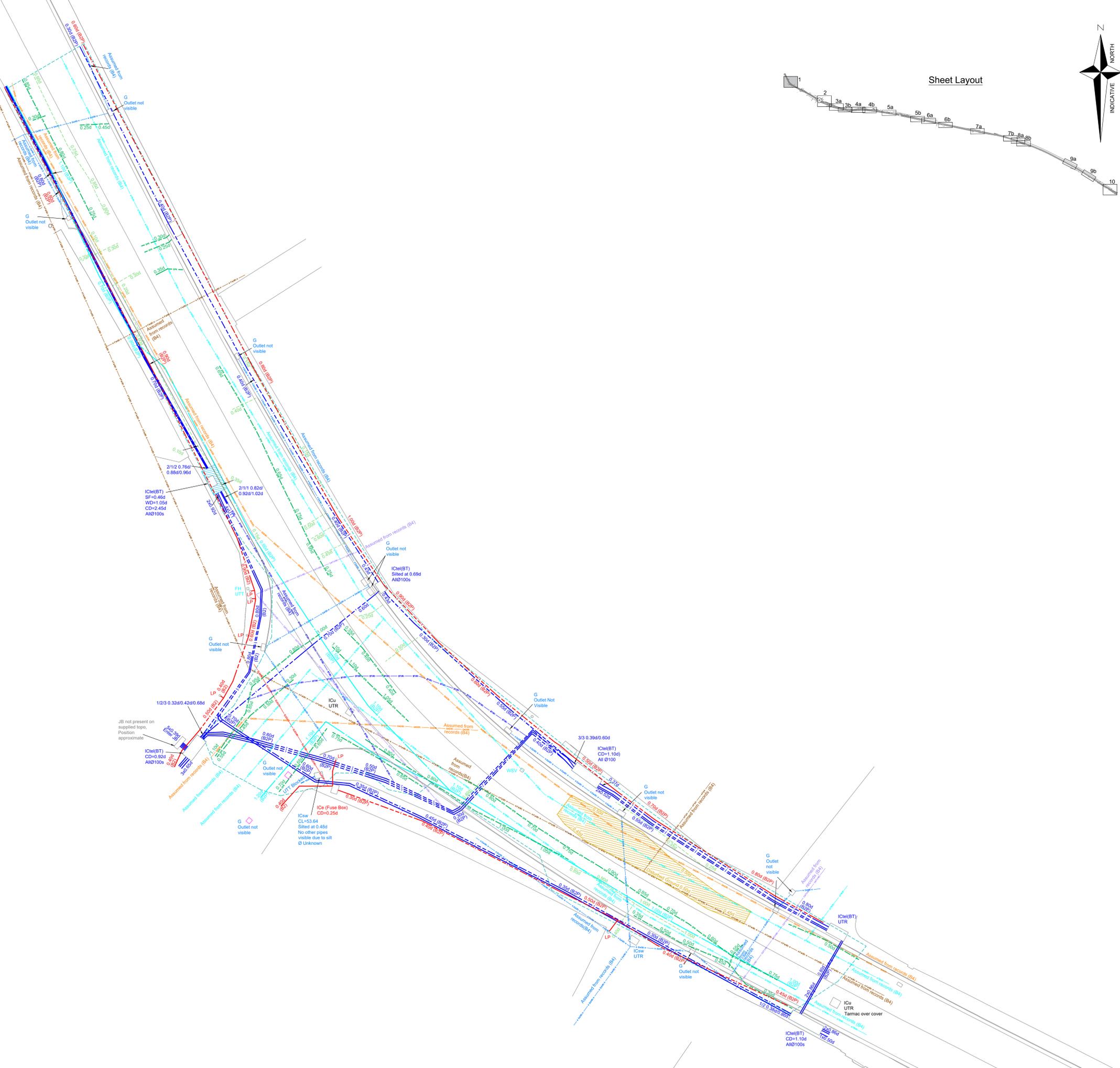
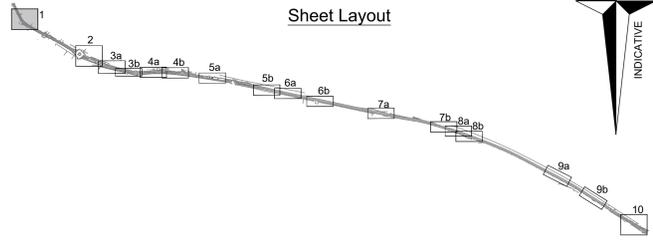


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 - (3) The utility lines represent assumed positions/routes.
 - (4) Depth to top of pipe/features shown in metres.
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 - (8) The GPR utility survey has been carried out to MSP-M1P PAS128 standards.
 - (9) Services that have been viewed and recorded in all ICs that have been raised and detailed are classified as QL-A.
 - (10) Services that are marked B1P have been detected by the GPR and electromagnetic location geophysical techniques.
 - (11) Services that are marked B2P are detected by one geophysical technique only but are within the area covered by the processed GPR data.
 - (12) Services that are marked B3P are detected in the electromagnetic location only, but have a unknown depth.
 - (13) Services that are marked B4 are assumed from the statutory service drawings.
 - (14) All GPR detected features are to B2P quality level.
 - (15) Services that are marked B2 or B3 have been detected by electromagnetic location only and are outside the GPR scan area.



Sheet Layout



KEY

- BUILDING
- CHANGE OF SURFACE
- FENCE
- KERB / DROP KERB
- VEGETATION / FOLIAGE
- BUILDING CANOPY
- GULLY
- IC
- SERVICES & STREET FURNITURE
- DRAINAGE COMBINED WATER WITH FLOW DIRECTION
- DRAINAGE FOUL WATER WITH FLOW DIRECTION
- DRAINAGE SURFACE WATER WITH FLOW DIRECTION
- ELECTRIC
- GAS
- METALLIC
- TRAFFIC CONTROLS
- TELECOMS BT
- TELECOMS CATV
- TELECOMS SSE
- TELECOMS MISCELLANEOUS
- WATER
- EMPTY DUCT (COLOUR DENOTES SERVICE TYPE)
- VENT PIPE (COLOUR DENOTES SERVICE TYPE)
- GPR LINEAR FEATURE
- POSSIBLE UNCERTAIN GPR LINEAR FEATURE
- GPR SCAN AREA EXTENTS
- COMBINED WATER SEWER RECORDS WITH FLOW DIRECTION
- FOUL WATER SEWER RECORDS WITH FLOW DIRECTION
- SURFACE WATER SEWER RECORDS WITH FLOW DIRECTION
- ELECTRIC RECORDS
- GAS RECORDS
- TELECOM BT RECORDS
- CATV RECORDS
- VIRGIN MEDIA RECORDS
- WATER RECORDS
- CHAMBER/REINFORCED SERVICE DUCT
- REINFORCING IN CONCRETE SLAB
- GPR DETECTED ANOMALY/DISTURBED GROUND

