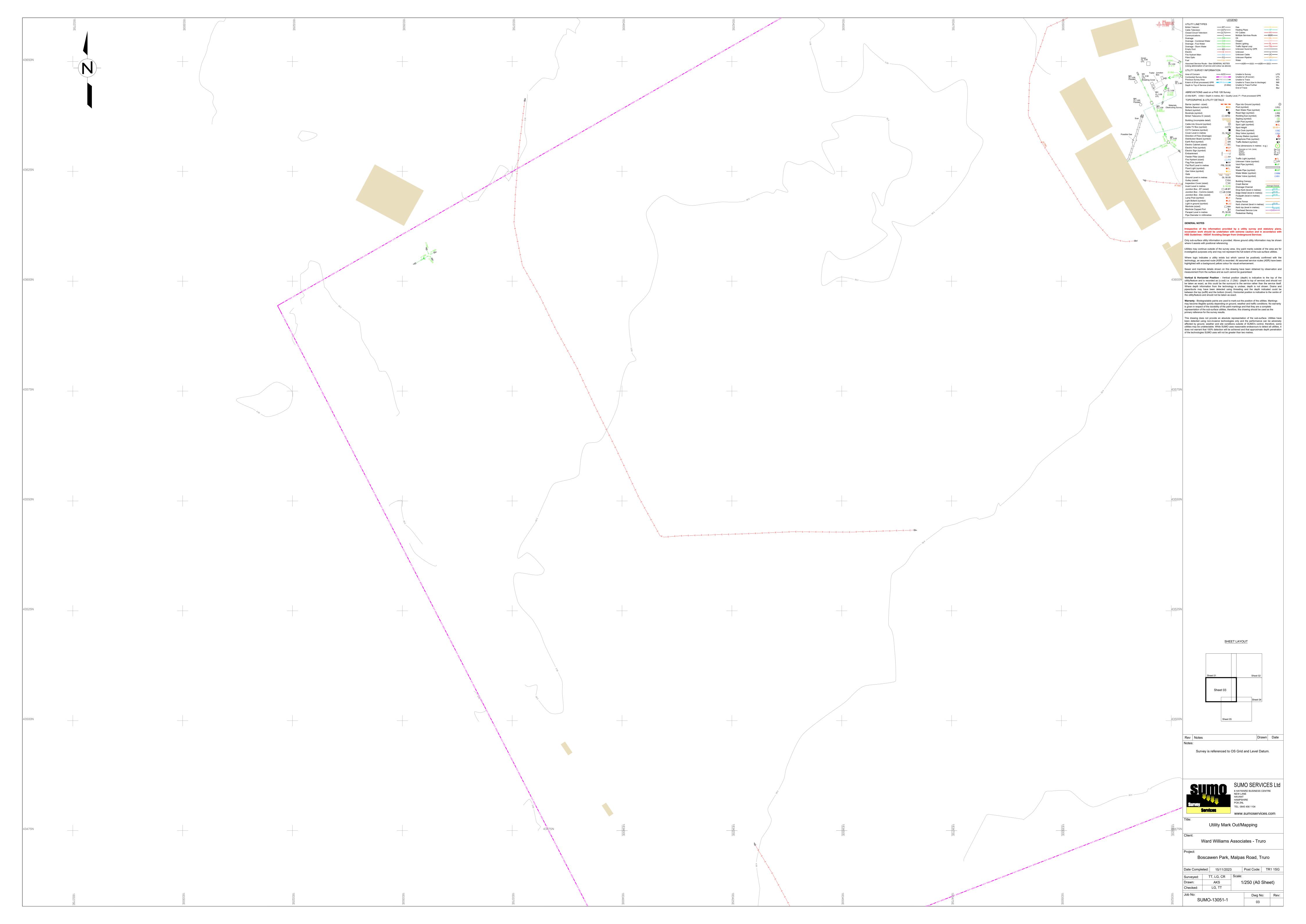
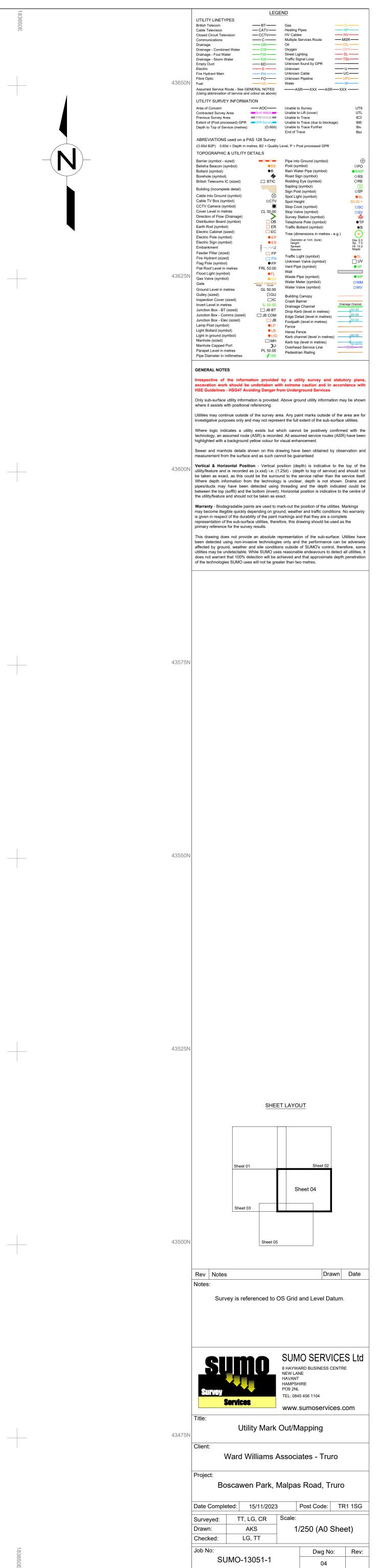


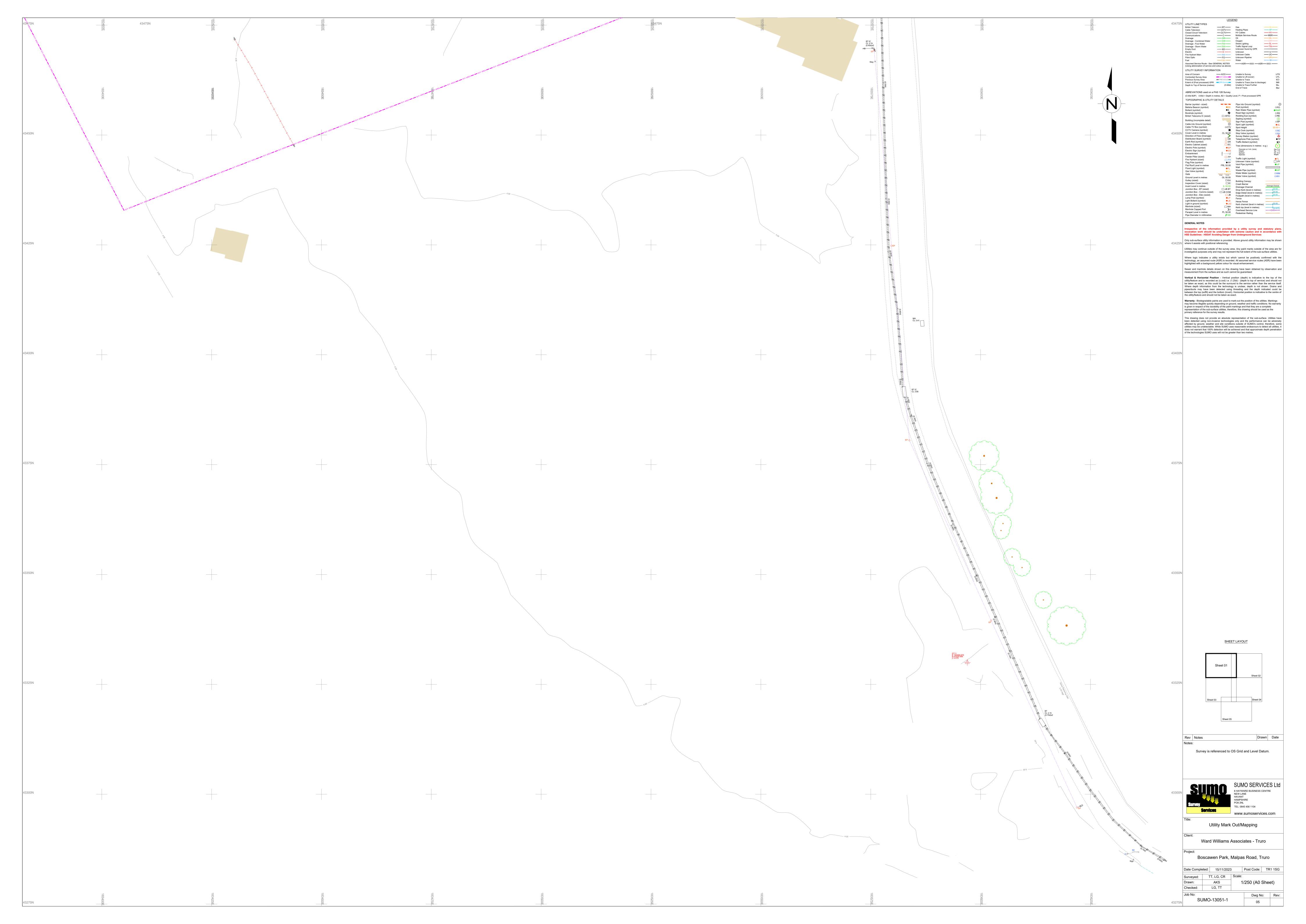


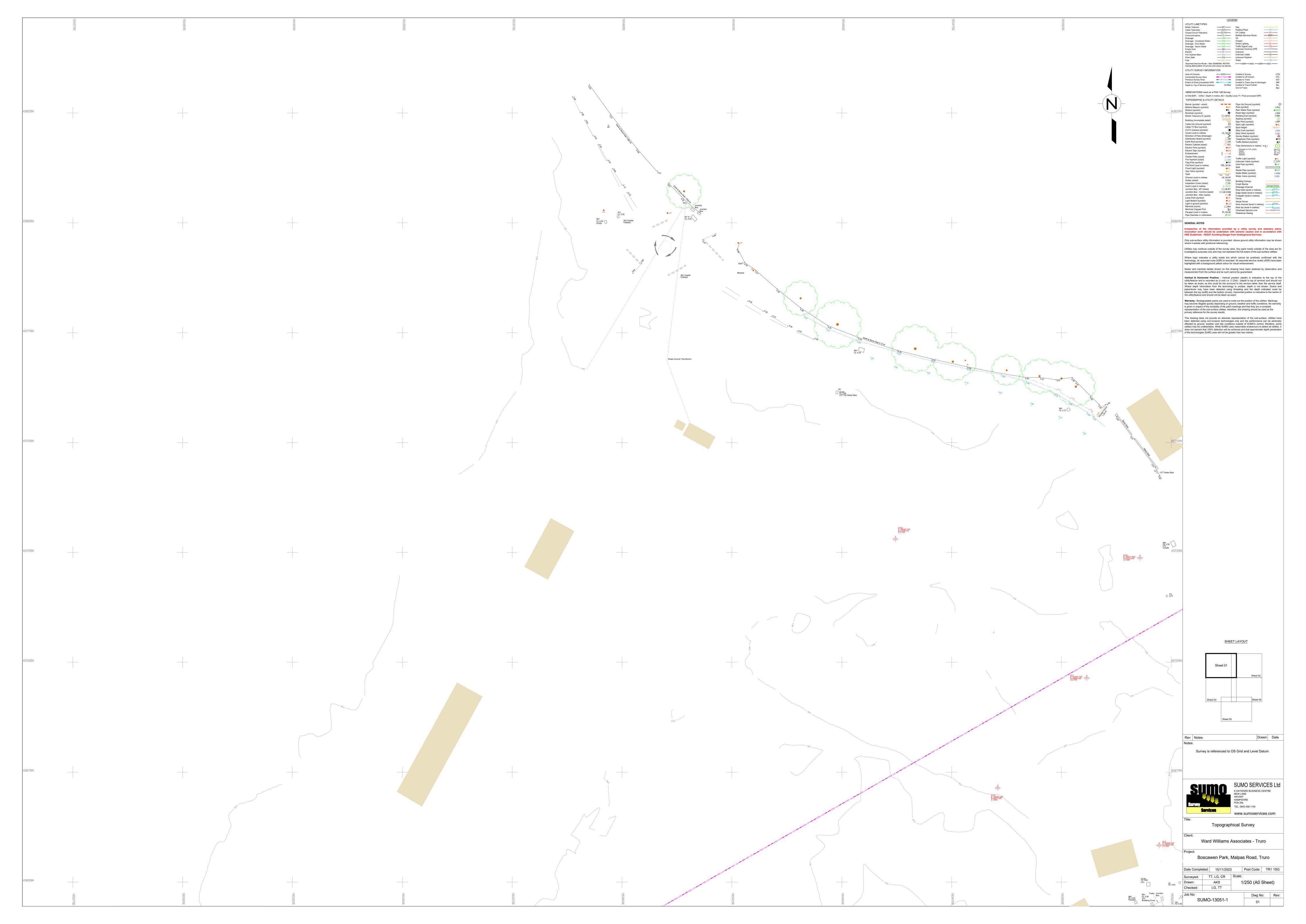
1 83 650 E	LEGEND UTILITY LINETYPES British Telecom BT Gas Gas Gas Cable Television CATV Heating Pipes HP Closed Circuit Television CCTV HV Cables HV Communications C Multiple Services Route MSR Drainage DR Oil OIL
	Drainage - Combined Water CW Oxygen OXY Drainage - Foul Water FW Street Lighting SL Drainage - Storm Water SW Traffic Signal Loop TSL Empty Duct ED Unknown found by GPR Unknown Cable UC Fibre Optic FH Unknown Cable UC UPL Fuel FUEL Water W W Assumed Service Route - See GENERAL NOTES (Using abbreviation of service and colour as above) Mater VXX ASR UTILITY SURVEY INFORMATION Area of Concern AOC Unable to Survey UTS Contracted Survey Area SYY AREA Unable to Lift (cover) UTI UTI
	Extent of (Post processed) GPR GPR Survey Unable to Trace (due to blockage) Unable to Trace Further End of Trace III0 IIU ABREVIATIONS used on a PAS 128 Survey (0.60d) Unable to Trace Further End of Trace III0 (0.65d B2P) 0.65d = Depth in metres, B2 = Quality Level, P = Post processed GPR III0 IIU TOPOGRAPHIC & UTILITY DETAILS Barrier (symbol) - sized) Pipe into Ground (symbol) Post (symbol) Belisha Beacon (symbol) BB Rain Water Pipe (symbol) POPO Boilard (symbol) B Rain Water Pipe (symbol) PRWP Borehole (symbol) BTIC Rodding Eye (symbol) PRE Building (incomplete detail) BTIC Rodding Eye (symbol) Sp Sign Post (symbol) Sp Spot Light (symbol) Sp Cable TV Box (symbol) CTV Spot Light (symbol) Sp Cover Level in metres CL 50,00 Stop Cock (symbol) Sv Distribution Board (symbol) DB Telephone Pole (symbol) Telephone Pole (symbol) Telephone Pole (symbol)
