



Station	Easting	Northing	Level
SW1	276674.325	189440.304	7.307
SW2	276595.040	189414.076	6.838
SW3	276575.598	189478.448	8.130
SW4	276634.655	189463.858	7.754

Coordinate System
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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	CL	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	P/S	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	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
		TP	Telegraph Pole
		VP	Vent Pipe

Ground Surface Types

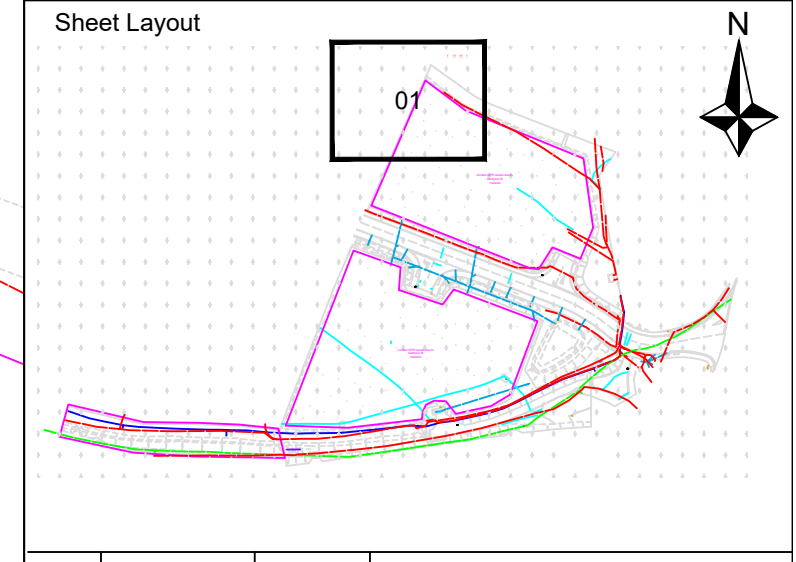
Asp.	Asphalt
B/P	Block Pavings
Conc.	Concrete
Pav.	Concrete Paving
Tac.	Tactile Paving

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		



Rev.	Date	Drawn	Details

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 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