ABBREVIATIONS

- A APPROXIMATE
- BT BRITISH TELECOM
- CL COVER LEVEL
- CD CHAMBER DEPTH
- d DEPTH (metres)
- DBC DIRECTLY BURIED CABLE
- DP DRAIN PIPE
- ER EARTHING ROD
- Ext Ø EXTERNAL DIAMETER (mm)
- FH FIRE HYDRANT
- G GULLY
- GV GAS VALVE
- ICsw COMBINED WATER INSPECTION COVER
- ICe ELECTRICITY INSPECTION COVER
- ICw FOUL WATER INSPECTION COVER
- ICsw SURFACE WATER INSPECTION COVER
- ICswu TRAFFIC CONTROLS INSPECTION COVER
- ICtel TELECOMMUNICATIONS INSPECTION COVER
- ICu UNKNOWN INSPECTION COVER
- ICw WATER INSPECTION COVER
- ID INVERT DEPTH
- IL INVERT LEVEL
- JB JUNCTION BOX
- LP LAMP POST
- NFI NO FURTHER INFORMATION
- OD OUTLET DEPTH
- RE RODDING EYE
- RWP RAINWATER PIPE
- SF SOFFIT DEPTH
- SV STOP VALVE
- TL TRAFFIC LIGHT
- TP TELEGRAPH POLE
- UTR UNABLE TO TRACE
- UTT UNABLE TO TRACE
- VP VENT PIPE
- WD DEPTH TO WATER
- WL WATER LEVEL
- WM WATER METER
- Wsv WATER STOP VALVE
- Ø DIAMETER (mm)

Rev	Date	Amendment	Drawn	Chkd	Appd



Client: **HIGHWAYS ENGLAND**

Project Title: **A36 WILTON SKEW BRIDGE GPR SURVEY**

Drawing Title: **PAS128 M3P-M1P* GPR UTILITY SURVEY**

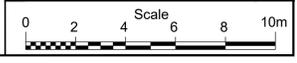
Drawn	Date	Checked	Date	Approved	Date
MW	29/05/20	JC	29/05/20	JC	29/05/20

Scale: 1:100

Project No: 194834

Drawing File: 194834-GPR-2D-01(00)

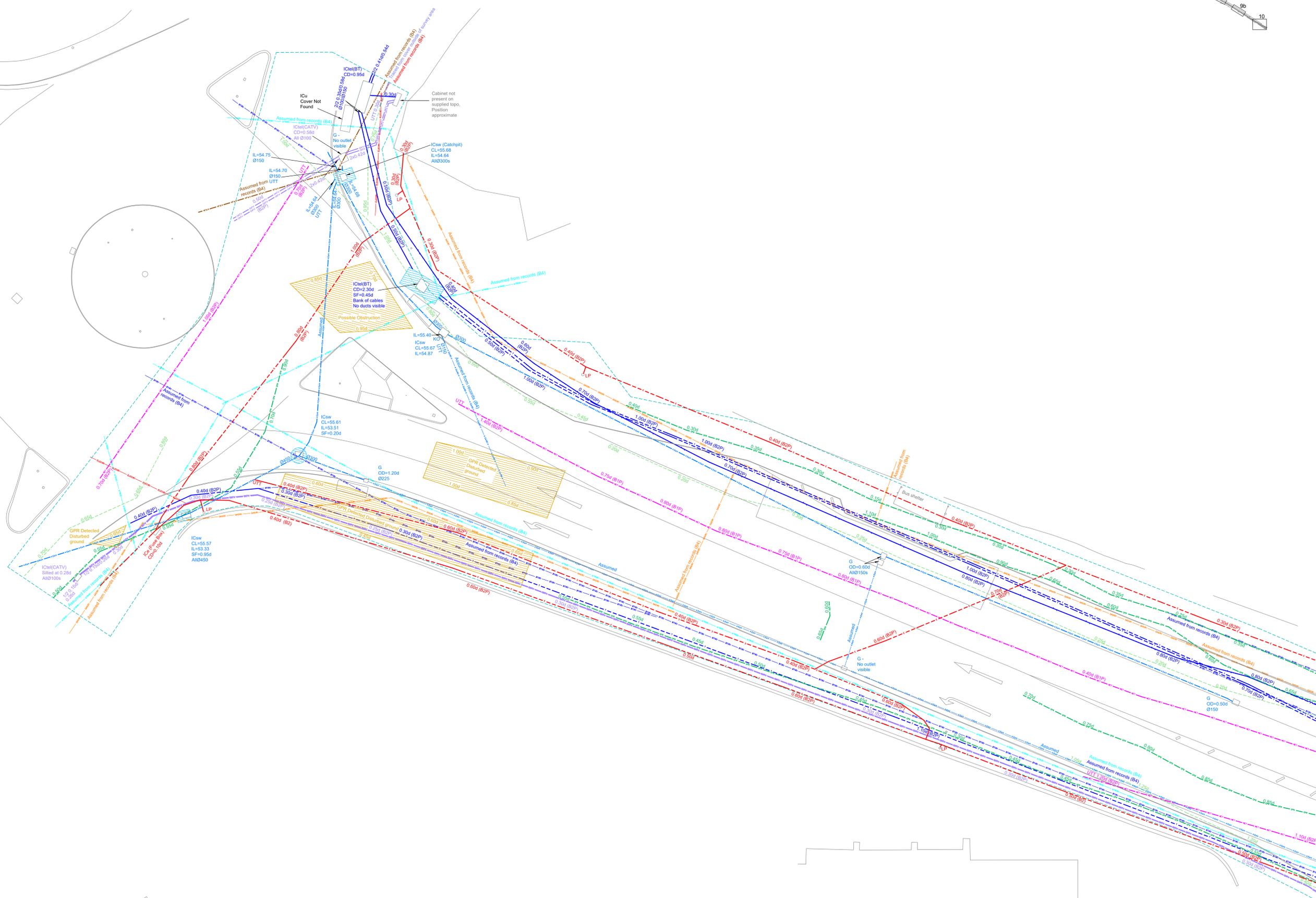
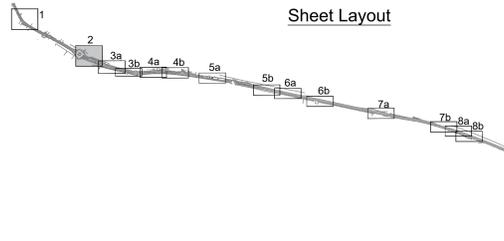
Drawing No: 194834-GPR-2D-01(00) Sheet 1 of 10



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 - (15) Services that are marked B2 or B3 have been detected by electromagnetic location only and are outside the GPR scan area.