	Electric Pole (symbol) EP Per (unification in the last > e.g., f) Dia: 0.3 Electric Sign (symbol) Enhankment Image of the light (bole) Bis 7.5 Freeder Pillar (sized) FH FH Freeder Pillar (sized) FH Filag Pole (symbol) FH FR Spred: Spred: Spred: Gate Gate Gate Wall Water Valve (symbol) VVP Gate Gate Gate Dia: 0.3 Spred: Spred
	 where it assists with positional referencing. Utilities may continue outside of the survey area. Any paint marks outside of the area are for investigative purposes only and may not represent the full extent of the sub-surface utilities. Where logic indicates a utility exists but which cannot be positively confirmed with the technology, an assumed route (ASR) is recorded. All assumed service routes (ASR) have been highlighted with a background yellow colour for visual enhancement. Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed Vertical & Horizontal Position - Vertical position (depth) is indicative to the top of the utility/feature and is recorded as (x.xxd) i.e. (1.25d) - (depth to top of service) and should not be taken as exact, as this could be the surround to the service rather than the service itself. Where depth information from the technology is unclear, depth is not shown. Drains and pipes/ducts may have been detected using threading and the depth indicated could be between the top (soffit) and the bottom (invert). Horizontal position of the utility/feature and should not be taken as exact. Warranty - Biodegradable