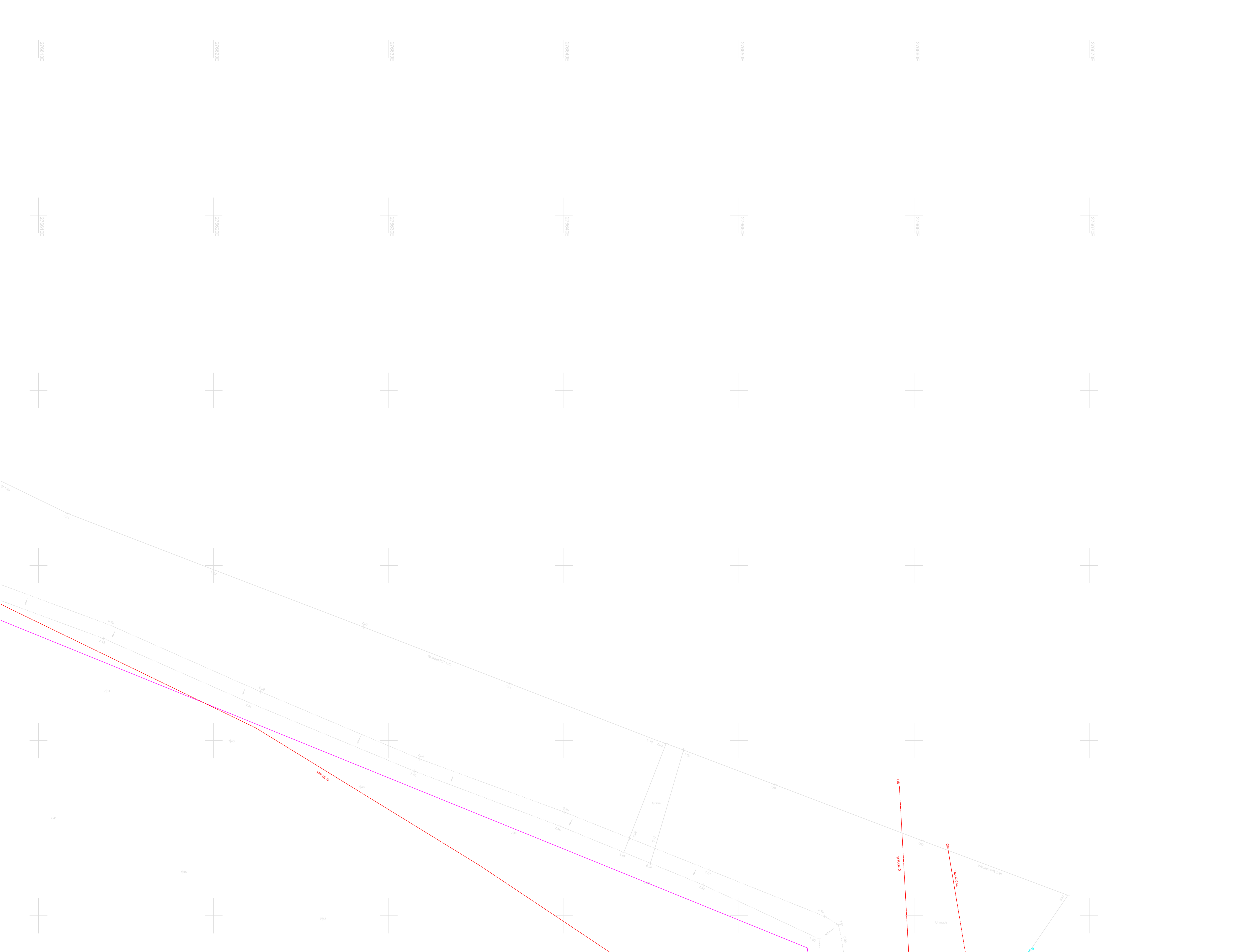
Project: Switch-port Talbot

Client: Morgan Sindall

Drawn: NJ **Checked:** DR

Date: 04.08.2023 **Scale:** 1:100 @ A1

Drawing Number: 3292-U-001 **Rev.:** -



Coordinate System

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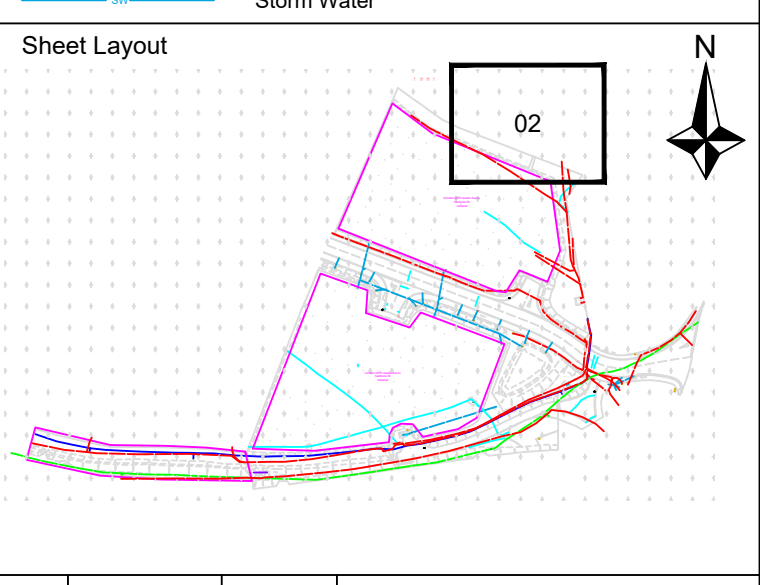
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FW Foul Water	I/R Iron Railings
G Gully	P/S Palisade Fence
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KO Kerb Outlet	St. Stone Wall
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RE Rodding Eye	B Bollard
SC Stop Cock	BB Belisha Beacon
SV Stop Valve	DP Down Pipe
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TV Cable Television Cover	FB Flower Bed
UL Uplighter	JB Junction Box
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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	
— Overhead Cables	
— Ridges & Eaves	
— Steps	
— Walls	
— Vegetation	
— Tree Canopy	
— Combined Water	
— Foul Water	
— Storm Water	