Sheet Layout



KEY

- BUILDING
- CHANGE OF SURFACE
- FENCE
- KERB / DROP KERB
- VEGETATION / FOLIAGE
- BUILDING CANOPY
- GULLY
- IC
- ICu SERVICES & STREET FURNITURE
- ICwv DRAINAGE COMBINED WATER WITH FLOW DIRECTION
- ICw DRAINAGE FOUL WATER WITH FLOW DIRECTION
- ICsu DRAINAGE SURFACE WATER WITH FLOW DIRECTION
- ELECTRIC
- GAS
- METALLIC
- TRAFFIC CONTROLS
- TELECOMS BT
- TELECOMS CATV
- TELECOMS SSE
- TELECOMS MISCELLANEOUS
- WATER
- EMPTY DUCT (COLOUR DENOTES SERVICE TYPE)
- VENT PIPE (COLOUR DENOTES SERVICE TYPE)
- GPR GPR LINEAR FEATURE
- POSSIBLE UNCERTAIN GPR LINEAR FEATURE
- GPR SCAN AREA EXTENTS
- COMBINED WATER SEWER RECORDS WITH FLOW DIRECTION
- FOUL WATER SEWER RECORDS WITH FLOW DIRECTION
- SURFACE WATER SEWER RECORDS WITH FLOW DIRECTION
- ELECTRIC RECORDS
- GAS RECORDS
- TELECOM BT RECORDS
- CATV RECORDS
- VIRGIN MEDIA RECORDS
- WATER RECORDS
- CHAMBER/REINFORCED SERVICE DUCT
- REINFORCING IN CONCRETE SLAB
- GPR DETECTED ANOMALY/DISTURBED GROUND

ABBREVIATIONS

- A APPROXIMATE
- BT BRITISH TELECOM
- CL COVER LEVEL
- CD CHAMBER DEPTH
- d DEPTH (metres)
- DBC DIRECTLY BURIED CABLE
- DP DRAIN PIPE
- ER EARTHING ROD
- Ext Ø EXTERNAL DIAMETER (mm)
- EH FIRE HYDRANT
- G GULLY
- GV GAS VALVE
- ICwv COMBINED WATER INSPECTION COVER
- ICu FOUL WATER INSPECTION COVER
- ICsu SURFACE WATER INSPECTION COVER
- ICtssu TRAFFIC CONTROLS INSPECTION COVER
- ICtel TELECOMMUNICATIONS INSPECTION COVER
- ICu UNKNOWN INSPECTION COVER
- ICw WATER INSPECTION COVER
- ID INVERT DEPTH
- IL INVERT LEVEL
- JB JUNCTION BOX
- LP LAMP POST
- NFI NO FURTHER INFORMATION
- OD OUTLET DEPTH
- RE RODDING EYE
- RWP RAINWATER PIPE
- SF SOFFIT DEPTH
- SV STOP VALVE
- TL TRAFFIC LIGHT
- TP TELEGRAPH POLE
- UTR UNABLE TO RAISE
- UTT UNABLE TO TRACE
- VP VENT PIPE
- WD DEPTH TO WATER
- WL WATER LEVEL
- WM WATER METER
- WSV WATER STOP VALVE
- Ø DIAMETER (mm)

Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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 Haverhill, Cambridgeshire, CB9 7JF, UK
 Email: safeground@rsk.co.uk
 www.rsk.co.uk

Client: HIGHWAYS ENGLAND

Project Title: A36 WILTON SKEW BRIDGE GPR SURVEY

Drawing Title: PAS128 M3P-M1P* GPR UTILITY SURVEY

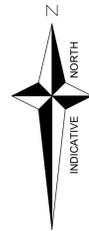
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MW	29/05/20	JC	29/05/20	JC	29/05/20

Scale: 1:100
 Drawing File: 194834-GPR-2D-01(00)

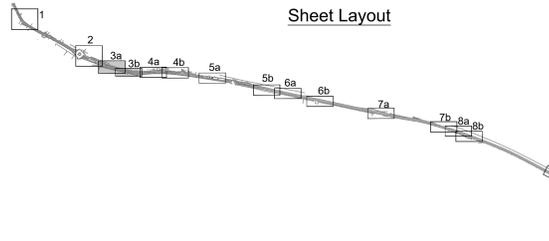
Project No.: 194834
 Drawing No.: 194834-GPR-2D-01(00) Sheet 2 of 10



- (1) The specific risks associated with the content of this drawing are considered to be:
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- (13) Services that are marked B3P are assumed from the statutory service drawings.
- (14) All GPR detected features are to B2P quality level.
- (15) Services that are marked B2 or B3 have been detected by electromagnetic location only and are outside the GPR scan area.