paints are used to mark-out the position of the utilities. Markings may become illegible quickly depending on ground, weather and traffic conditions. No warranty is given in respect of the durability of the paint markings and that they are a complete representation of the sub-surface. Utilities, therefore, this drawing should be used as the primary reference for the survey results. This drawing does not provide an absolute representation of the sub-surface. Utilities have been detected using non-invasive technologies only and the performance can be adversely affected by ground, weather and site conditions outside of SUMO's control, therefore, some utilities may be undetectable. While SUMO uses reasonable endeavours to dete
	43750N
	43725N
	43700N Sheet 02 Sheet 01 Sheet 02 Sheet 03 Sheet 04
	Rev Notes Drawn Date Notes: Survey is referenced to OS Grid and Level Datum. 43675N Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum. Survey is referenced to OS Grid and Level Datum.
	Title: Utility Mark Out/Mapping Client: Ward Williams Associates - Truro Project: Boscawen Park, Malpas Road, Truro Date Completed: 15/11/2023 Post Code: TR1 1SG Surveyed: TT, LG, CR Drawn: AKS Drawn: AKS Job No: Dwg No: SUMO-13051-1 02













1 83 65 0 E	LEGEND UTILITY LINETYPES British Telecom — BT — Gas Gas Cable Television — CATV — Heating Pipes — HP — Closed Circuit Television — CCTV — HV Cables — HV — Communications — C — Multiple Services Route — MSR — Drainage — DR — Oil — Oil — Oil
