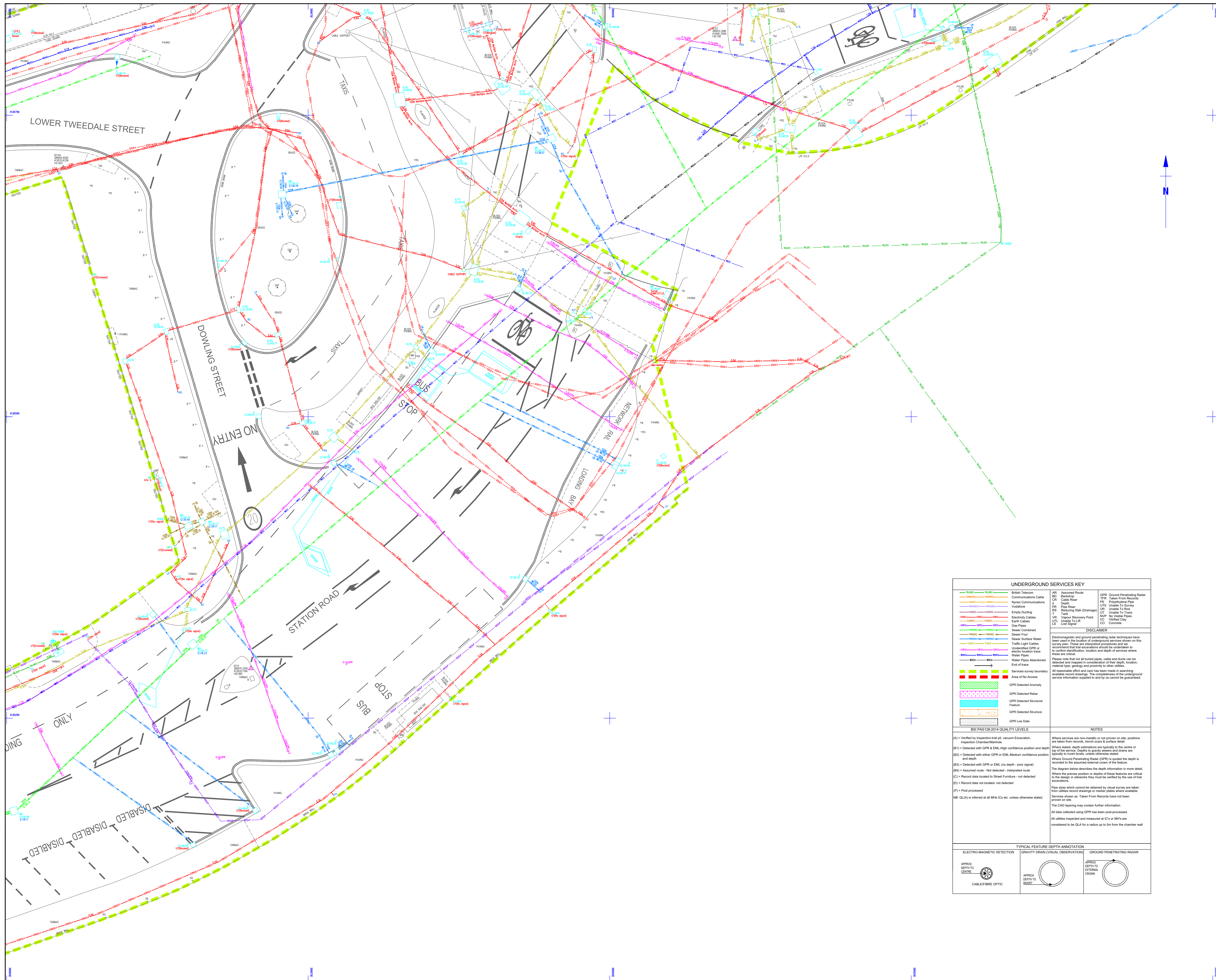
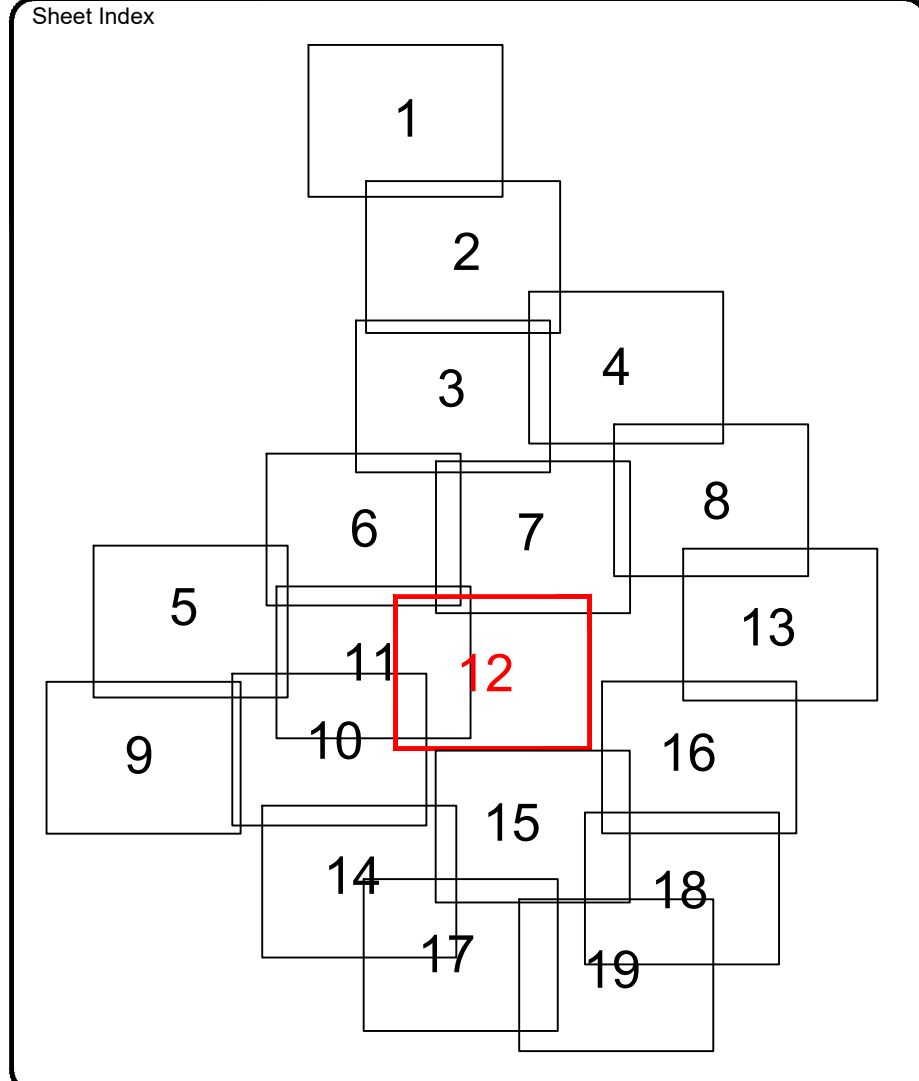