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-002** Rev. **-**

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Coordinate System

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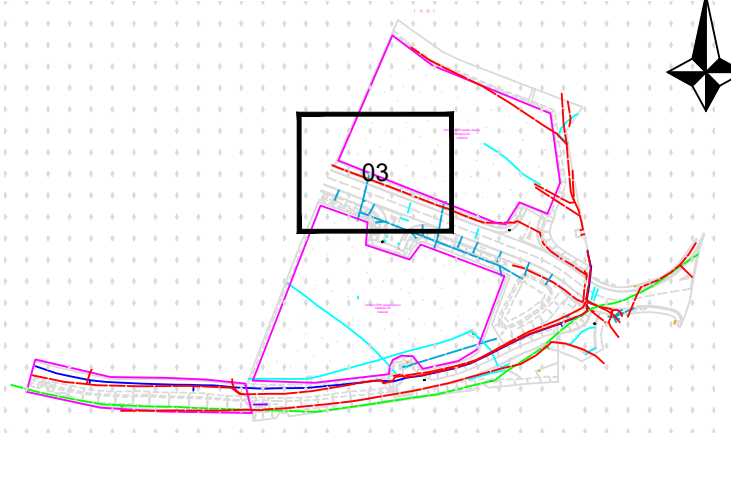
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UTL	Unable to Lift	LP	Lamp Post
WM	Water Meter	MP	Marker Post
WO	Washout	P	Post
Ground Surface Types		PB	Post Box
Asp.	Asphalt	RS	Road Sign
B/P	Block Pavings	RWP	Rain Water Pipe
Conc.	Concrete	SP	Sign Post
Pav.	Concrete Paving	Stay	Stay Wire
Tac.	Tactile 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		
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Soff.	Soffit Level		
WL	Water Level		

Linetypes & Symbols

—	Banks	↗	Banking
—	Buildings	→	Flow Direction
—	Building Overhead	⊗	Gate
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—	Fences	○	Tree
—	Kerbs		
—	Overhead Cables		
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—	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**