	Drainage - Combined Water CW Oxygen OXY Drainage - Foul Water FW Street Lighting SL Drainage - Storm Water SW Traffic Signal Loop TSL Empty Duct ED Unknown found by GPR Unknown found by GPR Electric Fe Unknown Cable UC Fibre Optic FFO Unknown Pipeline UPL Fuel FUEL Water Water W Assumed Service Route - See GENERAL NOTES (Using abbreviation of service and colour as above) OXY UTILITY SURVEY INFORMATION Area of Concern AOC Unable to Survey UTS Unable to Lift (cover) UTIL Previous Survey Area PREVIOUS Unable to Survey UTL
	Extent of (Post processed) GPR GPR Survey Unable to Trace (due to blockage) III0 Depth to Top of Service (metres) (0.60d) Unable to Trace Further III1 III0 III0 III0 III0 III0 ABREVIATIONS used on a PAS 128 Survey (0.65d B2P) 0.65d = Depth in metres, B2 = Quality Level, P = Post processed GPR III0 TOPOGRAPHIC & UTILITY DETAILS Barrier (symbol - sized) Pipe into Ground (symbol) OPO Bollard (symbol) BB Post (symbol) OPO Borehole (symbol) B Rain Water Pipe (symbol) RWP Building (incomplete detail) Sapling (symbol) Sign Post (symbol) Sign P
	Direction of Flow (Drainage) → Distribution Board (symbol) □ DB Distribution Board (symbol) □ DB Earth Rod (symbol) □ ER Electric Cabinet (sized) □ CF Electric Pole (symbol) □ EP Electric Pole (symbol) □ FP Electric Sign (symbol) □ FP Feeder Pillar (sized) □ FP Fire Hydrant (sized) □ FP Fila Roof Level in metres FRL 50.00 Flood Light (symbol) ● FP Flood Light (symbol) ● FI Ground Level in metres GL 50.00 Guiley (sized) □ GU Junction Box - Comms (sized) □ JB Junction Box - Comms (sized) □ JB Junction Box - Comms (sized) □ JB Light Namolol ● Light Namolol Light In ground (symbol) ● Light In ground (symbol) ● Light In metres Light In ground (symbol) ● Light In metres □ JD Junction Box - Comms (sized) □ JB □ Drainage Channel Junction Box - Comms (sized) □ JB □ Drainage Channel Light In ground (symbol) ● L