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WSP UK LTD.
8 FIRST STREET
MANCHESTER M15 4RP

Project

ROCHDALE STATION SQUARE

OL11 1DS

Drawing Title

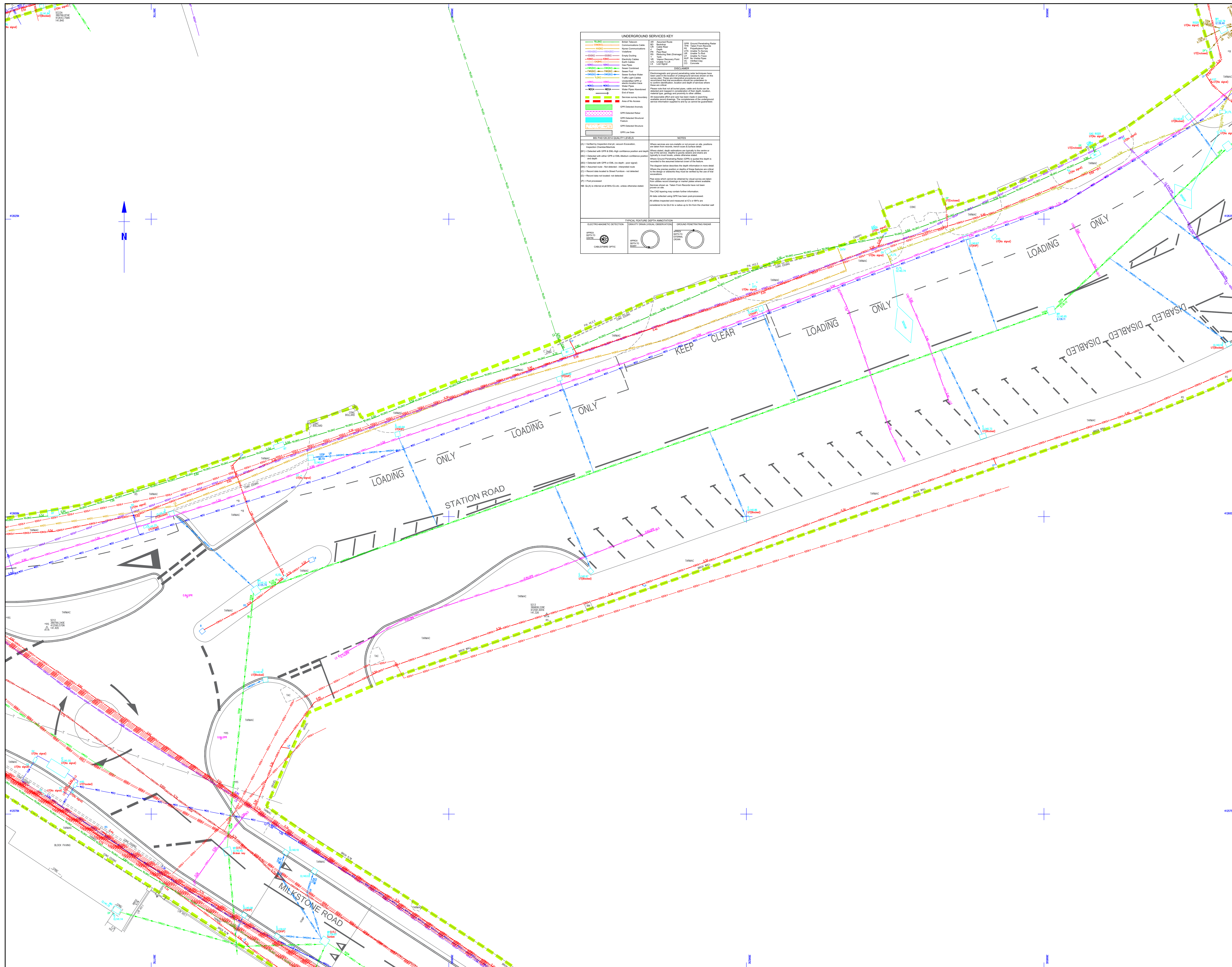
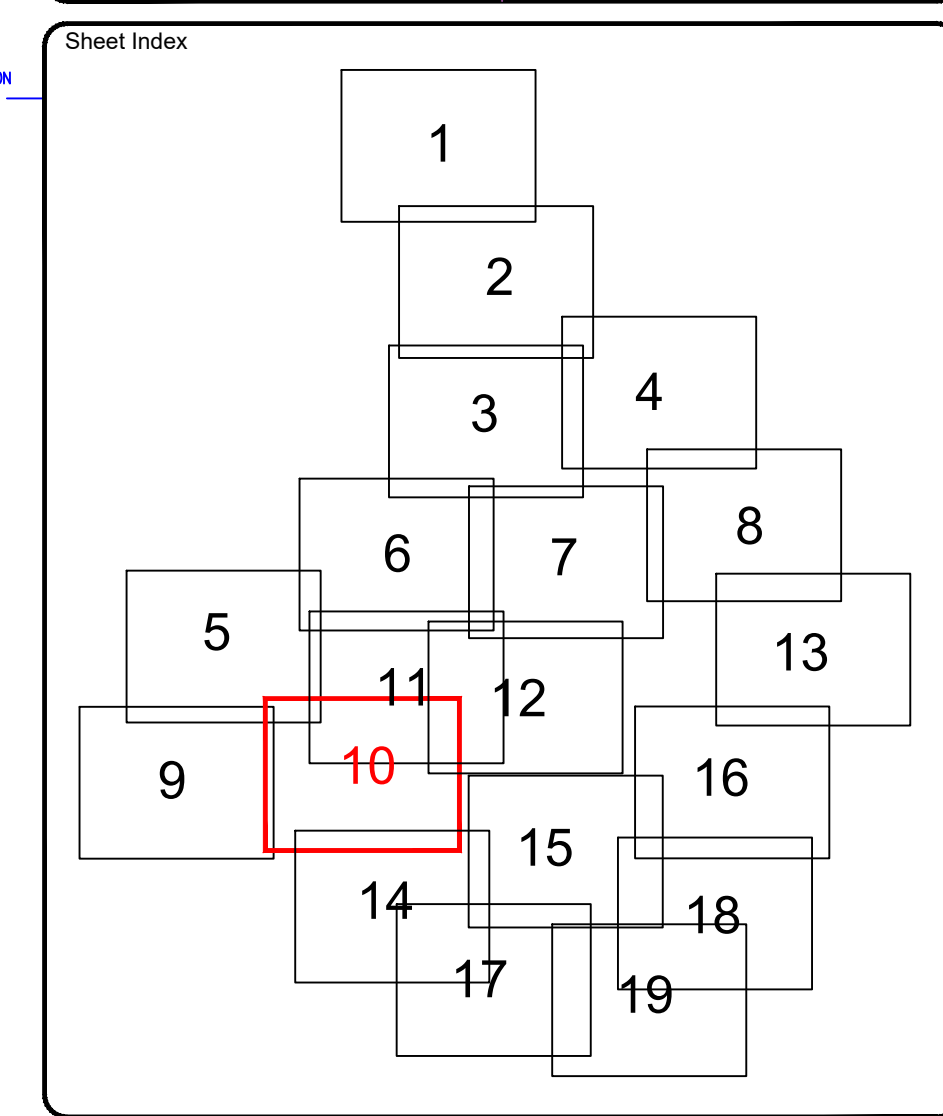
UNDERGROUND SERVICES

