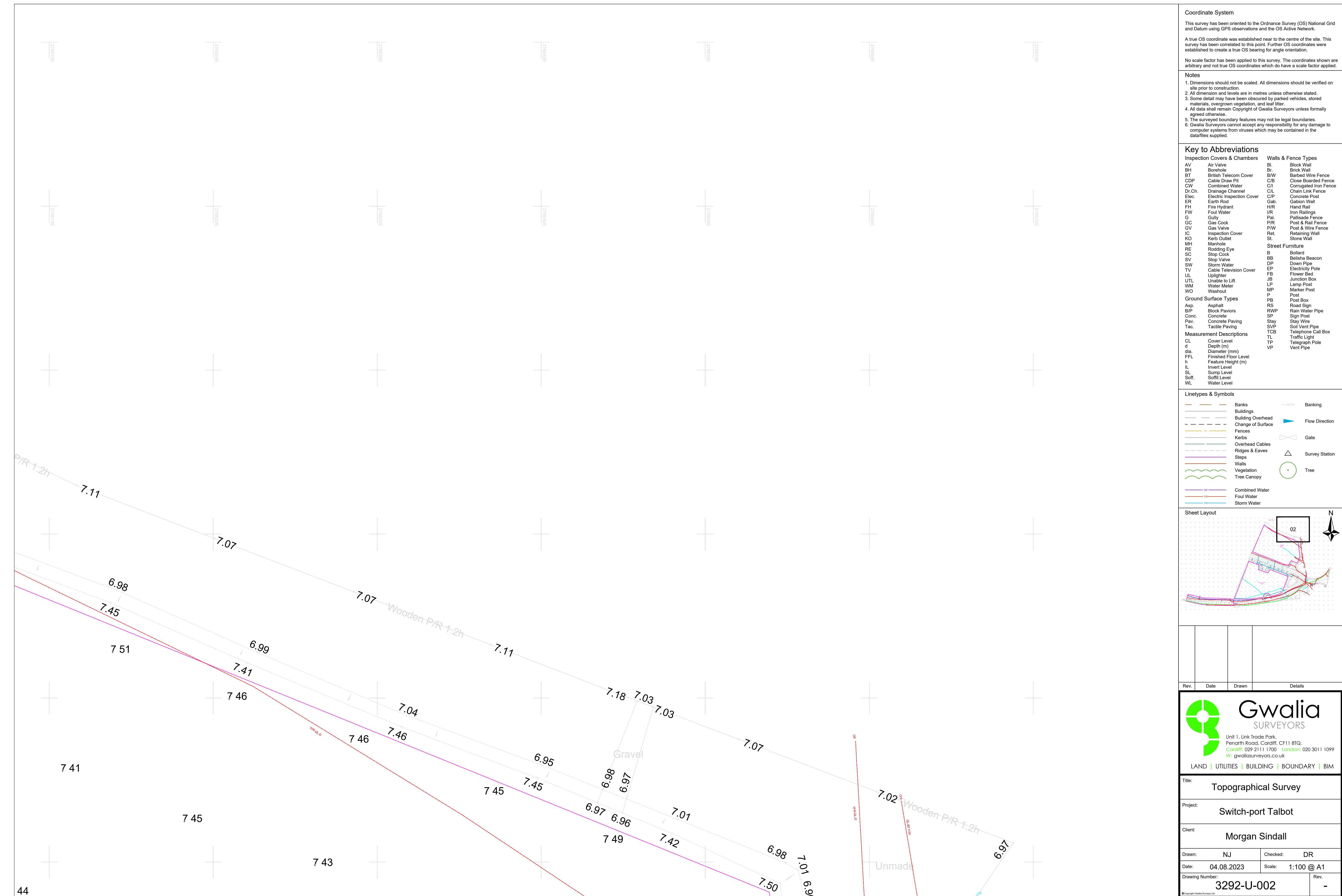
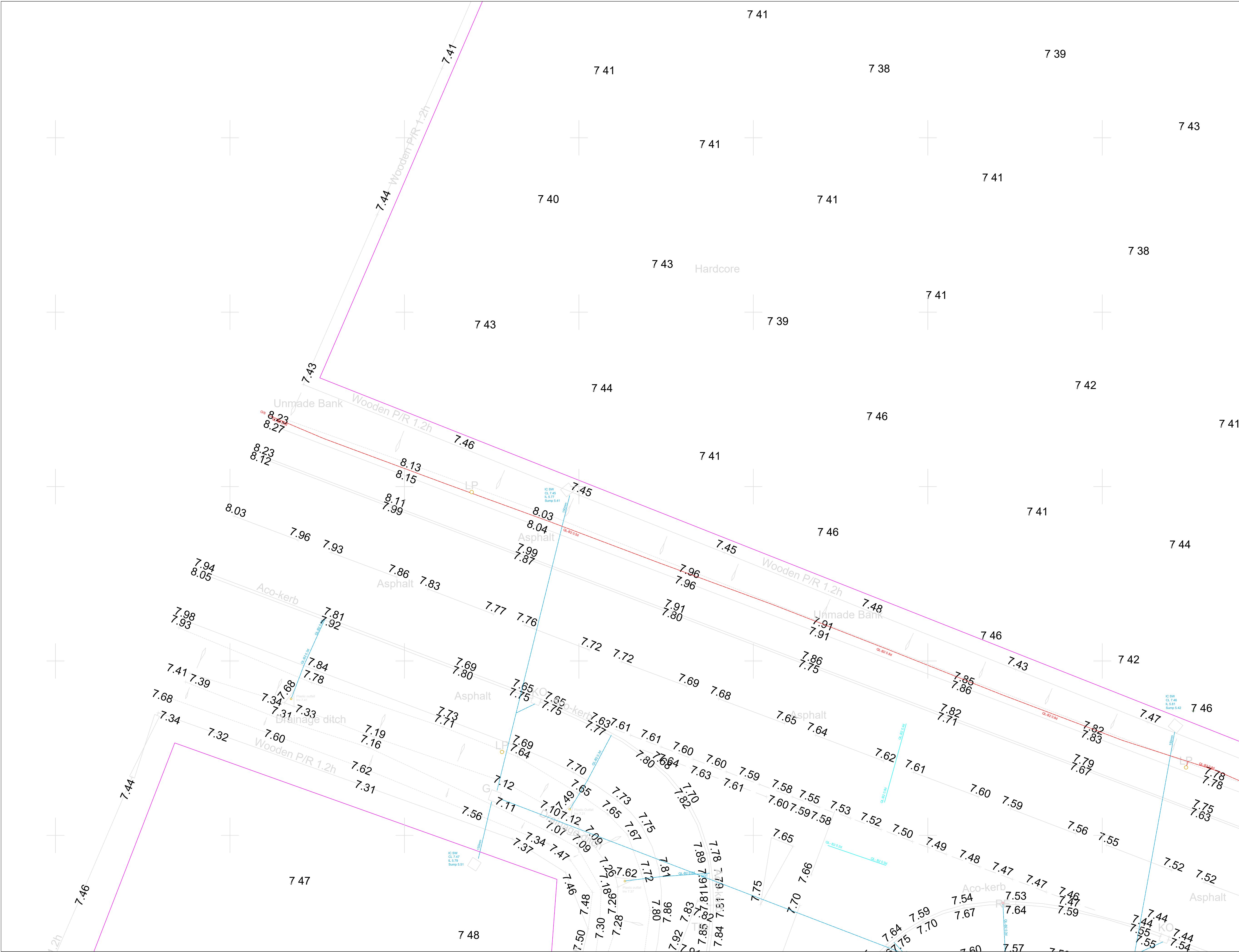






Coordinate System

This survey has been oriented to the Ordnance Survey (OS) National Grid and Datum using GPS observations and the OS Active Network.

