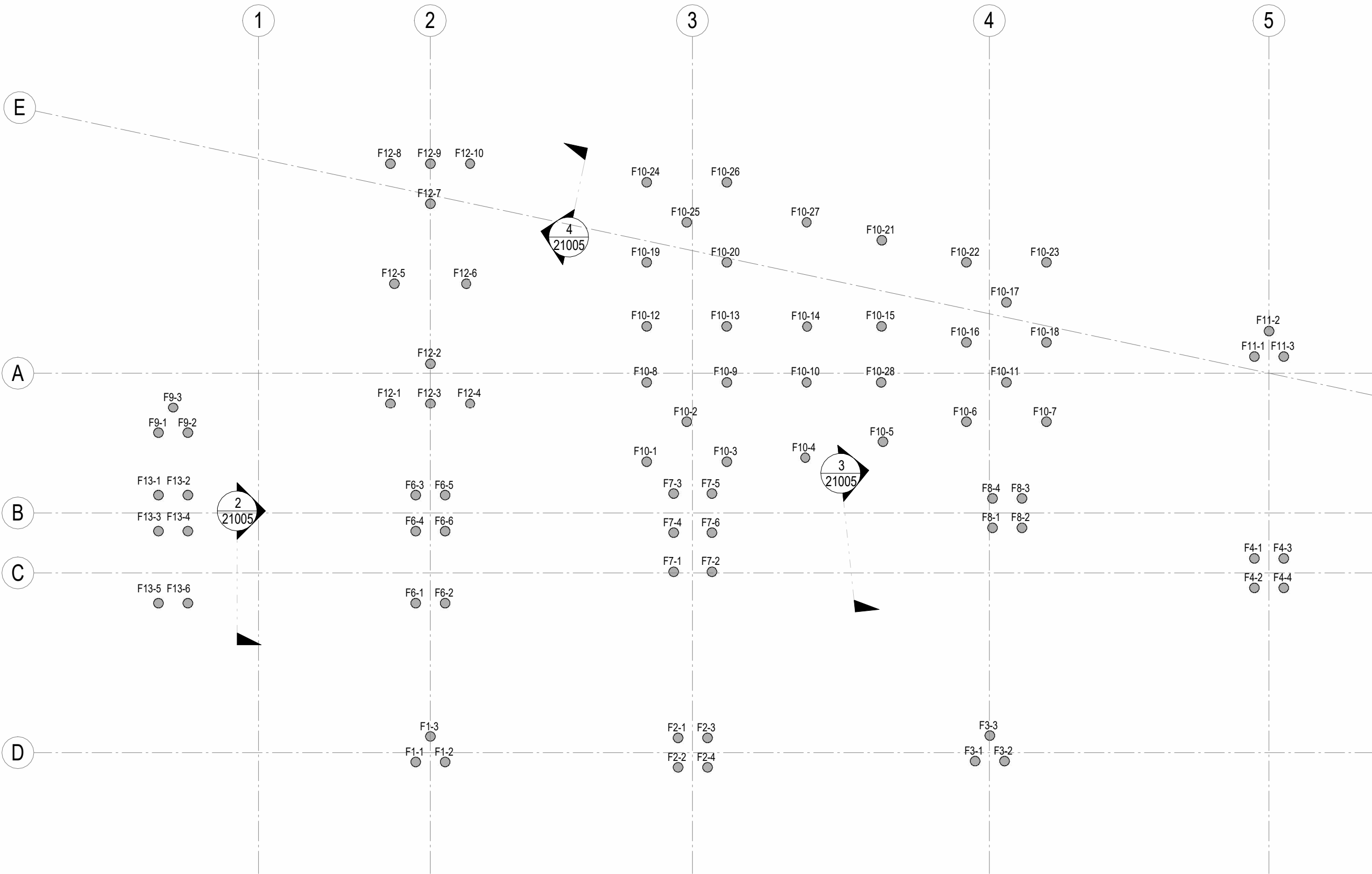




WSL PILING LAYOUT
(1 : 100)