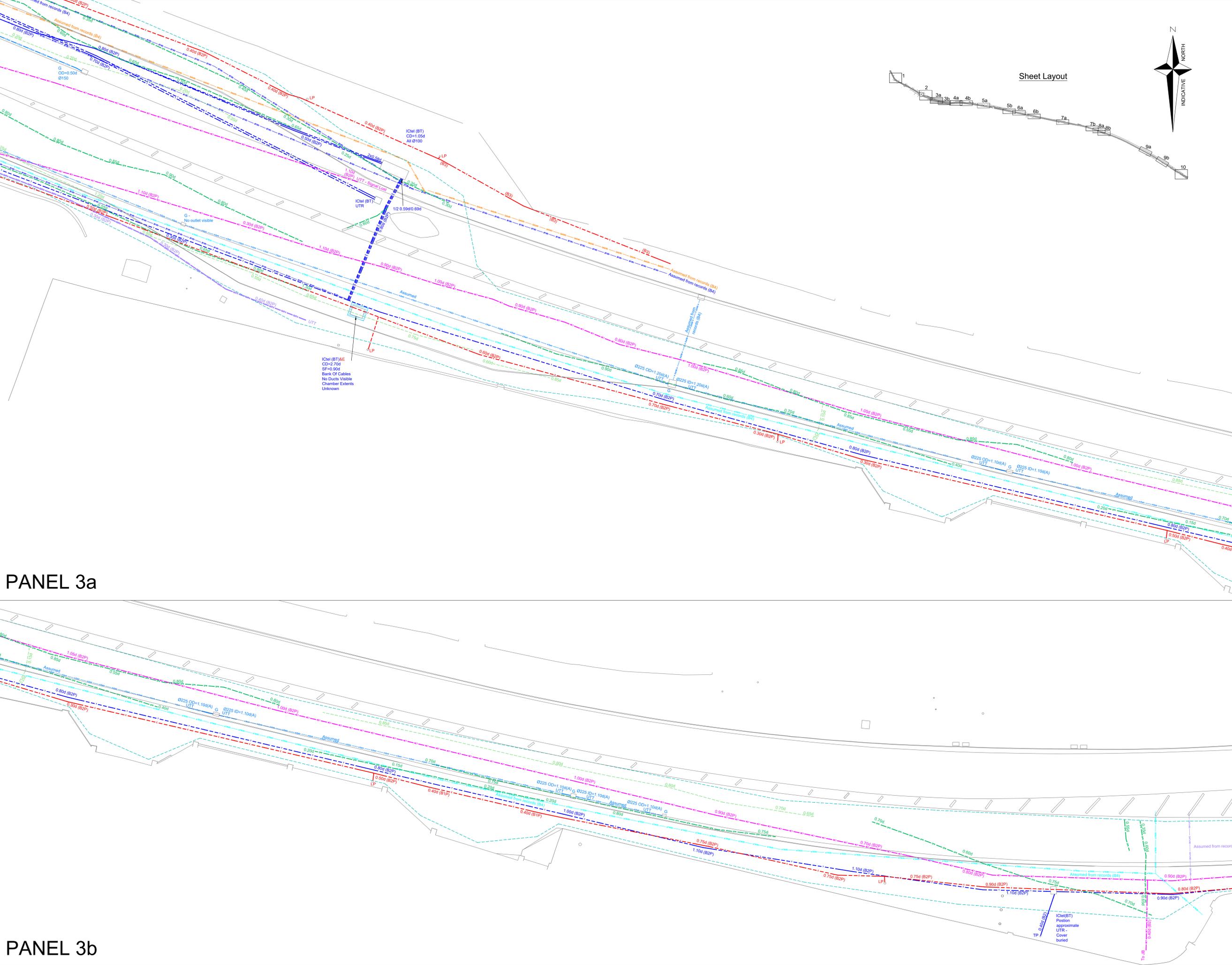


Sheet Layout



PANEL 3a

PANEL 3b



- KEY**
- BUILDING
 - CHANGE OF SURFACE
 - FENCE
 - KERB / DROP KERB
 - VEGETATION / FOLIAGE
 - BUILDING CANOPY
 - GULLY
 - IC
 - SERVICES & STREET FURNITURE
 - WATER
 - DRAINAGE COMBINED WATER WITH FLOW DIRECTION
 - DRAINAGE FOUL WATER WITH FLOW DIRECTION
 - DRAINAGE SURFACE WATER WITH FLOW DIRECTION
 - ELECTRIC
 - GAS
 - METALLIC
 - TRAFFIC CONTROLS
 - TELECOMS BT
 - TELECOMS CATV
 - TELECOMS SSE
 - TELECOMS MISCELLANEOUS
 - WATER
 - EMPTY DUCT (COLOUR DENOTES SERVICE TYPE)
 - VENT PIPE (COLOUR DENOTES SERVICE TYPE)
 - GPR LINEAR FEATURE
 - POSSIBLE UNCERTAIN GPR LINEAR FEATURE
 - GPR SCAN AREA EXTENTS
 - COMBINED WATER SEWER RECORDS WITH FLOW DIRECTION
 - FOUL WATER SEWER RECORDS WITH FLOW DIRECTION
 - SURFACE WATER SEWER RECORDS WITH FLOW DIRECTION
 - ELECTRIC RECORDS
 - GAS RECORDS
 - TELECOM BT RECORDS
 - CATV RECORDS
 - VIRGIN MEDIA RECORDS
 - WATER RECORDS
 - CHAMBER/REINFORCED SERVICE DUCT
 - REINFORCING IN CONCRETE SLAB
 - GPR DETECTED ANOMALY/DISTURBED GROUND

- ABBREVIATIONS**
- A APPROXIMATE
 - BT BRITISH TELECOM
 - CL COVER LEVEL
 - CD CHAMBER DEPTH
 - d DEPTH (metres)
 - DBC DIRECTLY BURIED CABLE
 - DP DRAIN PIPE
 - ER EARTHING ROD
 - Ext Ø EXTERNAL DIAMETER (mm)
 - PH FIRE HYDRANT
 - G GULLY
 - GV GAS VALVE
 - ICWV COMBINED WATER INSPECTION COVER
 - ICW ELECTRICITY INSPECTION COVER
 - ICWV FOUL WATER INSPECTION COVER
 - ICWV SURFACE WATER INSPECTION COVER
 - ICWVU TRAFFIC CONTROLS INSPECTION COVER
 - ICM TELECOMMUNICATIONS INSPECTION COVER
 - ICU UNKNOWN INSPECTION COVER
 - ICW WATER INSPECTION COVER
 - ID INVERT DEPTH
 - IL INVERT LEVEL
 - JB JUNCTION BOX
 - LP LAMP POST
 - NFI NO FURTHER INFORMATION
 - OD OUTLET DEPTH
 - RE RODDING EYE
 - RWP RAINWATER PIPE
 - SF SOFFIT DEPTH
 - SV STOP VALVE
 - TL TRAFFIC LIGHT
 - TP TELEGRAPH POLE
 - UTR UNABLE TO RAISE
 - UUT UNABLE TO TRACE
 - VP VENT PIPE
 - WD DEPTH TO WATER
 - WL WATER LEVEL
 - WM WATER METER
 - WSV WATER STOP VALVE
 - Ø DIAMETER (mm)

Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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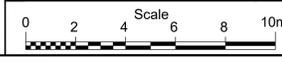
Client: **HIGHWAYS ENGLAND**