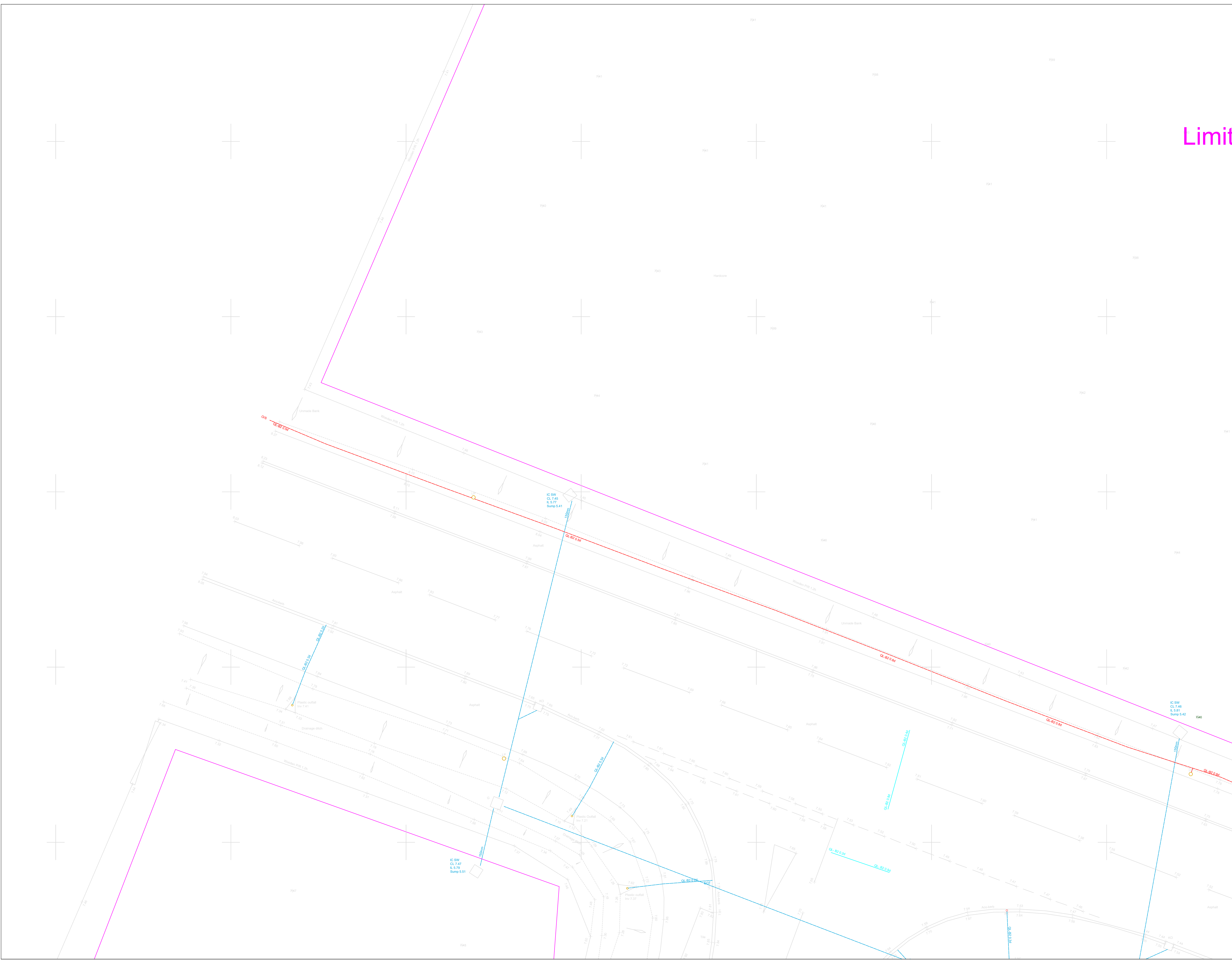
Client: **Morgan Sindall**

Drawn: **NJ** Checked: **DR**

Date: **04.08.2023** Scale: **1:100 @ A1**

Drawing Number: **3292-U-003** Rev: **-**

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Limite

and GPR results due to
hardcore fill
material



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—	Walls		
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—	Foul Water		
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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-004 | **Rev.** -

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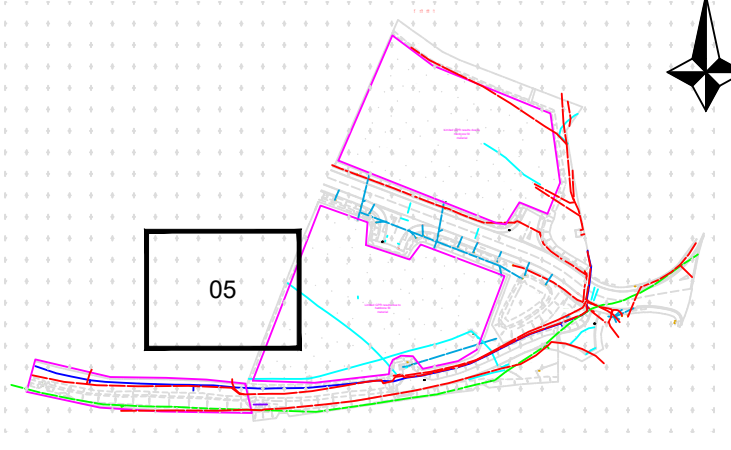
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— Banks	← Banking
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— Kerbs	
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Sheet Layout