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Key to Abbreviations

Inspection Covers & Chambers	Walls & Fence Types
AV Air Valve	Bl. Block Wall
BH Borehole	Br. Brick Wall
BT British Telecom Cover	Br/W Barbed Wire Fence
CDP Cable Draw Pit	CB Close Boarded Fence
CW Combined Water	C/I Corrugated Iron Fence
Dr.Ch. Drainage Channel	C/L Chain Link Fence
Elec. Electric Inspection Cover	CP Concrete Post
ER Earth Rod	Gab. Gabion Wall
EH Fire Hydrant	H/R Hand Rail
FW Foul Water	I/R Iron Railings
G Gully	Pailade Fence
GC Gas Cock	P/R Post & Rail Fence
GV Gas Valve	P/W Post & Wire Fence
IC Inspection Cover	Ret. Retaining Wall
KO Kerb Outlet	St. Stone Wall
MH Manhole	
RE Rodding Eye	
SC Stop Cock	
SV Stop Valve	
SW Storm Water	
TV Cable Television Cover	
UL Up-lighter	
UTL Unable to Lift	
WM Water Meter	
WO Washout	

Street Furniture
B Bollard
BB Belisha Beacon
DP Down Pipe
EP Electricity Pole
FB Flower Bed
JB Junction Box
LP Lamp Post
MP Marker Post
P Post
PB Post Box
RS Road Sign
RWP Rain Water Pipe
SP Sign Post
Stay Stay Wire
SVP Soil Vent Pipe
TCB Telephone Call Box
TL Traffic Light
TP Telegraph Pole
VP Vent Pipe

Ground Surface Types

Asp. Asphalt
B/P Block Paviers
Conc. Concrete
Pav. Concrete Paving
Tad. Tactile Paving
SVP Soil Vent Pipe

Measurement Descriptions

CL Cover Level
d Depth (m)
dia. Diameter (mm)
FFL Finished Floor Level
h Feature Height (m)
IL Invert Level
SL Sump Level
Soff. Soffit Level
WL Water Level

Linetypes & Symbols

— Banks	— Banking
— Buildings	— Flow Direction
— Building Overhead	— Gate
— Change of Surface	— Survey Station
— Fences	— Tree
— Kerbs	
— Overhead Cables	
— Ridges & Eaves	
— Steps	
— Walls	
— Vegetation	
— Tree Canopy	

— Combined Water	
— Foul Water	
— Storm Water	

Sheet Layout

Rev.	Date	Drawn	Details

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Penarth Road, Cardiff, CF11 8TQ.
Cardiff: 029 2111 1700 London: 020 3011 1099
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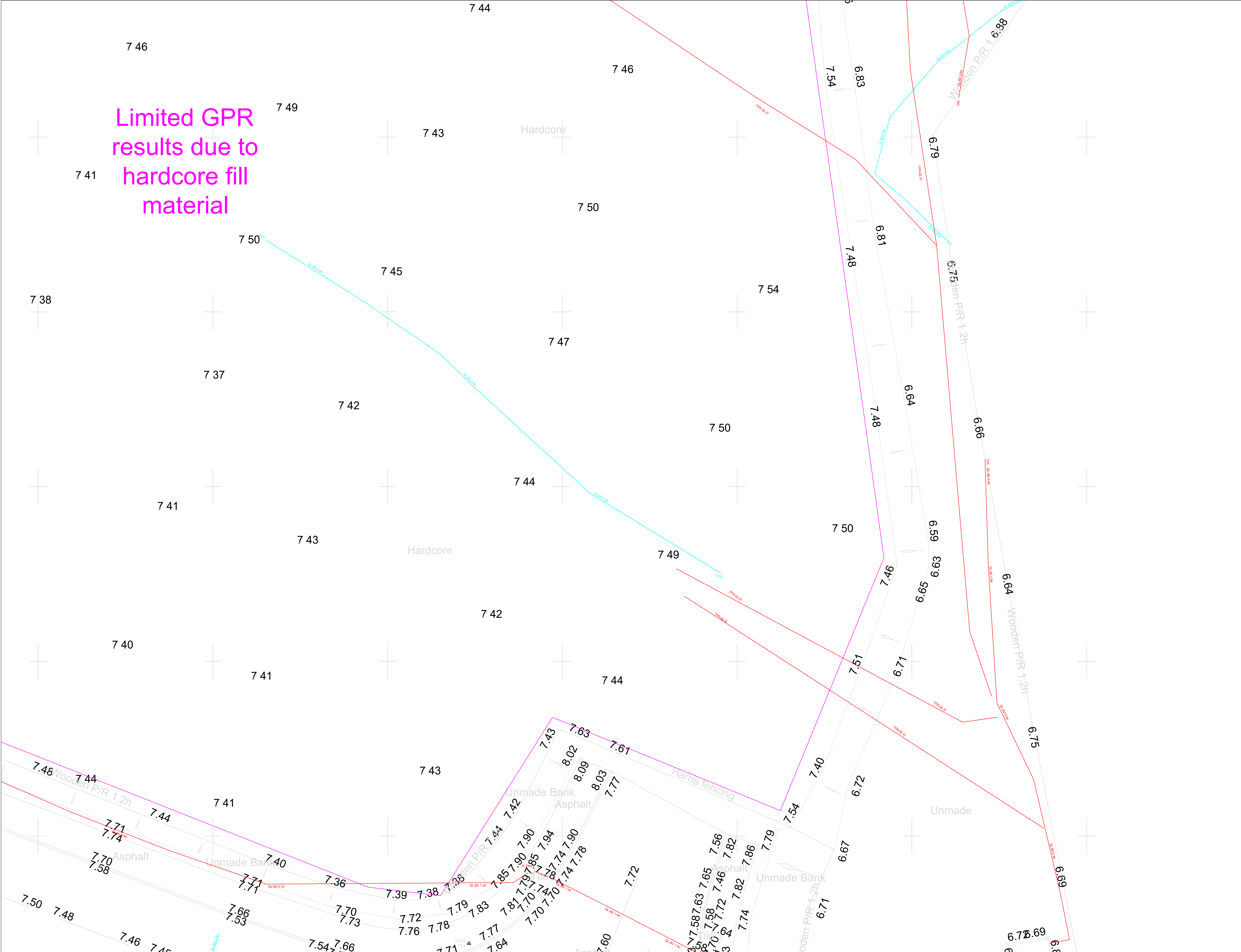
LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title: **Topographical Survey**

Project: **Switch-port Talbot**

Client: **Morgan Sindall**

Drawn: NJ	Checked: DR
Date: 04.08.2023	Scale: 1:100 @ A1
Drawing Number: 3292-U-003	Rev. -



Coordinate System

This survey has been oriented to the Ordnance Survey (OS) National Grid and Datum using GPS observations and the OS Active Network.

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Key to Abbreviations

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BT British Telecom Cover	Br/W Barbed Wire Fence
CDP Cable Draw Pit	CB Close Boarded Fence
CW Combined Water	C/I Corrugated Iron Fence
Dr.Ch. Drainage Channel	C/L Chain Link Fence
Elec. Electric Inspection Cover	CP Concrete Post
ER Earth Rod	Gab. Gabion Wall
EH Fire Hydrant	H/R Hand Rail
FW Foul Water	I/R Iron Railings
G Gully	Pal. Palisade Fence
GC Gas Cock	P/R Post & Rail Fence
GV Gas Valve	P/W Post & Wire Fence
IC Inspection Cover	Ret. Retaining Wall
KO Kerb Outlet	St. Stone Wall
MH Manhole	
RE Rodding Eye	
SC Stop Cock	
SV Stop Valve	
SW Storm Water	
TV Cable Television Cover	
UL Uplighter	
UTL Unable to Lift	
WM Water Meter	
WO Washout	
Ground Surface Types	Street Furniture
Asp. Asphalt	B Bollard
B/P Block Paviers	BB Belisha Beacon
Conc. Concrete	DP Down Pipe
Pav. Concrete Paving	EP Electricity Pole
Tac. Tactile Paving	FB Flower Bed
SVP Soil Vent Pipe	JB Junction Box
	LP Lamp Post
	MP Marker Post
	P Post
	PB Post Box
	RS Road Sign
	RWP Rain Water Pipe
	SP Sign Post
	Stay Stay Wire
	SVP Soil Vent Pipe
	TCB Telephone Call Box
	TL Traffic Light
	TP Telegraph Pole
	VP Vent Pipe