Project Title: **A36 WILTON SKEW BRIDGE GPR SURVEY**

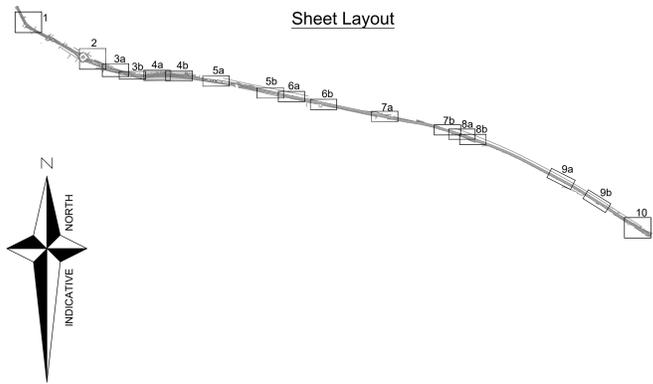
Drawing Title: **PAS128 M3P-M1P* GPR UTILITY SURVEY**

Drawn	Date	Checked	Date	Approved	Date
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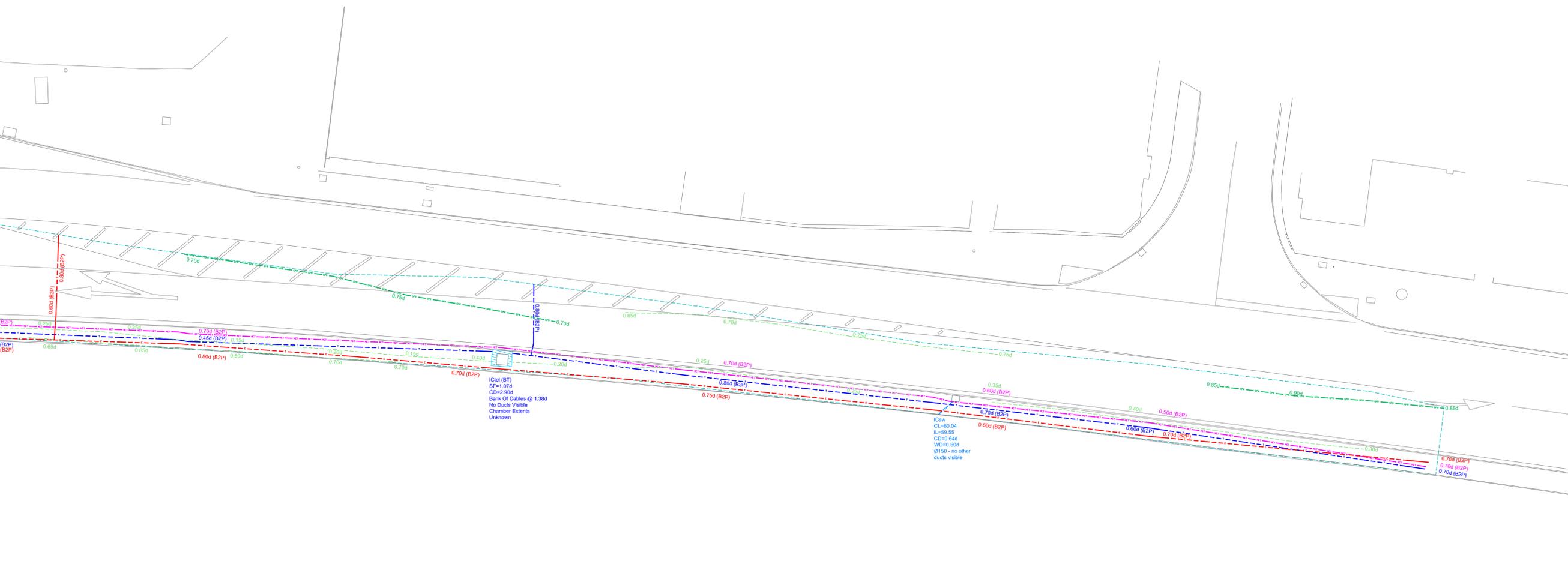
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 Drawing File: **194834-GPR-2D-01(00)**



Sheet Layout



PANEL 4a



PANEL 4b

- NOTES**
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 - (11) Services that are marked B2P are detected by one geophysical technique only but are within the area covered by the processed GPR data.
 - (12) Services that are marked B3P are detected in the electromagnetic location only, but have a unknown depth.
 - (13) Services that are marked B4 are assumed from the statutory service drawings.
 - (14) All GPR detected features are to B2P quality level.
 - (15) Services that are marked B2 or B3 have been detected by electromagnetic location only and are outside the GPR scan area.

- KEY**
- BUILDING
 - CHANGE OF SURFACE
 - FENCE
 - KERB / DROP KERB
 - VEGETATION / FOLIAGE
 - BUILDING CANOPY
 - GULLY
 - IC
 - SERVICES & STREET FURNITURE
 - COMBINED WATER WITH FLOW DIRECTION
 - DRAINAGE FOUL WATER WITH FLOW DIRECTION
 - DRAINAGE SURFACE WATER WITH FLOW DIRECTION
 - ELECTRIC
 - GAS
 - METALLIC
 - TRAFFIC CONTROLS
 - TELECOMS BT
 - TELECOMS CATV
 - TELECOMS SSE
 - TELECOMS MISCELLANEOUS
 - EMPTY DUCT (COLOUR DENOTES SERVICE TYPE)
 - VENT PIPE (COLOUR DENOTES SERVICE TYPE)
 - GPR LINEAR FEATURE
 - POSSIBLE UNCERTAIN GPR LINEAR FEATURE
 - GPR SCAN AREA EXTENTS
 - COMBINED WATER SEWER RECORDS WITH FLOW DIRECTION
 - FOUL WATER SEWER RECORDS WITH FLOW DIRECTION
 - SURFACE WATER SEWER RECORDS WITH FLOW DIRECTION
 - ELECTRIC RECORDS
 - GAS RECORDS
 - TELECOM BT RECORDS
 - CATV RECORDS
 - VIRGIN MEDIA RECORDS
 - WATER RECORDS
 - CHAMBER/REINFORCED SERVICE DUCT
 - REINFORCING IN CONCRETE SLAB
 - GPR DETECTED ANOMALY/DISTURBED GROUND