Rev.	Date	Drawn	Details
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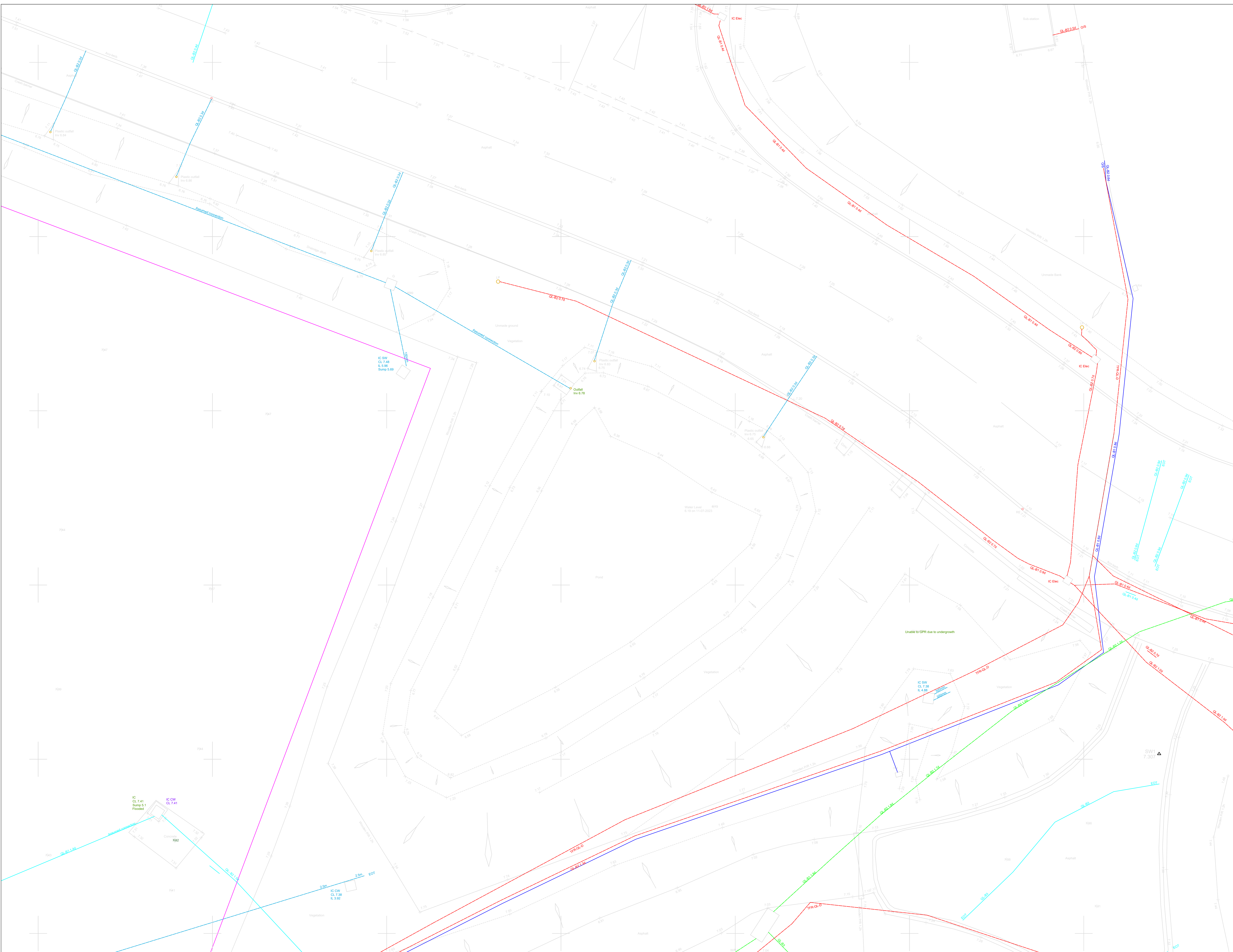


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LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title: Topographical Survey	
Project: Switch-port Talbot	
Client: Morgan Sindall	
Drawn: NJ	Checked: DR
Date: 04.08.2023	Scale: 1:100 @ A1
Drawing Number: 3292-005	Rev. -



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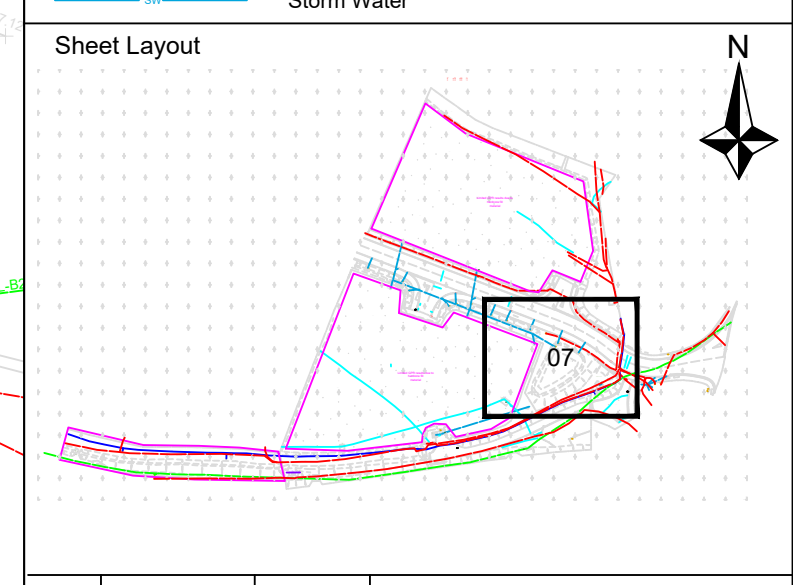
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Rev.	Date	Drawn	Details