Linetypes & Symbols

— Banks	— Banking
— Buildings	— Flow Direction
— Building Overhead	— Gate
— Change of Surface	— Survey Station
— Fences	— Tree
— Kerbs	
— Overhead Cables	
— Ridges & Eaves	
— Steps	
— Walls	
— Vegetation	
— Tree Canopy	
— Combined Water	
— Foul Water	
— Storm Water	

Sheet Layout

Rev.	Date	Drawn	Details

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Penarth Road, Cardiff, CF11 8TQ.
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W: gwaliasurveyors.co.uk

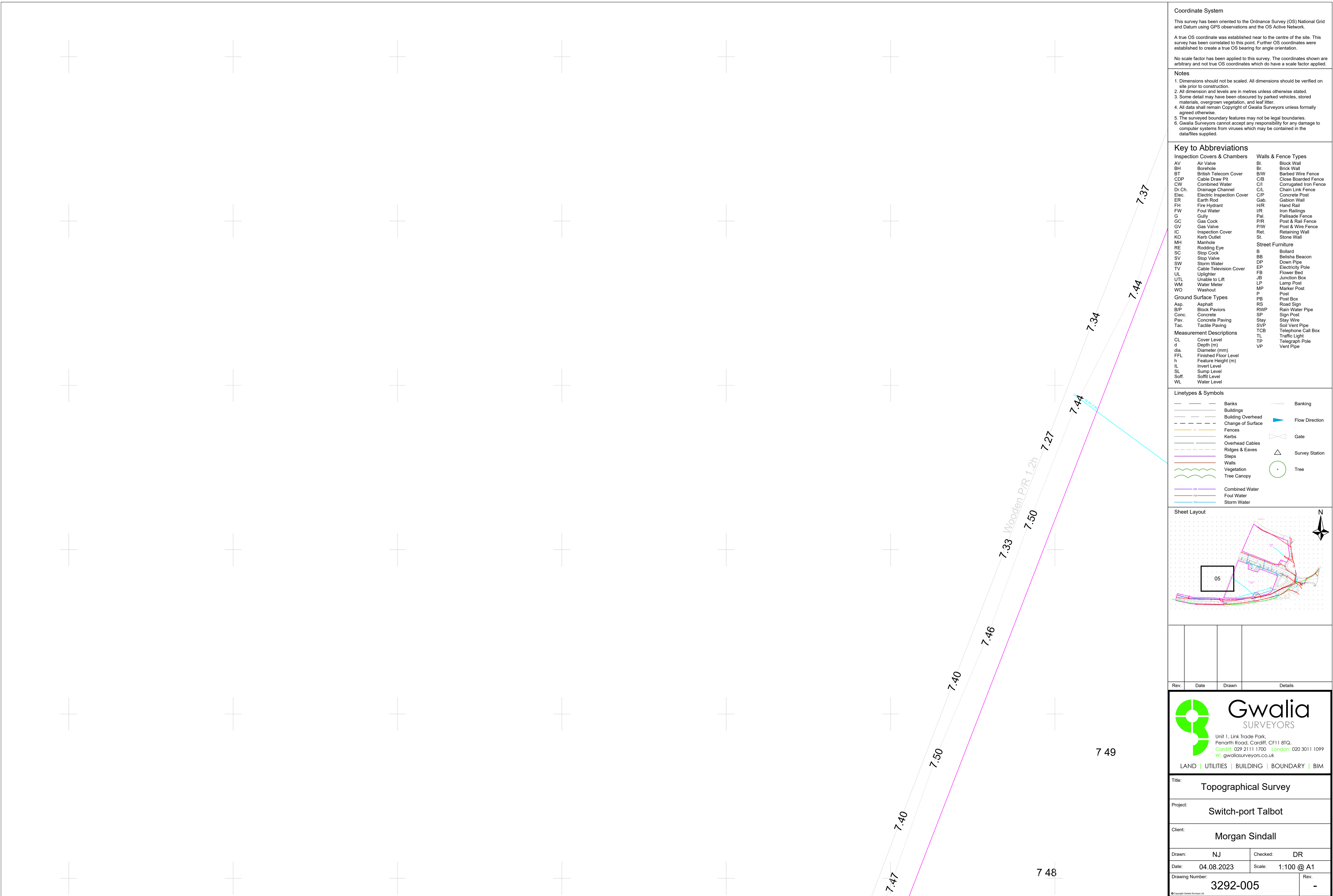
LAND | UTILITIES | BUILDING | BOUNDARY | BIM

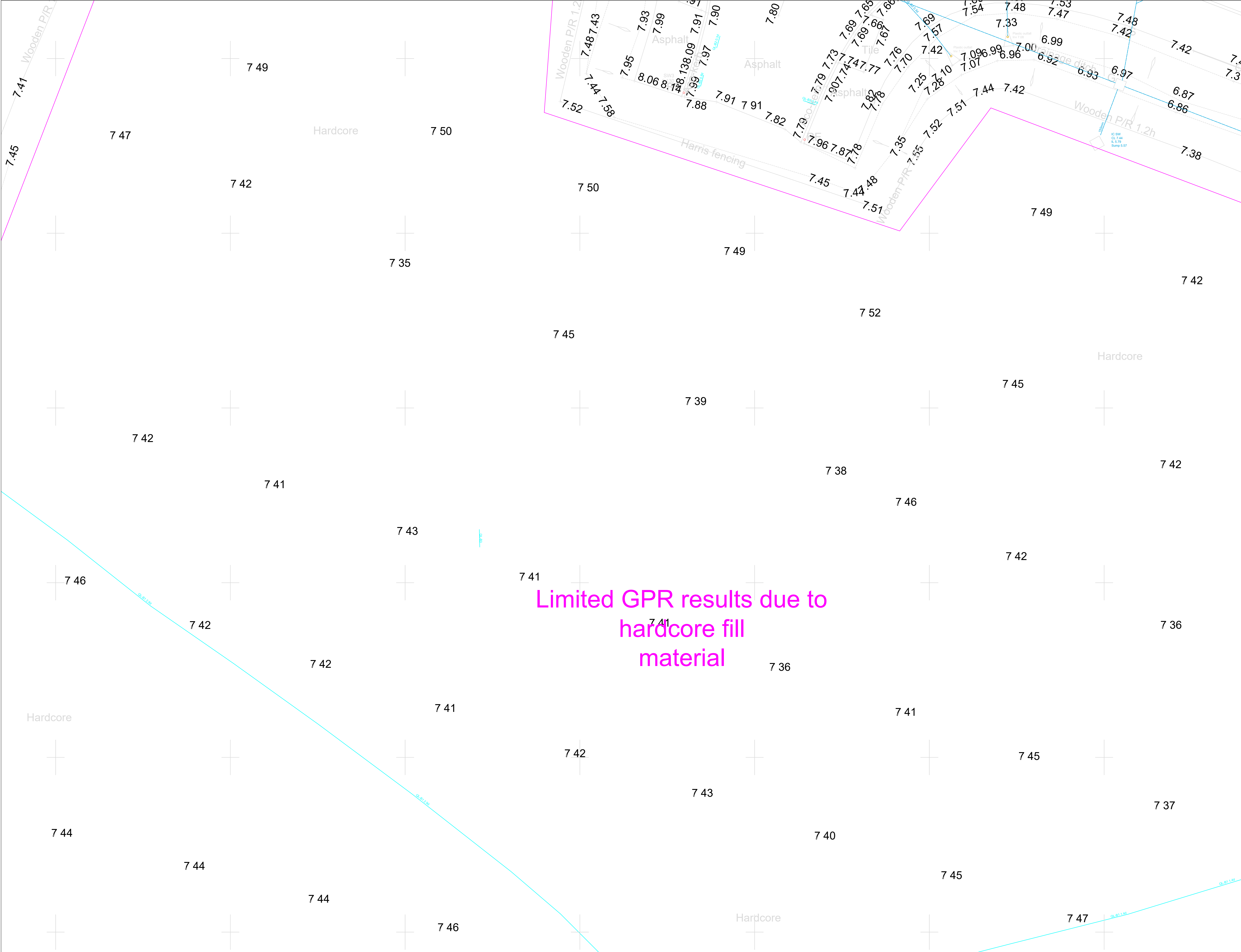
Title: **Topographical Survey**

Project: **Switch-port Talbot**

Client: **Morgan Sindall**

Drawn: NJ	Checked: DR
Date: 04.08.2023	Scale: 1:100 @ A1
Drawing Number: 3292-U-004	Rev. -