	43800N GENERAL NOTES Irrespective of the information provided by a utility survey and statutory plans, excavation work should be undertaken with extreme caution and in accordance with HSE Guidelines - HSG47 Avoiding Danger from Underground Services Only sub-surface utility information is provided. Above ground utility information may be shown where it assists with positional referencing. Utilities may continue outside of the survey area. Any paint marks outside of the area are for investigative purposes only and may not represent the full extent of the sub-surface utilities. Where logic indicates a utility exists but which cannot be positively confirmed with the technology, an assumed route (ASR) is recorded. All assumed service routes (ASR) have been highlighted with a background yellow colour for visual enhancement. Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed Vertical & Horizontal Position - Vertical position (depth) is indicative to the top of the utility/feature and is recorded as (x.xxd) i.e. (1.25d) - (depth to top of service) and should not be taken as exact, as this could be the surround to the service rather than the service itself. Where depth information from the technology is unclear, depth is not shown. Drains and pipes/ducts may have been detected using threading and the depth indicated could be between the top (soffit) and the bottom (invert). Horizontal position is indicative to the centre of the utility/feature and should not be taken as exact.
	437775N Warranty - Biodegradable paints are used to mark-out the position of the utilities. Markings may become illegible quickly depending on ground, weather and traffic conditions. No warranty is given in respect of the durability of the paint markings and that they are a complete representation of the sub-surface utilities, therefore, this drawing should be used as the primary reference for the survey results. This drawing does not provide an absolute representation of the sub-surface. Utilities have been detected using non-invasive technologies only and the performance can be adversely affected by ground, weather and site conditions outside of SUMO's control, therefore, some utilities may be undetectable. While SUMO uses reasonable endeavours to detect all utilities, it does not warrant that 100% detection will be achieved and that approximate depth penetration of the technologies SUMO uses will not be greater than two metres.
	43750N
	43725N
	<u>SHEET LAYOUT</u>
	43700N Sheet 02 Sheet 01 Sheet 03 Sheet 04
	Sheet 05 Rev Notes Drawn Date Notes: Survey is referenced to OS Grid and Level Datum.
	43675N Services Services Services Services Sumo Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services Services S
	Title: Topographical Survey Client: Ward Williams Associates - Truro Project:
	Boscawen Park, Malpas Road, Truro Date Completed: 15/11/2023 Post Code: TR1 1SG Surveyed: TT, LG, CR Scale: Drawn: AKS 1/250 (A0 Sheet)
183650E	Checked: LG, TT Job No: Dwg No: SUMO-13051-1 02