PILE NOTES

- PILES ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH BS EN 1997 & ASSOCIATED UK NA, AND THE ICE SPECIFICATION FOR PILING & EMBEDDED RETAINING WALLS 2017 3rd EDITION (PUBLISHED BY THOMAS TELFORD PUBLISHING) AND AS AMENDED BY THE PROJECT SPECIFICATION.
- PILES ARE ASSUMED TO BE SOCKETED INTO BEDROCK. CONTRACTOR TO REFER TO GEO-ENVIRONMENTAL REPORT FOR FURTHER INFORMATION ON ANTICIPATED BEDROCK LEVELS OVER SITE.
- FOR GENERAL SETTING OUT DIMENSIONS REFER TO ARCHITECTS DRAWINGS.
- FINAL CUT OFF LEVEL FOR ALL PILES TO BE 75mm ABOVE THE UNDERSIDE OF ALL GROUND BEAMS & PILE CAPS.
- POSITIONAL TOLERANCE NOT TO EXCEED 75mm
- VERTICAL TOLERANCE NOT TO EXCEED 1 IN 75.
- PROBING TO BE CARRIED OUT TO FULL DEPTH.
- OBSTRUCTIONS AT DEPTH ARE TO BE DRILLED THROUGH USING THE PILING SYSTEM. FOR ANY OBSTRUCTIONS THAT CANNOT BE DRILLED THROUGH, MOVE TO A NEW PILE LOCATION AND SUBMIT PROPOSALS TO THE MAIN CONTRACTOR AND ENGINEER PRIOR TO ANY PILING OPERATIONS.
- WORKING PLATFORM FOR THE INSTALLATION OF PILES TO BE DESIGNED BY TEMPORARY WORKS ENGINEER. LEVEL OF PLATFORM TO BE ASSUMED AS FORMATION LEVEL.
- PILING CONTRACTOR TO SUBMIT RECORDS FOR ALL PILES TO THE ENGINEER.
- CONTRACTOR TO DESIGN PILING MAT FOR ANTICIPATED PILING RIG AND TO ENSURE THAT THE RELEVANT CERTIFICATES ARE PROVIDED FOR THE DESIGN AND INSTALLATION OF THE MAT.
- PILING CONTRACTOR TO PROVIDE PILING DESIGN & TO LIASE WITH MAIN CONTRACTOR TO ENSURE ADEQUATE SAFE ACCESS FOR PILING RIG IS AVAILABLE TO ALL REQUIRED LOCATIONS.
- MAIN PILING CONTRACTOR TO ALLOW FOR POSITION MONITORING DURING PILING INSTALLATION, CONSTRUCTION OF SUB-STRUCTURE AND SUPERSTRUCTURE TO MONITOR FOR THE RISK OF STRUCTURAL DISTRESS.
- THE PILING CONTRACTOR SHALL COMPLETE 'AS BUILT' INFORMATION SCHEDULED IN THE TABLES ON THE PILE SCHEDULE DRAWINGS PROVIDING PILE DIAMETERS, TOE LEVELS AND ACTUAL LOCATIONS AS CAST OF THE CENTRE LINE OF PILES ON THE PILING CONTRACTORS OWN 'AS BUILT' DRAWING. THIS DRAWING SHALL BE USED AS A BASIS OF THE PILING CONTRACTORS 'AS BUILT' DRAWING. THIS IS TO BE COMPLETED WITHIN TWO WEEKS OF THE COMPLETION OF PILING FOR EACH STRUCTURE.

PILE LEGEND

● DENOTES NEW 244mm DIAMETER
DRIVEN STEEL TUBE PILES

THE 244mm DIAMETER DRIVEN STEEL TUBE PILES
HAVE A SERVICABILITY LIMIT STATE CAPACITY OF
750kN. THIS IS BASED ON PRELIMINARY PILE
DESIGNS.

SIZE, LOCATION AND MAXIMUM SAFE WORKING
LOAD CAPACITY TO BE CONFIRMED BY PILING
SPECIALIST CONTRACTOR DESIGN.