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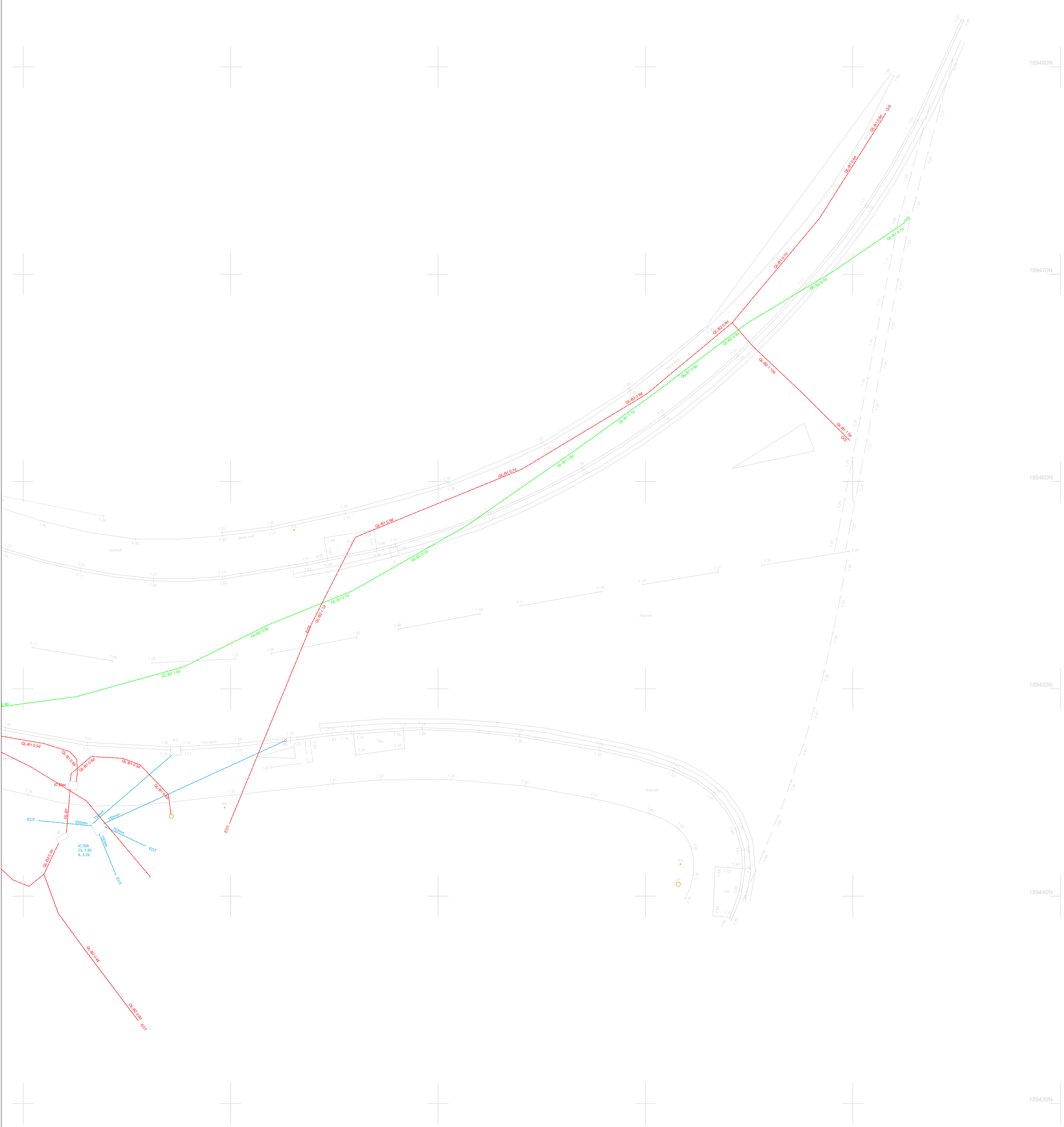
LAND | UTILITIES | BUILDING | BOUNDARY | BIM