Coordinate System

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Dr.Ch. Drainage Channel	C/L Chain Link Fence
Elec. Electric Inspection Cover	CP Concrete Post
ER Earth Rod	Gab. Gabion Wall
FH Fire Hydrant	H/R Hand Rail
FW Foul Water	I/R Iron Railings
G Gully	Pal. Palisade Fence
GC Gas Cock	P/R Post & Rail Fence
GV Gas Valve	P/W Post & Wire Fence
IC Inspection Cover	Ret. Retaining Wall
KO Kerb Outlet	St. Stone Wall
MH Manhole	
RE Rodding Eye	
SC Stop Cock	
SV Stop Valve	
SW Storm Water	
TV Cable Television Cover	
UL Uplighter	
UTL Unable to Lift	
WM Water Meter	
WO Washout	

Street Furniture

B Bollard
BB Belisha Beacon
DP Down Pipe
EP Electricity Pole
FB Flower Bed
JB Junction Box
LP Lamp Post
MP Marker Post
P Post
PB Post Box
RS Road Sign
RWP Rain Water Pipe
SP Sign Post
Stay Stay Wire
SVP Soil Vent Pipe
TCB Telephone Call Box
TL Traffic Light
TP Telegraph Pole
VP Vent Pipe

Ground Surface Types

Asp. Asphalt
B/P Block Pavings
Conc. Concrete
Pav. Concrete Paving
Tac. Tactile Paving
SVP Soil Vent Pipe

Measurement Descriptions

CL Cover Level
d Depth (m)
dia. Diameter (mm)
FFL Finished Floor Level
h Feature Height (m)
IL Invert Level
SL Sump Level
Soff. Soffit Level
WL Water Level

Linetypes & Symbols

Banks	Banking
Buildings	
Building Overhead	
Change of Surface	
Fences	
Kerbs	
Overhead Cables	
Ridges & Eaves	
Steps	
Walls	
Vegetation	
Tree Canopy	
Combined Water	
Foul Water	
Storm Water	

Sheet Layout

Rev.	Date	Drawn	Details

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Cardiff: 029 2111 1700 London: 020 3011 1099
W: gwaliasurveyors.co.uk

LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title: **Topographical Survey**

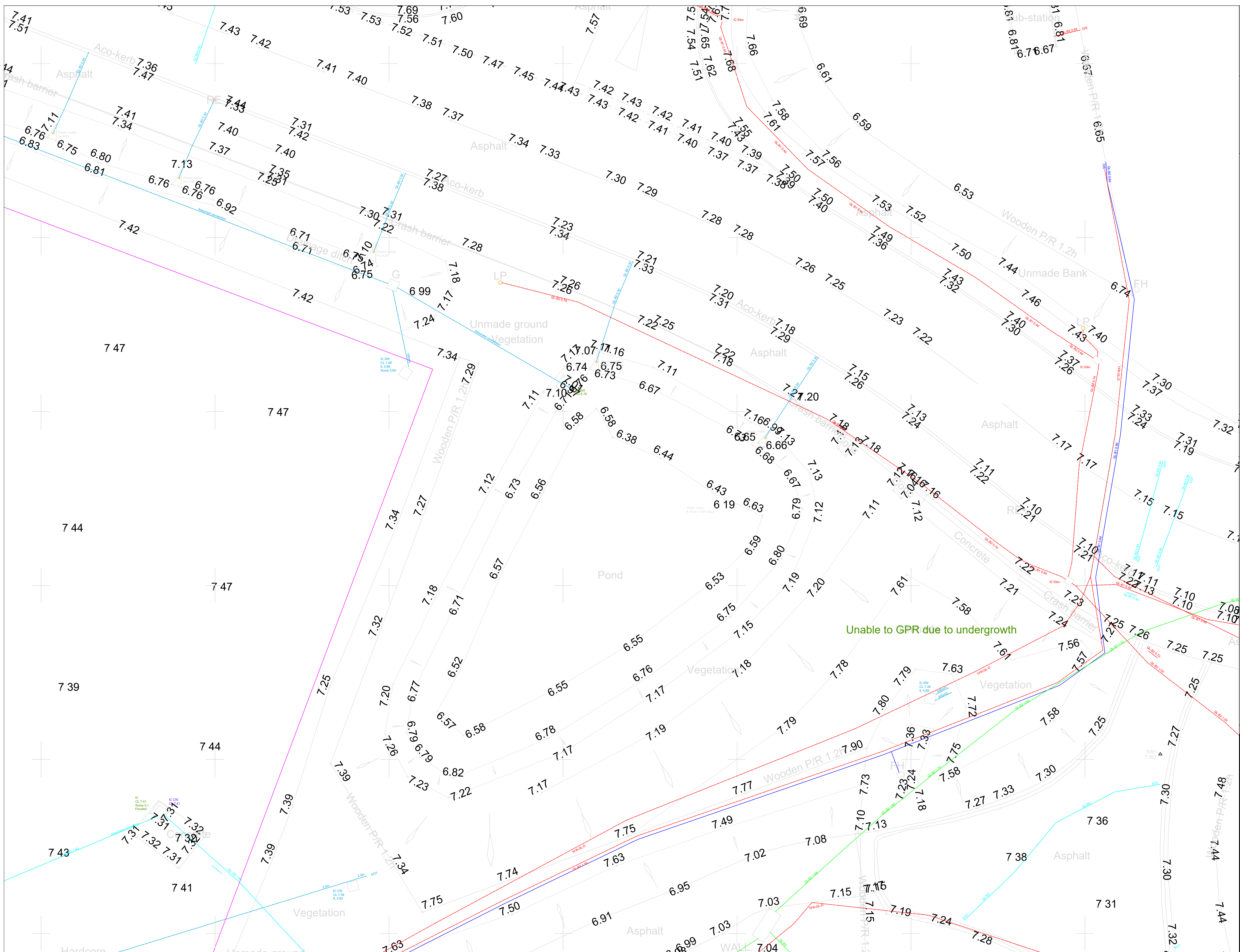
Project: **Switch-port Talbot**

Client: **Morgan Sindall**

Drawn: NJ	Checked: DR
Date: 04.08.2023	Scale: 1:100 @ A1

Drawing Number: 3292-U-006	Rev. -
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This survey has been oriented to the Ordnance Survey (OS) National Grid and Datum using GPS observations and the OS Active Network.

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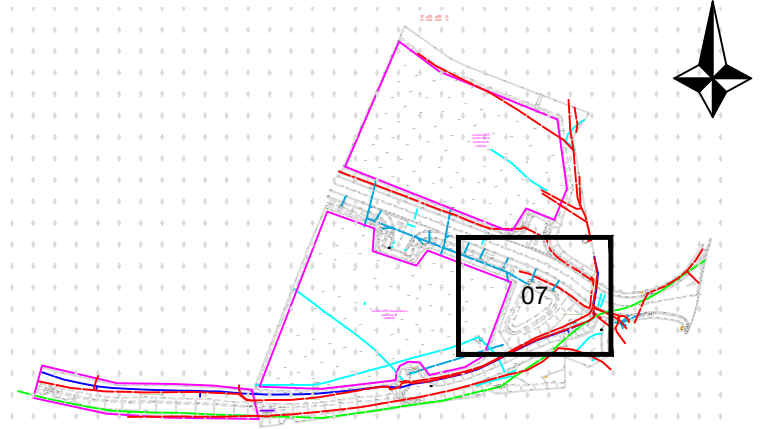
Key to Abbreviations