SURVEY

SHEET 12/19

Drawn By PS	04/08/21	Survey Date APRIL 2021
Checked by ED	04/08/21	Scale A0@1:100
Drawing No 56653/UG12		Revision

UNDERGROUND SERVICES KEY						
	TU9000 – TU9002	British Telecom	AR	Assumed Route	GPR	Ground Penetrating Radar
	CNO7000 – CNO8200	Communications Cable	BS	Bushings	TFR	Taken From Records
	WV9000 – WV9002	Water Mains	CR	Cable Reel	PWP	Pressure Pipe Work
		Vodafone	PP	Pipes Pile	ULF	Unable To Survey
		Empty Ducting	RSD	Rising Slope (Drainage)	UT	Unable To Read
	EAC1000 – EAC1002	Electricity Cables	T	Tank	UTC	Unable To Trace
	EAH1000 – EAH1002	Earth Cables	VB	Venture Borehole	NVP	No Visible Pipes
		Sewer Combined Sewer	ULF	Unable To Lift	CC	Confused City
		Sewer Surface Water	LSL	Lost Signal	CO	Cable
	TU9000 – TU9002	Traffic Light Cables				
		Underground Gully or electric isolation location				
		Water Pipes				
	KGA – RDA	Water Pipes Abandoned End of Area				
		Services Surveyed Outside Area of No Access				
		GPR Detected Anomaly				
		GPR Detected Retort				
		GPR Detected Structural Failure				
		GPR Detected Structure				
		GPR In Live Data				
DISCLAIMER						
Electronographic and ground penetrating radar techniques have been used in the location of underground services shown on this survey plan. These are interpretative procedures and are recommended to be confirmed by other means. The depth information shown on this plan is approximate and depths of services where they are critical must be confirmed by other means.						
All responsible effort and care has been made in searching for and recording all visible and accessible underground service information supplied to and by us cannot be guaranteed.						
NOTES						
(A) = Verified by inspection; i.e. no visual confirmation. Inspection Chamber Manholes			Where services are non-metric, e.g. cast iron on pipe, positions are taken from drawings, trench marks & surface details.			
(B) = Detected with GPR & EM-Low confidence position and depth			When stated, depth restrictions are typically to the centre or top of the object. Depth is given as series and dates in ascending order.			
(C) = Detected with either GPR or EM-Low medium confidence position and depth			Where Ground Penetrating Radar (GPR) is quoted the depth is recorded to the assumed external crown of the feature.			
(D) = Detected with either GPR or EM-Medium confidence position and depth			The diagram describes the depth information in more detail. Where the precise position or depths of these features are critical to the design, allowance may need to be verified by the end user excavations.			
(E) = Record date of latest detected - not detected			Pipe sizes which cannot be obtained by visual survey are taken from utility records, drawings or market places where available. Services shown as 'Taken From Records' have not been proven.			
(F) = Poor processed			The CAD layering may contain further information.			
NR: GLA's is inferred at all MHz ICs are: unless otherwise stated.			All data collected using GPR has been post-processed.			
			All utilities inspected and measured at 12.5 m intervals are considered to be GLA for a radius up to 5m from the chamber wall			
TYPICAL FEATURE DEPTH ANNOTATION						
ELECTRO-MAGNETIC DETECTION		GRAVITY DRAIN (VISUAL OBSERVATION)		GROUND PENETRATING RADAR		
APPROX. DEPTH TO CENTRE 		APPROX. DEPTH TO SURFACE 		APPROX. DEPTH TO EXTERNAL CROWN 		
CABLE/BRIEF OPTIC						

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ROCHDALE STATION SQUARE
OL11 1DS

Drawing Title

UNDERGROUND SERVICES

SURVEY

SHEET 10/19

Drawn By	PS	04/08/21	Survey Date	APRIL 2021
Checked by	ED	04/08/21	Scale	A0@1:100
Drawing No				Revision
56653/UG10				