- ABBREVIATIONS**
- A APPROXIMATE
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 - CL COVER LEVEL
 - CD CHAMBER DEPTH
 - d DEPTH (metres)
 - DBC DIRECTLY BURIED CABLE
 - DP DRAIN PIPE
 - ER EARTHING ROD
 - Ext Ø EXTERNAL DIAMETER (mm)
 - FN FIRE HYDRANT
 - G GULLY
 - GV GAS VALVE
 - ICWV COMBINED WATER INSPECTION COVER
 - ICW ELECTRICITY INSPECTION COVER
 - ICWw FOUL WATER INSPECTION COVER
 - ICWw SURFACE WATER INSPECTION COVER
 - ICWsu TRAFFIC CONTROLS INSPECTION COVER
 - ICWt TELECOMMUNICATIONS INSPECTION COVER
 - ICu UNKNOWN INSPECTION COVER
 - ICw WATER INSPECTION COVER
 - ID INVERT DEPTH
 - IL INVERT LEVEL
 - JB JUNCTION BOX
 - LP LAMP POST
 - NFI NO FURTHER INFORMATION
 - OD OUTLET DEPTH
 - RE RODDING EYE
 - RWP RAINWATER PIPE
 - SF SOFFIT DEPTH
 - SV STOP VALVE
 - TL TRAFFIC LIGHT
 - TP TELEGRAPH POLE
 - UTR UNABLE TO RAISE
 - UTT UNABLE TO TRACE
 - VP VENT PIPE
 - WD DEPTH TO WATER
 - WL WATER LEVEL
 - WM WATER METER
 - WSV WATER STOP VALVE
 - Ø DIAMETER (mm)

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

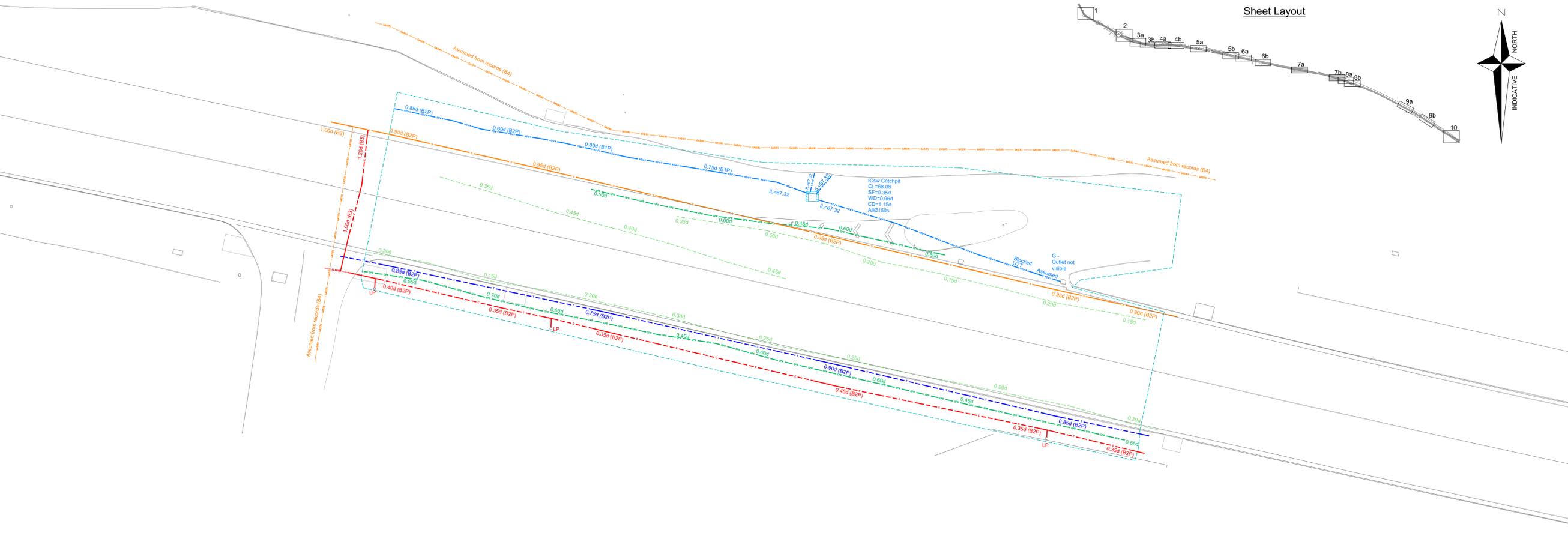
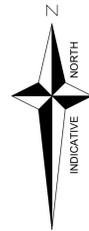
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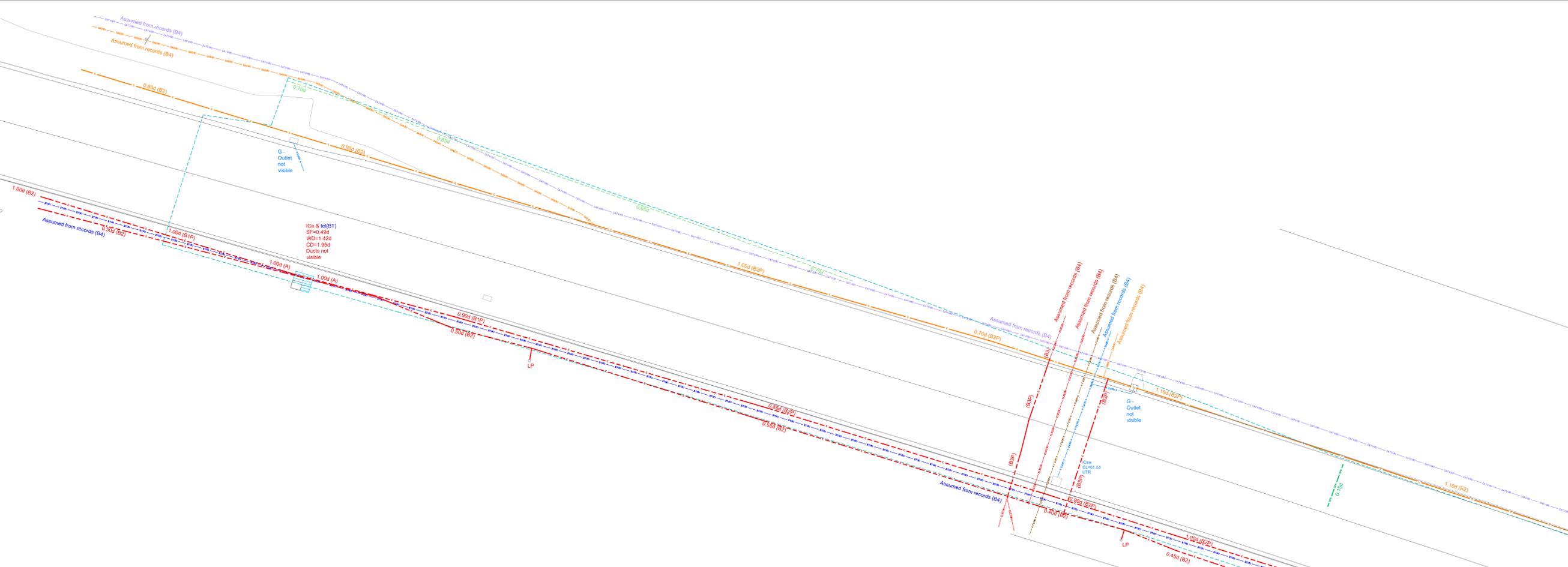
Client	HIGHWAYS ENGLAND
Project Title	A36 WILTON SKEW BRIDGE GPR SURVEY
Drawing Title	PAS128 M3P-M1P* GPR UTILITY SURVEY
Drawn	MW 29/05/20
Checked	JC 29/05/20
Approved	JC 29/05/20
Scale	1:100
Project No.	194834
Drawing File	194834-GPR-2D-01(00)
Drawing No.	194834-GPR-2D-01(00) Sheet 4 of 10