Inspection Covers & Chambers		Walls & Fence Types	
AV	Air Valve	BI	Block Wall
BH	Borehole	BIW	Barbed Wire Fence
CDT	Cable Drilled Telecom Cover	B/W	Barbed Wire Fence
CB	Cable Draw Pit	C/B	Cable Bored Fence
CC	Combined Water	C/C	Corrugated Iron Fence
Ch. Ch.	Chemical Chamber	CL	Chain Link Fence
EW	Electric Inspection Cover	C/P	Concrete Post
ER	Earth Rod	Gab.	Gabion Wall
EH	Electric Hazard	H	Hand Rail
FW	Full Water	I/R	Iron Railings
G	Gully	P	Palisade Fence
GC	Gas Casing	P/R	Post & Rail Fence
GV	Gas Valve	P/W	Post & Wire Fence
IC	Inspection Cover	RE	Retaining Wall
KO	Kerb Outlet	St.	Stone Wall
MH	Manhole	Street Furniture	
RE	Rodding Eye	BB	Bollard
SC	Stop Cock	BB	Belisha Beacon
SV	Stop Valve	DP	Down Pipe
SW	Storm Water	EP	Electricity Pole
TV	Cable Television Cover	FB	Flower Bed
UL	Uplighter	JB	Junction Box
UML	Underwater Light	LP	Lamp Post
UT	Unable to Meter	MB	Manhole
WO	Washout	P	Post
Ground Surface Types		PS	Post Box
Asp.	Asphalt	RS	Road Sign
B/P	Block Pavers	RWP	Rain Water Pipe
Conc.	Concrete	SG	Sign Post
Pav.	Concrete Paving	Stay	Stay Wire
Tac.	Tarmac Paving	SVF	Soil Vent Pipe
Measurement Descriptions		TCB	Telephone Call Box
CL	Cover Level	TL	Traffic Light
D	Depth (m)	TE	Telegraph Pole
VP	Vertical Pipe	VP	Vent Pipe

Linetypes & Symbols

	Banks		Banking
	Buildings		
	Building Overhead		
	Change of Surface		Flow Direction
	Fences		
	Kerbs		Gate
	Overhead Cables		
	Ridges & Eaves		Survey Station
	Steps		
	Walls		Tree
	Vegetation		
	Tree Canopy		
	Combined Water		
	Foul Water		
	Storm Water		

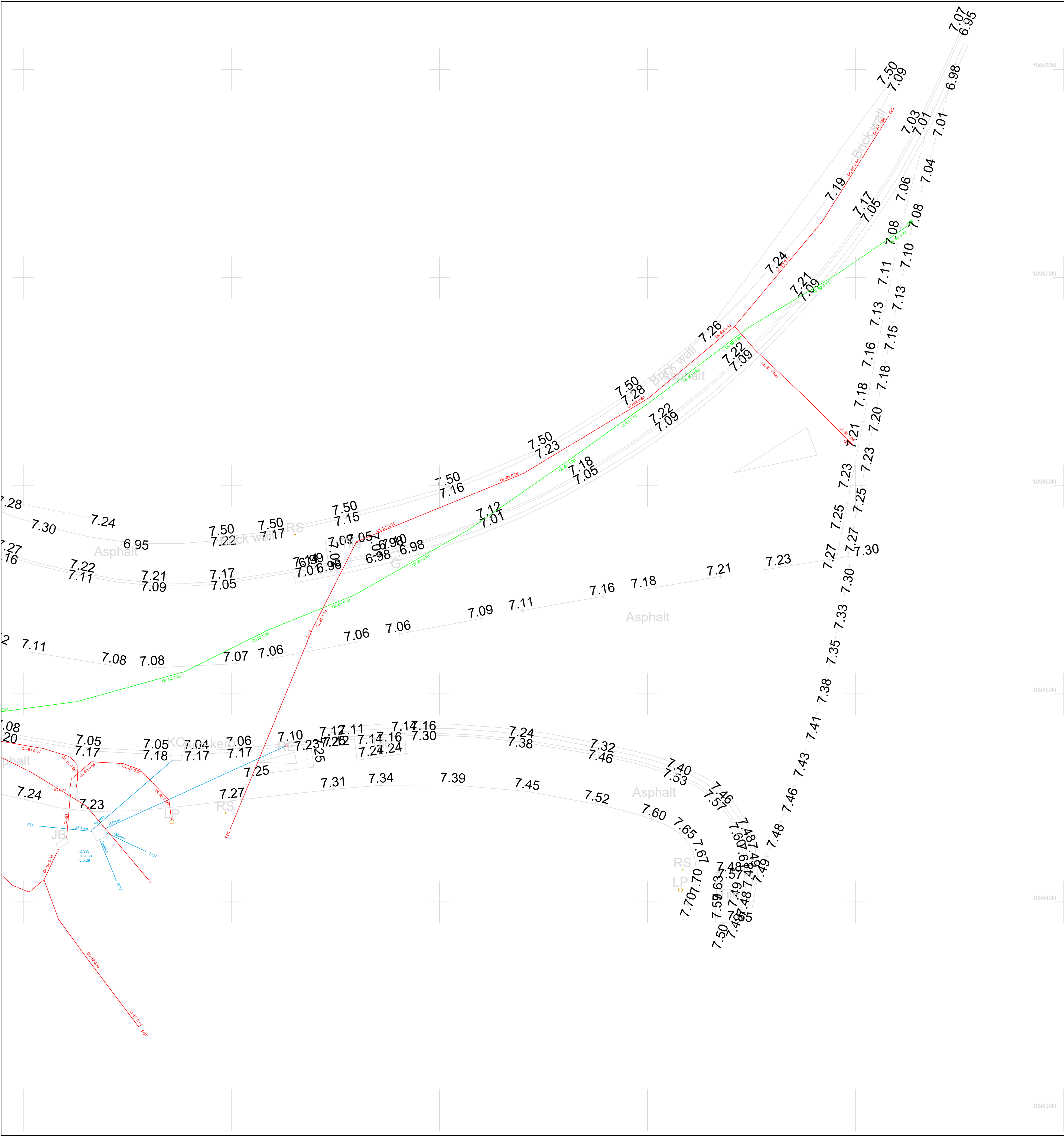
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Title:	Topographical Survey		
Project:	Switch-port Talbot		
Client:	Morgan Sindall		
Drawn:	NJ	Checked:	DR
Date:	04.08.2023	Scale:	1:100 @ A1
Drawing Number:	3292-U-007		Rev. -
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Coordinate System

This survey has been oriented to the Ordnance Survey (OS) National Grid and Datum using GPS observations and the OS Active Network.

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Key to Abbreviations

Inspection Covers & Chambers	Walls & Fence Types
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BT British Telecom Cover	B/W Barbed Wire Fence
CDP Cable Draw Pit	CB Close Boarded Fence
CW Combined Water	C/I Corrugated Iron Fence
Dr.Ch. Drainage Channel	C/L Chain Link Fence
Elec. Electric Inspection Cover	CP Concrete Post
ER Earth Rod	Gab. Gabion Wall
FH Fire Hydrant	H/R Hand Rail
FW Foul Water	I/R Iron Railings
G Gully	Pal. Pailade Fence
GC Gas Cock	P/R Post & Rail Fence
GV Gas Valve	P/W Post & Wire Fence
IC Inspection Cover	Ret. Retaining Wall
KO Kerb Outlet	St. Stone Wall
MH Manhole	
RE Rodding Eye	
SC Stop Cock	
SV Stop Valve	
SW Storm Water	
TV Cable Television Cover	
UL Uplighter	
UTL Unable to Lift	
WM Water Meter	
WO Washout	

Ground Surface Types	Street Furniture
Asp. Asphalt	B Bollard
B/P Block Paviors	BB Belisha Beacon
Conc. Concrete	DP Down Pipe
Pav. Concrete Paving	EP Electricity Pole
Tac. Tactile Paving	FB Flower Bed
SVP Soil Vent Pipe	JB Junction Box
TCB Telephone Call Box	LP Lamp Post
TL Traffic Light	MP Marker Post
TP Telegraph Pole	P Post
VP Vent Pipe	PB Post Box

Measurement Descriptions	
CL Cover Level	
d Depth (m)	
dia. Diameter (mm)	
FFL Finished Floor Level	
h Feature Height (m)	
IL Invert Level	
SL Sump Level	
Soff. Soffit Level	
WL Water Level	

