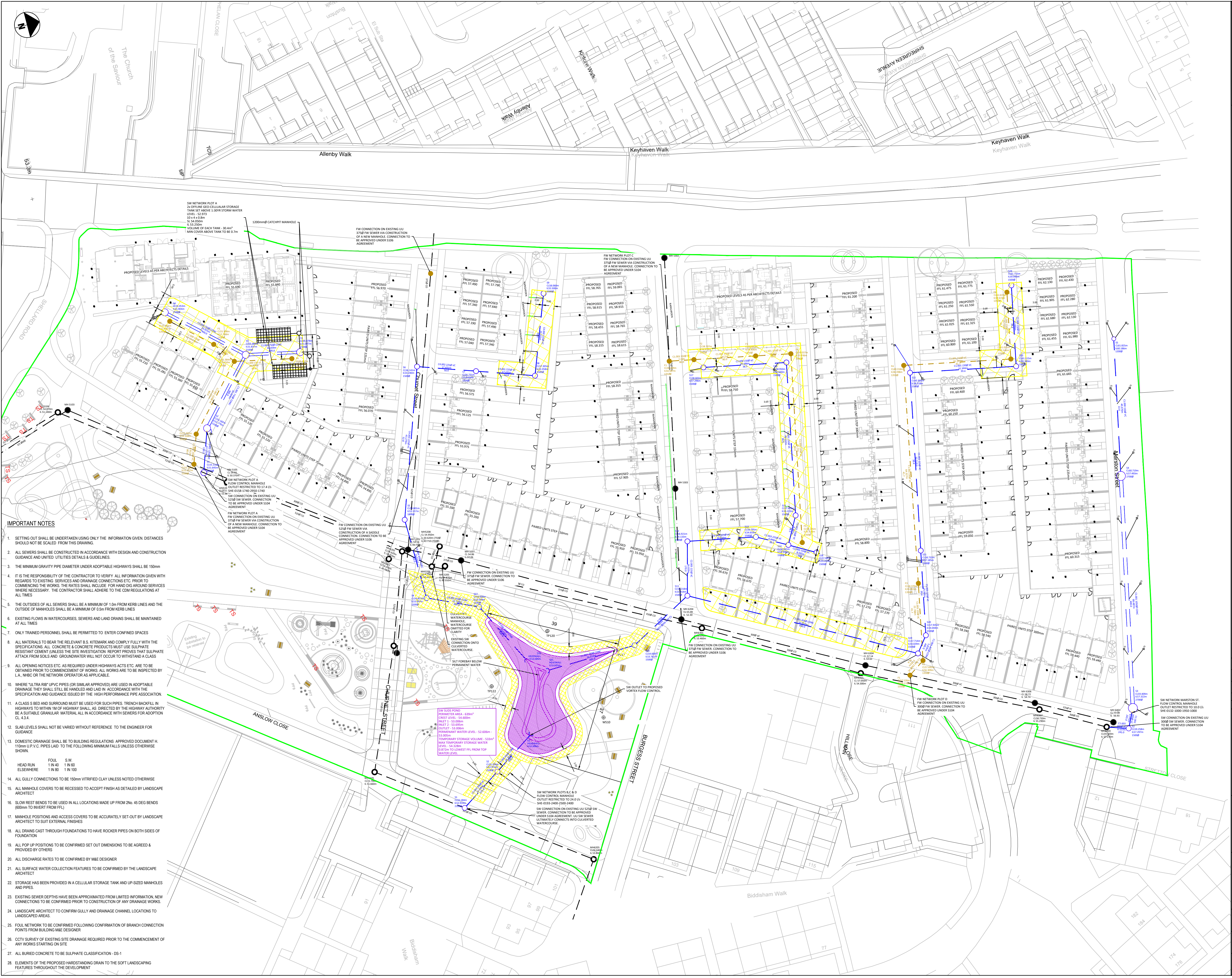




- IMPORTANT NOTES**
- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
 - ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE AND UNITED UTILITIES DETAILS & GUIDELINES.
 - THE MINIMUM GRAVITY PIPE DIAMETER 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 PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITNESS A CLASS).
 - 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 RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADAPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
 - A CLASS 5 SED 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.
 - SLAB 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 FOLL S.W.
ELSEWHERE 1 IN 40 1 IN 80
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 (600mm 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 HARVESTING 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

Date	Rev	Description	Drawn	Chkd
21.01.22	P04	UPDATED FOLLOWING UI S104 APPRAISAL	TC	R/W
11.11.21	P03	UPDATED FOLLOWING UI S104 APPRAISAL	TC	PM
18.08.21	P02	UPDATED LANDSCAPE ARCHITECT SITE LAYOUT	TC	PM
23.07.21	P01	ISSUED FOR INFORMATION	TC	PM

Civic Engineers
MANCHESTER
LONDON
LEEDS
GLASGOW

Project
COLLYHURST HOUSING MANCHESTER

Title
COLLYHURST VILLAGE S104 AGREEMENT

Status
INFORMATION

Project Number	Scale @ A1	Date Created	Drawn	Checked	Suitability
1226-01	1:500	20.07.21	TC	PM	S4

Drawing Number
1226-01-CIV-XX-VIL-DR-D-0506

Revision
P04