Sheet Layout



PANEL 7a



PANEL 7b

- NOTES**
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 - (13) Services that are marked B4 are assumed from the statutory service drawings.
 - (14) All GPR detected features are to B2P quality level.
 - (15) Services that are marked B2 or B3 have been detected by electromagnetic location only and are outside the GPR scan area.

- KEY**
- BUILDING
 - CHANGE OF SURFACE
 - FENCE
 - KERB / DROP KERB
 - VEGETATION / FOLIAGE
 - BUILDING CANOPY
 - GULLY
 - IC
 - SERVICES & STREET FURNITURE
 - DRAINAGE COMBINED WATER WITH FLOW DIRECTION
 - DRAINAGE FOUL WATER WITH FLOW DIRECTION
 - DRAINAGE SURFACE WATER WITH FLOW DIRECTION
 - ELECTRIC
 - GAS
 - METALLIC
 - TRAFFIC CONTROLS
 - TELECOMS BT
 - TELECOMS CATV
 - TELECOMS SSE
 - TELECOMS MISCELLANEOUS
 - WATER
 - EMPTY DUCT (COLOUR DENOTES SERVICE TYPE)
 - VENT PIPE (COLOUR DENOTES SERVICE TYPE)
 - GPR LINEAR FEATURE
 - POSSIBLE UNCERTAIN GPR LINEAR FEATURE
 - GPR SCAN AREA EXTENTS
 - COMBINED WATER SEWER RECORDS WITH FLOW DIRECTION
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 - SURFACE WATER SEWER RECORDS WITH FLOW DIRECTION
 - ELECTRIC RECORDS
 - GAS RECORDS
 - TELECOM BY RECORDS
 - CATV RECORDS
 - VIRGIN MEDIA RECORDS
 - WATER RECORDS
 - CHAMBER/REINFORCED SERVICE DUCT
 - REINFORCING IN CONCRETE SLAB
 - GPR DETECTED ANOMALY/DISTURBED GROUND

- ABBREVIATIONS**
- A APPROXIMATE
 - BT BRITISH TELECOM
 - CL COVER LEVEL
 - CD CHAMBER DEPTH
 - d DEPTH (metres)
 - DBC DIRECTLY BURIED CABLE
 - DP DRAIN PIPE
 - ER EARTHING ROD
 - Ext Ø EXTERNAL DIAMETER (mm)
 - EH FIRE HYDRANT
 - G GULLY
 - GV GAS VALVE
 - ICsw COMBINED WATER INSPECTION COVER
 - ICE ELECTRICITY INSPECTION COVER
 - ICw FOUL WATER INSPECTION COVER
 - ICsw SURFACE WATER INSPECTION COVER
 - ICtssu TRAFFIC CONTROLS INSPECTION COVER
 - ICtel TELECOMMUNICATIONS INSPECTION COVER
 - ICu UNKNOWN INSPECTION COVER
 - ICw WATER INSPECTION COVER
 - ID INVERT DEPTH
 - IL INVERT LEVEL
 - JB JUNCTION BOX
 - LP LAMP POST
 - NFI NO FURTHER INFORMATION
 - OD OUTLET DEPTH
 - RE RODDING EYE
 - RWP RAINWATER PIPE
 - SF SOFFIT DEPTH
 - SV STOP VALVE
 - TL TRAFFIC LIGHT
 - TP TELEGRAPH POLE
 - UTR UNABLE TO RAISE
 - UTT UNABLE TO TRACE
 - VP VENT PIPE
 - WD DEPTH TO WATER
 - WL WATER LEVEL
 - WM WATER METER
 - WSV WATER STOP VALVE
 - Ø DIAMETER (mm)