Linetypes & Symbols

— Banks	Banking
— Buildings	
— Building Overhead	Flow Direction
- - - Change of Surface	Gate
- - - Fences	Survey Station
— Kerbs	Tree
— Overhead Cables	
— Ridges & Eaves	
- - - Steps	
— Walls	
— Vegetation	
— Tree Canopy	

— Combined Water	
— Foul Water	
— Storm Water	

Sheet Layout

Rev.	Date	Drawn	Details

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W: gwaliasurveyors.co.uk

LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title: **Topographical Survey**

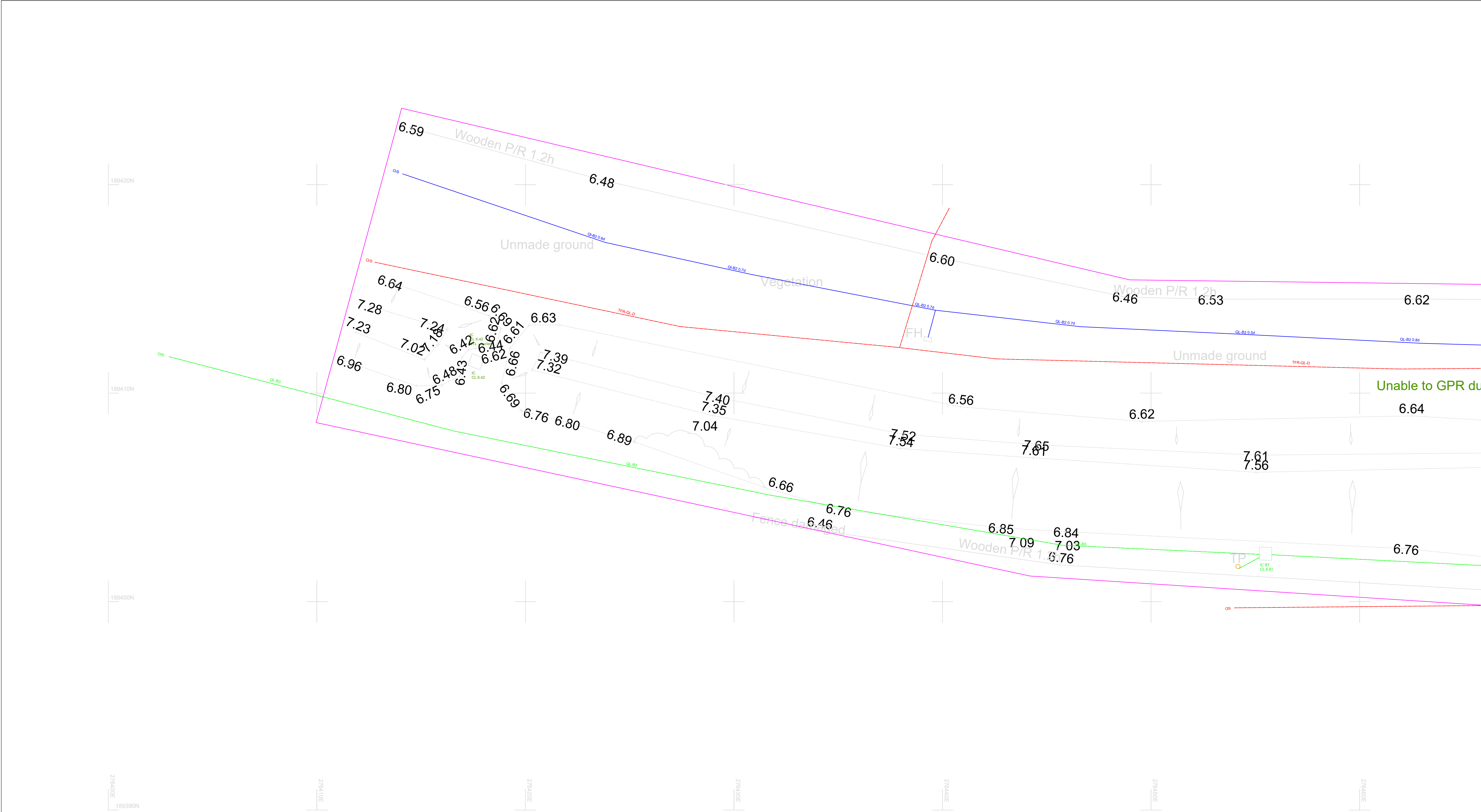
Project: **Switch-port Talbot**

Client: **Morgan Sindall**

Drawn: NJ	Checked: DR
Date: 04.08.2023	Scale: 1:100 @ A1

Drawing Number: 3292-U-008	Rev. -
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Coordinate System

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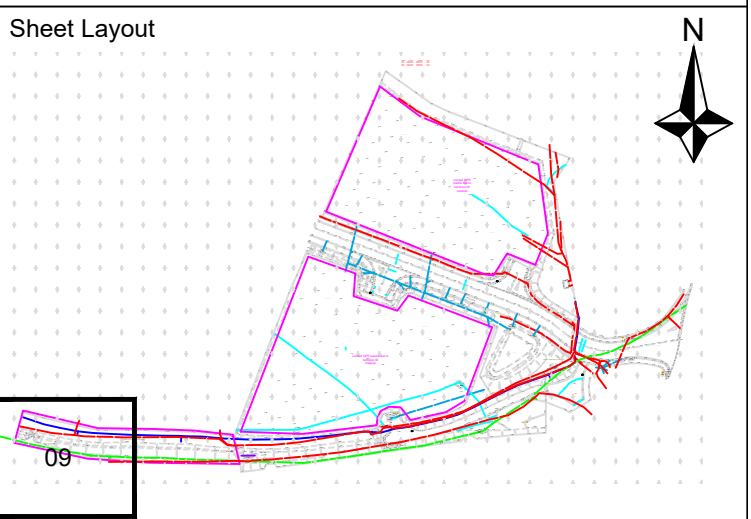
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Key to Abbreviations	
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Dr.Ch. Drainage Channel	C/L Chain Link Fence
Elec. Electric Inspection Cover	CP Concrete Post
ER Earth Rod	Gab. Gabion Wall
FH Fire Hydrant	H/R Hand Rail
FW Foul Water	I/R Iron Railings
G Gully	Pal. Palisade Fence
GC Gas Cock	P/R Post & Rail Fence
GV Gas Valve	P/W Post & Wire Fence
IC Inspection Cover	Ret. Retaining Wall
KO Kerb Outlet	St. Stone Wall
MH Manhole	
RE Rodding Eye	Street Furniture
SC Stop Cock	B Bollard
SV Stop Valve	BB Belisha Beacon
SW Storm Water	DP Down Pipe
TV Cable Television Cover	EP Electricity Pole
UL Uplighter	FB Flower Bed
UTL Unable to Lift	JB Junction Box
WM Water Meter	LP Lamp Post
WO Washout	MP Marker Post
	P Post
	PB Post Box
	RS Road Sign
	RWP Rain Water Pipe
	SP Sign Post
	Stay Stay Wire
	SVP Soil Vent Pipe
	TCB Telephone Call Box
	TL Traffic Light
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Ground Surface Types	
Asp. Asphalt	
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Tac. Tactile Paving	
SVP Soil Vent Pipe	
Measurement Descriptions	
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dia. Diameter (mm)	
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Linetypes & Symbols	
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	Steps
	Walls
	Vegetation
	Tree Canopy
	Combined Water
	Foul Water
	Storm Water
	Banking
	Flow Direction
	Gate
	Survey Station
	Tree



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Rev.	Date	Drawn	Details
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Cardiff: 029 2111 1700 London: 020 3011 1099
W: gwaliasurveyors.co.uk

LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title:
Topographical Survey