PILE CUT-OFF LEVEL (PCO) - REFER TO SCHEDULE

ANTICIPATED PILING MAT LEVEL AND DEPTH - TO
BE CONFIRMED

FOUNDATION-PILE SCHEDULE										
PILE REF	CUT-OFF LEVEL (mOD)	PILE GEOMETRY			ACTIONS (kN)					
		PILE SIZE	DESIGN EASTING (m)	DESIGN NORTHING (m)	VERTICAL			HORIZONTAL		
					Gk	Qk, imposed	Qk,wind	Gk	Qk, imposed	Qk, wind
F1-1	117.145	245	389287.465	413280.392						
F1-2	117.145	245	389287.272	413281.102						
F1-3	117.145	245	389286.754	413280.580						
F2-1	116.695	245	389285.049	413286.990						
F2-2	116.695	245	389285.759	413287.183						
F2-3	116.695	245	389284.857	413287.699						
F2-4	116.695	245	389285.566	413287.892						
F3-1	116.695	245	389283.659	413294.316						
F3-2	116.695	245	389283.467	413295.026						
F3-3	116.695	245	389282.949	413294.504						
F4-1	116.695	245	389277.036	413299.320						
F4-2	116.695	245	389277.745	413299.513						
F4-3	116.695	245	389276.843	413300.030						
F4-4	116.695	245	389277.553	413300.222						
F6-1	117.345	245	389283.620	413279.348						
F6-2	117.345	245	389283.428	413280.057						
F6-3	117.345	245	389281.015	413278.640						
F6-4	117.345	245	389281.883	413278.876						
F6-5	117.345	245	389280.822	413279.349						
F6-6	117.345	245	389281.691	413279.585						
F7-1	116.895	245	389281.785	413286.103						
F7-2	116.895	245	389281.592	413286.812						
F7-3	116.895	245	389279.179	413285.395						
F7-4	116.895	245	389280.048	413285.631						
F7-5	116.895	245	389278.987	413286.104						
F7-6	116.895	245	389279.855	413286.340						
F8-1	116.695	245	389278.019	413292.784						
F8-2	116.695	245	389277.826	413293.493						
F8-3	116.695	245	389277.117	413293.301						
F8-4	116.695	245	389277.310	413292.591						
F9-1	117.145	245	389281.194	413272.028						
F9-2	117.145	245	389281.002	413272.737						
F9-3	117.145	245	389280.484	413272.215						
F10-1	116.970	244	389278.693	413284.001						
F10-2	116.970	244	389277.466	413284.704						
F10-3	116.970	244	389278.169	413285.931						
F10-4	116.970	244	389277.557	413287.801						
F10-5	116.970	244	389276.660	413289.578						
F10-6	116.970	244	389275.631	413291.459						
F10-7	116.970	244	389275.106	413293.389						
F10-8	116.970	244	389276.763	413283.476						
F10-9	116.970	244	389276.239	413285.406						
F10-10	116.970	244	389275.714	413287.336						
F10-11	116.970	244	389274.403	413292.162						
F10-12	116.970	244	389275.411	413283.109						
F10-13	116.970	244	389274.888	413285.034						
F10-14	116.970	244	389274.365	413286.981						
F10-15	116.970	244	389273.870	413288.783						
F10-16	116.970	244	389273.701	413290.934						
F10-17	116.970	244	389272.473	413291.637						
F10-18	116.970	244	389273.176	413292.864						
F10-19	116.970	244	389273.868	413282.690						
F10-20	116.970	244	389273.344	413284.620						
F10-21	116.970	244	389271.793	413288.226						
F10-22	116.970	244	389271.770	413290.410						
F10-23	116.970	244	389271.246	413292.340						
F10-24	116.970	244	389271.938	413282.165						
F10-25	116.970	244	389272.641	413283.393						
F10-26	116.970	244	389271.414	413284.095						
F10-27	116.970	244	389271.854	413286.288						
F10-28	116.970	244	389275.224	413289.141						
F11-1	116.695	245	389272.150	413297.993						
F11-2	116.695	245	389271.440	413298.181						
F11-3	116.695	245	389271.958	413298.702						
F12-1	117.870	245	389278.961	413277.427						
F12-2	117.870	245	389277.734	413278.129						
F12-3	117.870	245	389278.699	413278.392						
F12-4	117.870	245	389278.437	413279.357						
F12-5	117.870	245	389276.040	413276.736						
F12-6	117.870	245	389275.568	413278.474						
F12-7	117.870	245	389273.874	413277.081						
F12-8	117.870	245	389273.171	413275.853						
F12-9	117.870	245	389272.909	413276.818						
F12-10	117.870	245	389272.647	413277.783						
F13-1	117.345	245	389281.015	413278.640						
F13-2	117.345	245	389280.822	413279.349						
F13-3	117.345	245	389281.883	413278.876						
F13-4	117.345	245	389281.691	413279.585						
F13-5	117.345	245	389283.620	413279.348						
F13-6	117.345	245	389283.428	413280.057						

This drawing should not be scaled. Dimensions to be verified on site.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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GENERAL NOTES

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL ENGINEER'S, ARCHITECTS OR OTHER RELEVANT DRAWINGS & SPECIFICATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING DRAWINGS OR COMMENCING ON SITE.
- THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE WORK.
- ALL WORK BY THE CONTRACTOR MUST BE CARRIED OUT IN COMPLIANCE IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH & SAFETY AT WORK ACT ARE SATISFIED.
- ALL WORK IS TO BE CARRIED OUT IN COMPLIANCE WITH REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES AND REGULATIONS.

P01		01.09.23		ISSUED FOR TENDER			SFM		PK				
Rev		Date		Description						By		Chk	
Amendments													
Project													
ROCHDALE COLLEGE													
Title													
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Work Stage				STAGE 2				RIBA					
				Concept design									
Suitability				WIP				S0					
Designed By		ZS		Director		PK		Waterman Ref.		STR17591			
Drawn By		ML		Date		AUGUST 2023		Scales @ A1		As indicated			
Project Originator Functional Spatial Form Discipline Number										Revision			
17591-WAT-01-B1-DR-S-10000										P01			