Rev	Date	Amendment	Drawn	Chkd	App'd

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Client
HIGHWAYS ENGLAND

Project Title
A36 WILTON SKEW BRIDGE GPR SURVEY

Drawing Title
PAS128 M3P-M1P* GPR UTILITY SURVEY

Drawn	Date	Checked	Date	Approved	Date
MW	29/05/20	JC	29/05/20	JC	29/05/20

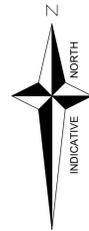
Scale
1:100

Project No.
194834

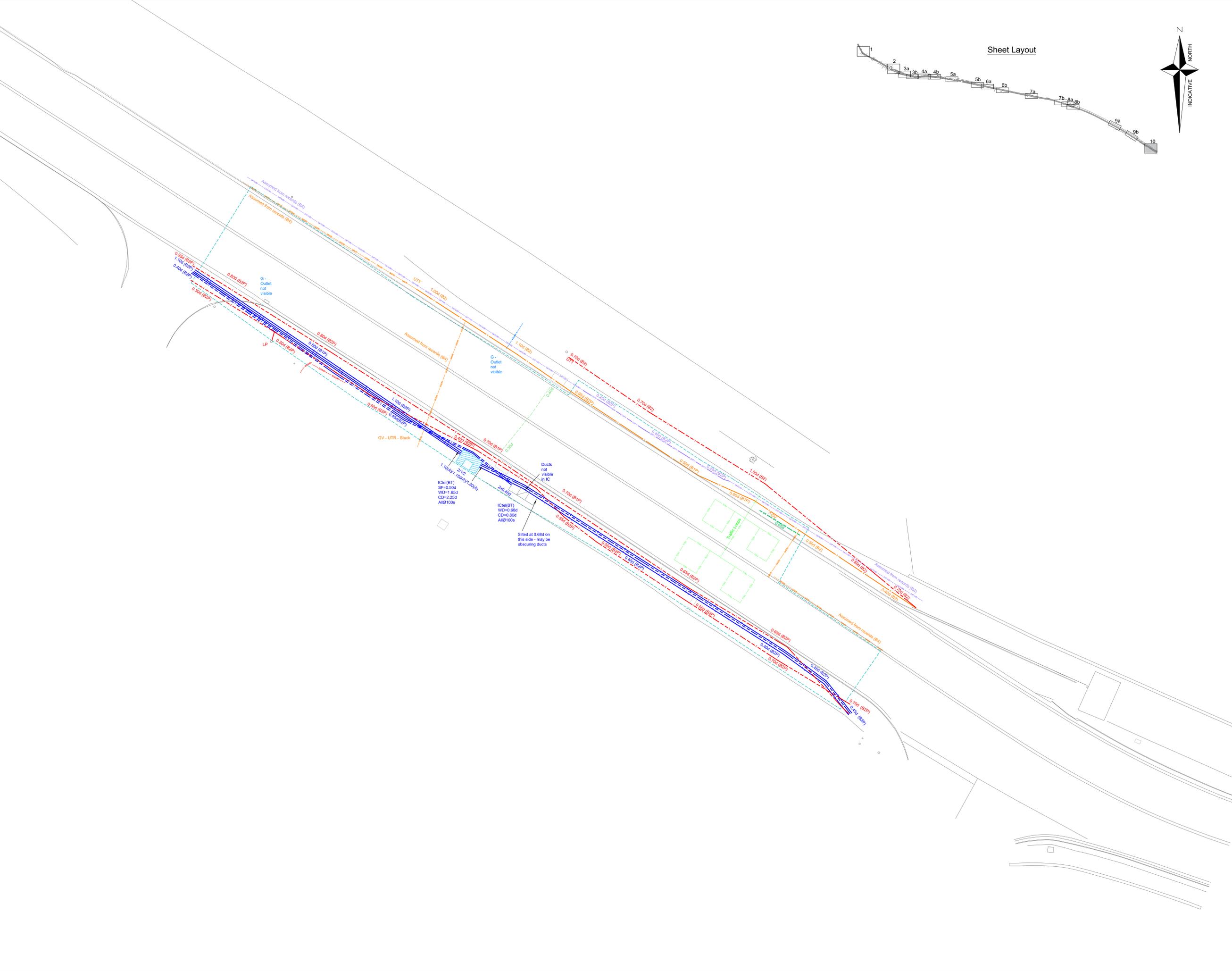
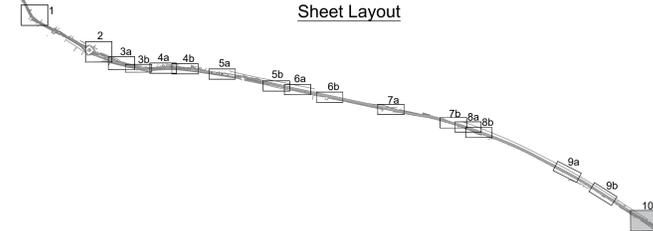
Drawing File
194834-GPR-2D-01(00)

Drawing No.
194834-GPR-2D-01(00) Sheet 7 of 10

- The specific risks associated with the content of this drawing are considered to be:
- (1) The topographical baseplan has been supplied by the client and has not been checked for accuracy.
 - (2) Service routes have been identified by visual site inspection, lifting of inspection covers, and traced with electromagnetic locating techniques.
 - (3) The utility lines represent assumed positions/routes.
 - (4) Depth to top of pipe/features shown in metres.
 - (5) A single line may represent multiple services in the same location.
 - (6) It is recommended that the Client should confirm the location of the geophysical anomalies with hand dug pits within 0.5m to expose buried obstructions and services prior to the commencement of works.
 - (7) Although every reasonable effort has been made to locate the buried services and obstructions using electromagnetic and radar techniques, RSK Environment Ltd cannot guarantee that every obstruction has been located.
 - (8) The GPR utility survey has been carried out to MSP-M1P PAS128 standards.
 - (9) Services that have been viewed and recorded in all ICs that have been raised and detailed are classified as QL-A.
 - (10) Services that are marked B1P have been detected by the GPR and electromagnetic location geophysical techniques.
 - (11) Services that are marked B2P are detected by one geophysical technique only but are within the area covered by the processed GPR data.
 - (12) Services that are marked B3P are detected in the electromagnetic location only, but have a unknown depth.
 - (13) Services that are marked B4 are assumed from the statutory service drawings.
 - (14) All GPR detected features are to B2P quality level.
 - (15) Services that are marked B2 or B3 have been detected by electromagnetic location only and are outside the GPR scan area.



Sheet Layout



KEY

- BUILDING
- - - CHANGE OF SURFACE
- FENCE
- - - KERB / DROP KERB
- - - VEGETATION / FOLIAGE
- - - BUILDING CANOPY
- GULLY
- IC
- SERVICES & STREET FURNITURE
- WATER
- DRAINAGE COMBINED WATER WITH FLOW DIRECTION
- DRAINAGE FOUL WATER WITH FLOW DIRECTION
- DRAINAGE SURFACE WATER WITH FLOW DIRECTION
- ELECTRIC
- GAS
- METALIC
- TRAFFIC CONTROLS
- TELECOMS BT
- TELECOMS CATV
- TELECOMS SSE
- TELECOMS MISCELLANEOUS
- WATER
- EMPTY DUCT (COLOUR DENOTES SERVICE TYPE)
- VENT PIPE (COLOUR DENOTES SERVICE TYPE)
- GPR
- GPR LINEAR FEATURE
- POSSIBLE UNCERTAIN GPR LINEAR FEATURE
- GPR SCAN AREA EXTENTS
- COMBINED WATER SEWER RECORDS WITH FLOW DIRECTION
- FOUL WATER SEWER RECORDS WITH FLOW DIRECTION
- SURFACE WATER SEWER RECORDS WITH FLOW DIRECTION
- ELECTRIC RECORDS
- GAS RECORDS
- TELECOM BT RECORDS
- CATV RECORDS
- VIRGIN MEDIA RECORDS
- WATER RECORDS
- ▨ CHAMBER/REINFORCED SERVICE DUCT
- ▨ REINFORCING IN CONCRETE SLAB
- ▨ GPR DETECTED ANOMALY/DISTURBED GROUND

ABBREVIATIONS

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Scale	1:100	Orig Size	A0	Dimensions	
Project No.	194834	Drawing File	194834-GPR-2D-01(00)		
Drawing No.	194834-GPR-2D-01(00) Sheet 10 of 10				