Project:
Switch-port Talbot

Client:
Morgan Sindall

Drawn: NJ

Checked: DR

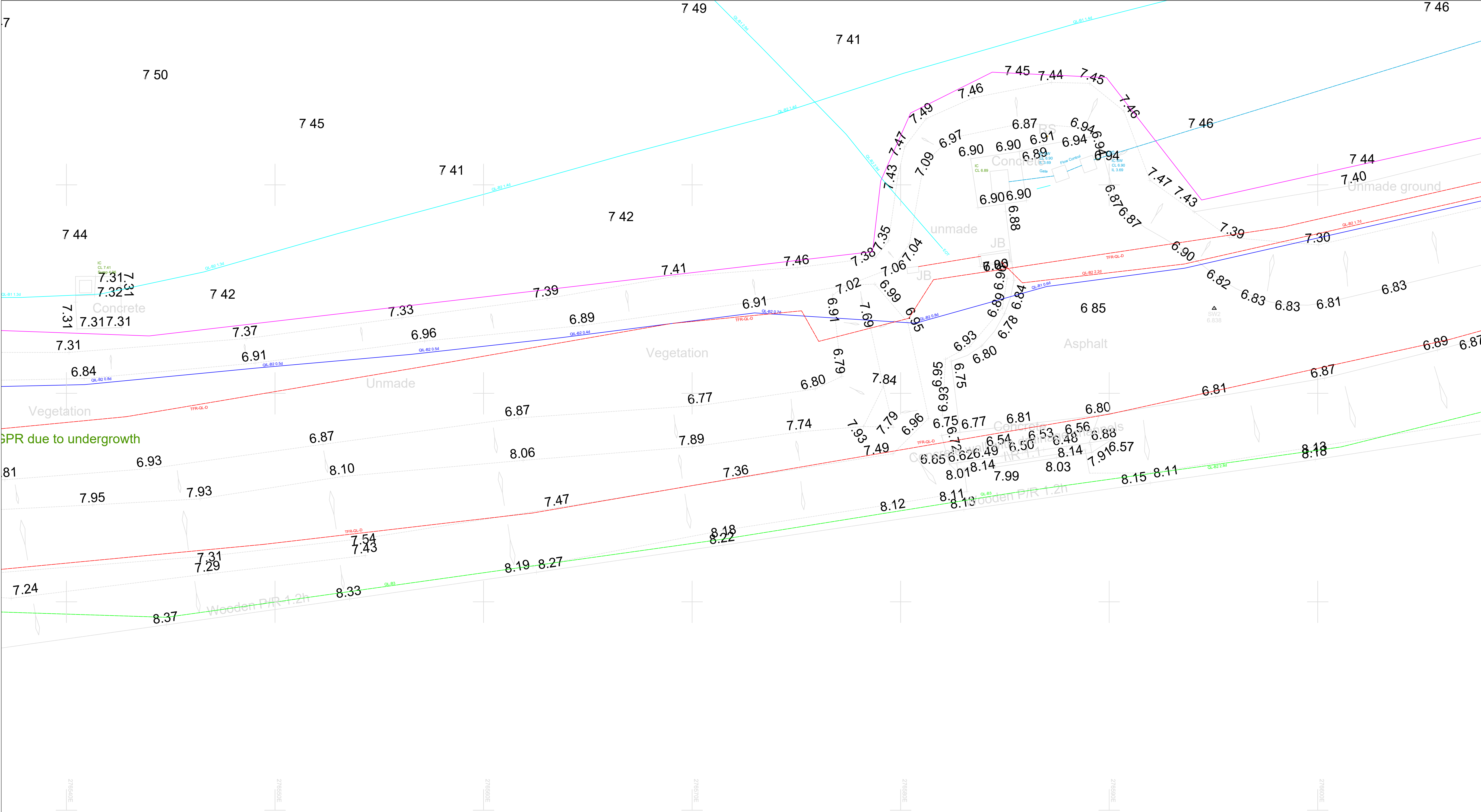
Date: 04.08.2023

Scale: 1:100 @ A1

Drawing Number:
3292-U-009

Rev.
-

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Coordinate System

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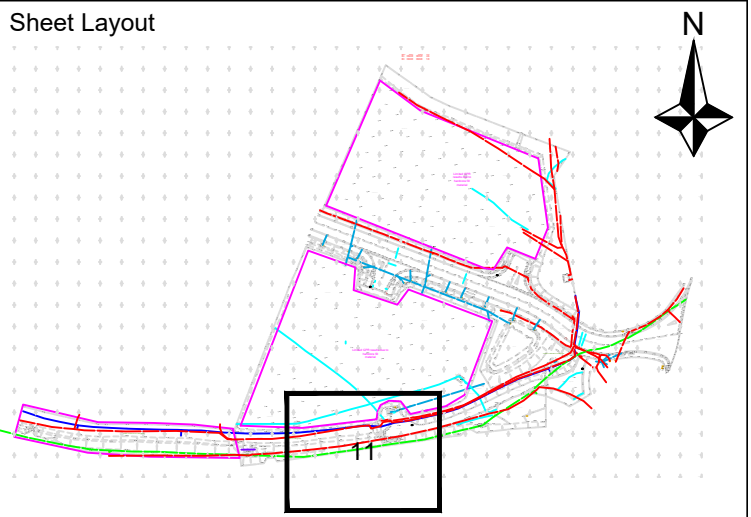
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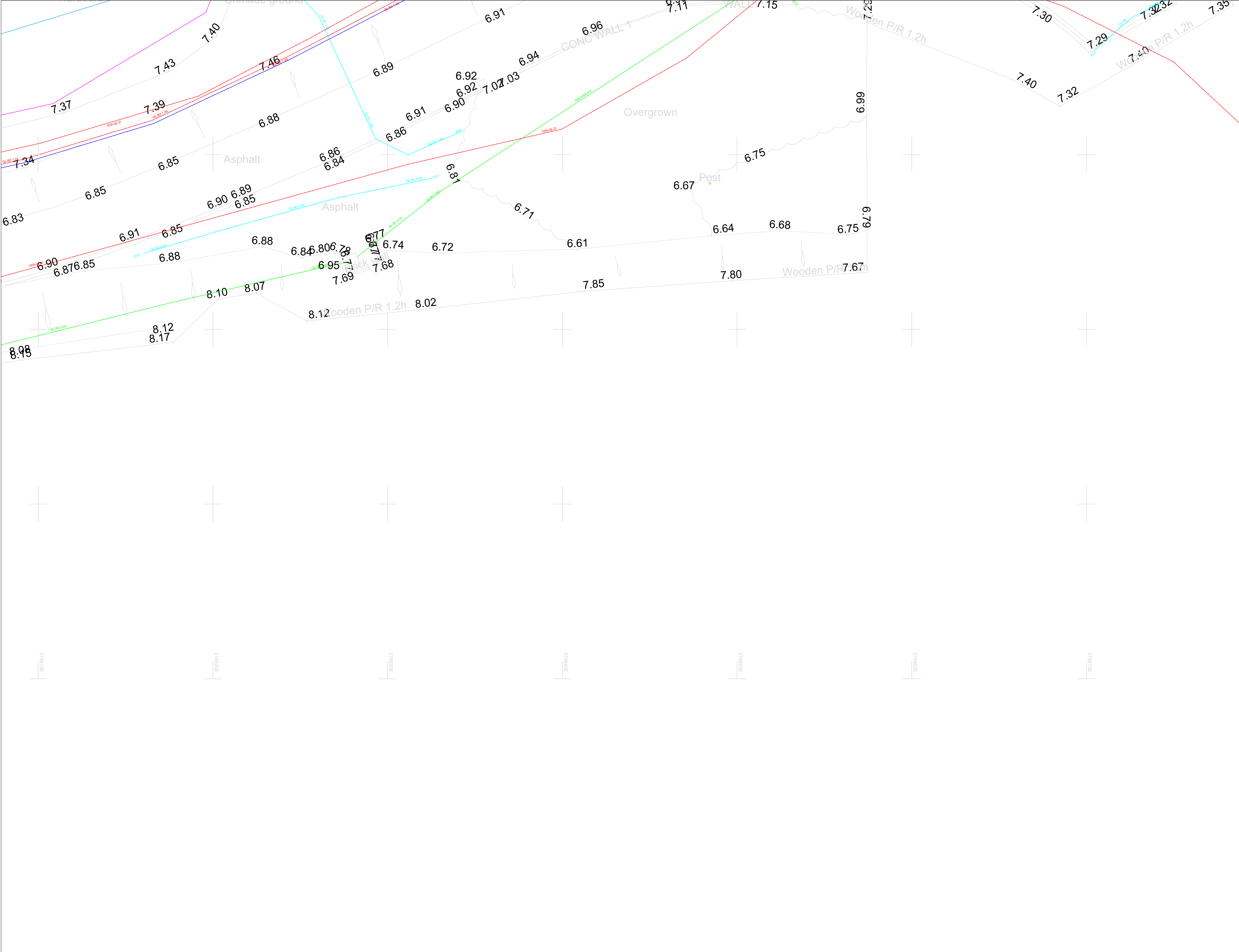
Key to Abbreviations	
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FW Foul Water	I/R Iron Railings
G Gully	J/P Jallade Fence
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SP Sign Post	
Stay Stay Wire	
SVP Soil Vent Pipe	
TCB Telephone Call Box	
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VP Vent Pipe	

Linetypes & Symbols	
— Banks	— Banking
— Buildings	— Flow Direction
— Building Overhead	— Gate
— Change of Surface	— Survey Station
— Fences	— Tree
— Kerbs	
— Overhead Cables	
— Ridges & Eaves	
— Steps	
— Walls	
— Vegetation	
— Tree Canopy	
— Combined Water	
— Foul Water	
— Storm Water	



Rev.	Date	Drawn	Details
 Gwalia SURVEYORS Unit 1, Link Trade Park, Penarth Road, Cardiff, CF11 8TQ. Cardiff: 029 2111 1700 London: 020 3011 1099 W: gwaliasurveyors.co.uk LAND UTILITIES BUILDING BOUNDARY BIM			
Title: Topographical Survey			
Project: Switch-port Talbot			
Client: Morgan Sindall			
Drawn: NJ		Checked: DR	
Date: 04.08.2023		Scale: 1:100 @ A1	
Drawing Number: 3292-U-011			Rev. -

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Coordinate System

This survey has been oriented to the Ordnance Survey (OS) National Grid and Datum using GPS observations and the OS Active Network.

A true OS coordinate was established near to the centre of the site. This survey has been correlated to this point. Further OS coordinates were established to create a true OS bearing for angle orientation.

No scale factor has been applied to this survey. The coordinates shown are arbitrary and not true OS coordinates which do have a scale factor applied.

Notes

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2. All dimension and levels are in metres unless otherwise stated.
3. Some detail may have been obscured by parked vehicles, stored materials, overgrown vegetation, and leaf litter.
4. All data shall remain Copyright of Gwalia Surveyors unless formally agreed otherwise.
5. The surveyed boundary features may not be legal boundaries.
6. Gwalia Surveyors cannot accept any responsibility for any damage to computer systems from viruses which may be contained in the data/files supplied.

Key to Abbreviations

Inspection Covers & Chambers	Walls & Fence Types
AV Air Valve	Bl. Block Wall
BH Borehole	Br. Brick Wall
BT British Telecom Cover	B/W Barbed Wire Fence
CDP Cable Draw Pit	CB Close Boarded Fence
CW Combined Water	C/I Corrugated Iron Fence
Dr.Ch. Drainage Channel	C/L Chain Link Fence
Elec. Electric Inspection Cover	CP Concrete Post
ER Earth Rod	Gab. Gabion Wall
FH Fire Hydrant	H/R Hand Rail
FW Foul Water	I/R Iron Railings
G Gully	Palisade Fence
GC Gas Cock	P/R Post & Rail Fence
GV Gas Valve	P/W Post & Wire Fence
IC Inspection Cover	Ret. Retaining Wall
KO Kerb Outlet	St. Stone Wall
MH Manhole	
RE Rodding Eye	
SC Stop Cock	
SV Stop Valve	
SW Storm Water	
TV Cable Television Cover	
UL Uplighter	
UTL Unable to Lift	
WM Water Meter	
WO Washout	

Ground Surface Types	Street Furniture
Asp. Asphalt	B Bollard
B/P Block Paviers	BB Belisha Beacon
Conc. Concrete	DP Down Pipe
Pav. Concrete Paving	EP Electricity Pole
Tac. Tactile Paving	FB Flower Bed
SVP Soil Vent Pipe	JB Junction Box
TCB Telephone Call Box	LP Lamp Post
TL Traffic Light	MP Marker Post
TP Telegraph Pole	P Post
VP Vent Pipe	PB Post Box

Measurement Descriptions	
CL Cover Level	
d Depth (m)	
dia. Diameter (mm)	
FFL Finished Floor Level	
h Feature Height (m)	
IL Invert Level	
SL Sump Level	
Soff. Soffit Level	
WL Water Level	

Linetypes & Symbols

— Banks	— Banking
— Buildings	— Flow Direction
— Building Overhead	— Gate
— Change of Surface	— Survey Station
— Fences	— Tree
— Kerbs	
— Overhead Cables	
— Ridges & Eaves	
— Steps	
— Walls	
— Vegetation	
— Tree Canopy	

— Combined Water	
— Foul Water	
— Storm Water	

Sheet Layout

Rev.	Date	Drawn	Details

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LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title:
Topographical Survey

Project:
Switch-port Talbot

Client:
Morgan Sindall

Drawn: NJ	Checked: DR
Date: 04.08.2023	Scale: 1:100 @ A1
Drawing Number: 3292-U-012	Rev. -

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Coordinate System

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Key to Abbreviations

Inspection Covers & Chambers		Walls & Fence Types	
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BH	Borehole	Br.	Brick Wall
BT	British Telecom Cover	B/W	Barbed Wire Fence
CDP	Cable Draw Pit	CB	Close Boarded Fence
CW	Combined Water	C/I	Corrugated Iron Fence
Dr.Ch.	Drainage Channel	C/L	Chain Link Fence
Elec.	Electric Inspection Cover	C/P	Concrete Post
ER	Earth Rod	Gab.	Gabion Wall
FH	Fire Hydrant	H/R	Hand Rail
FW	Foul Water	I/R	Iron Railings
G	Gully	Pail.	Palisade Fence
GC	Gas Cock	P/R	Post & Rail Fence
GV	Gas Valve	P/W	Post & Wire Fence
IC	Inspection Cover	Ret.	Retaining Wall
KO	Kerb Outlet	St.	Stone Wall
MH	Manhole	Street Furniture	
RE	Rodding Eye	B	Bollard
SC	Stop Cock	BB	Belisha Beacon
SV	Stop Valve	DP	Down Pipe
SW	Storm Water	EP	Electricity Pole
TV	Cable Television Cover	FB	Flower Bed
UL	Uplighter	JB	Junction Box
UTL	Unable to Lift	LP	Lamp Post
WM	Water Meter	MP	Marker Post
WO	Washout	P	Post
Ground Surface Types		PB	Post Box
Asp.	Asphalt	RS	Road Sign
B/P	Block Paviers	RWP	Rain Water Pipe
Conc.	Concrete	SP	Sign Post
Pav.	Concrete Paving	Stay	Stay Wire
Tac.	Tactile Paving	SVP	Soil Vent Pipe
Measurement Descriptions		TCB	Telephone Call Box
CL	Cover Level	TL	Traffic Light
d	Depth (m)	TP	Telegraph Pole
dia.	Diameter (mm)	VP	Vent Pipe
FFL	Finished Floor Level		
h	Feature Height (m)		
IL	Invert Level		
SL	Sump Level		
Soff.	Soffit Level		
WL	Water Level		

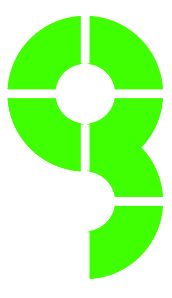
Linetypes & Symbols

—	Banks	—	Banking
—	Buildings	—	Flow Direction
—	Building Overhead	—	Gate
—	Change of Surface	—	Survey Station
—	Fences	—	Tree
—	Kerbs		
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—	Vegetation		
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Sheet Layout



Rev.	Date	Drawn	Details



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LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title:	Topographical Survey		
Project:	Switch-port Talbot		
Client:	Morgan Sindall		
Drawn:	NJ	Checked:	DR
Date:	04.08.2023	Scale:	Not to scale
Drawing Number:	3292-U-Overview		Rev. -