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-007	Rev: -



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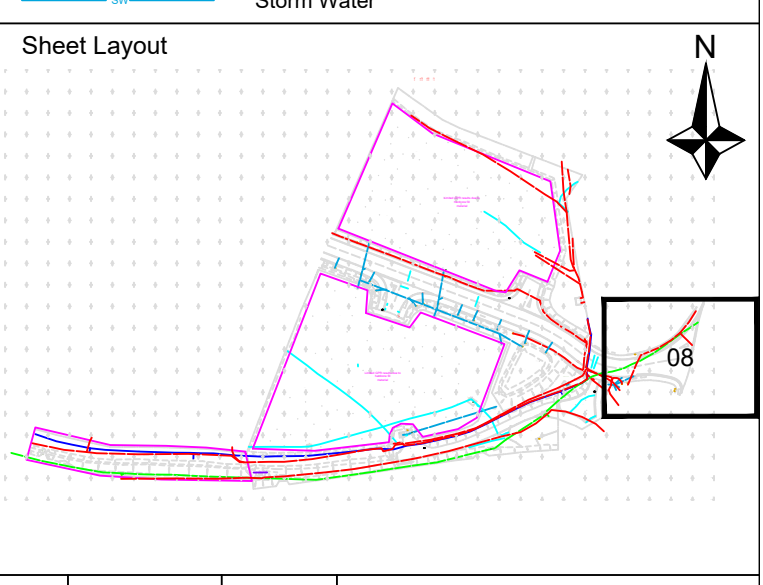
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UTL Unable to Lift	LP Lamp Post
WM Water Meter	MP Marker Post
WO Washout	P Post
Ground Surface Types	PB Post Box
Asp. Asphalt	RS Road Sign
B/P Block Pavings	RWP Rain Water Pipe
Conc. Concrete	SP Sign Post
Pav. Concrete Paving	Stay Stay Wire
Tac. Tactile Paving	SVP Soil Vent Pipe
Measurement Descriptions	TCB Telephone Call Box
CL Coverage 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	
— Overhead Cables	
— Ridges & Eaves	
— Steps	
— Walls	
— Vegetation	
— Tree Canopy	
— Combined Water	
— Foul Water	
— Storm Water	



Rev.	Date	Drawn	Details

Unit 1, Link Trade Park,
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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-008	Rev. -

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Coordinate System

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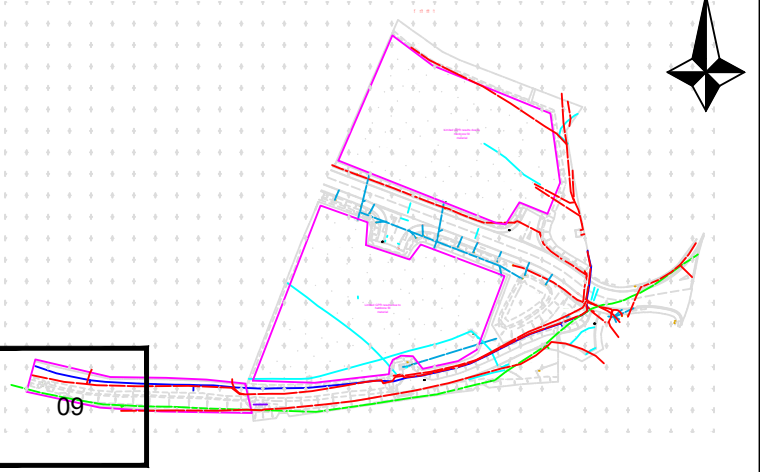
Key to Abbreviations

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	CL 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	Rat. 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
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Measurement Descriptions	TCB Telephone Call Box
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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	
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— Buildings	— Flow Direction
— Building Overhead	— Gate
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— Fences	— Tree
— Kerbs	
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— 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**

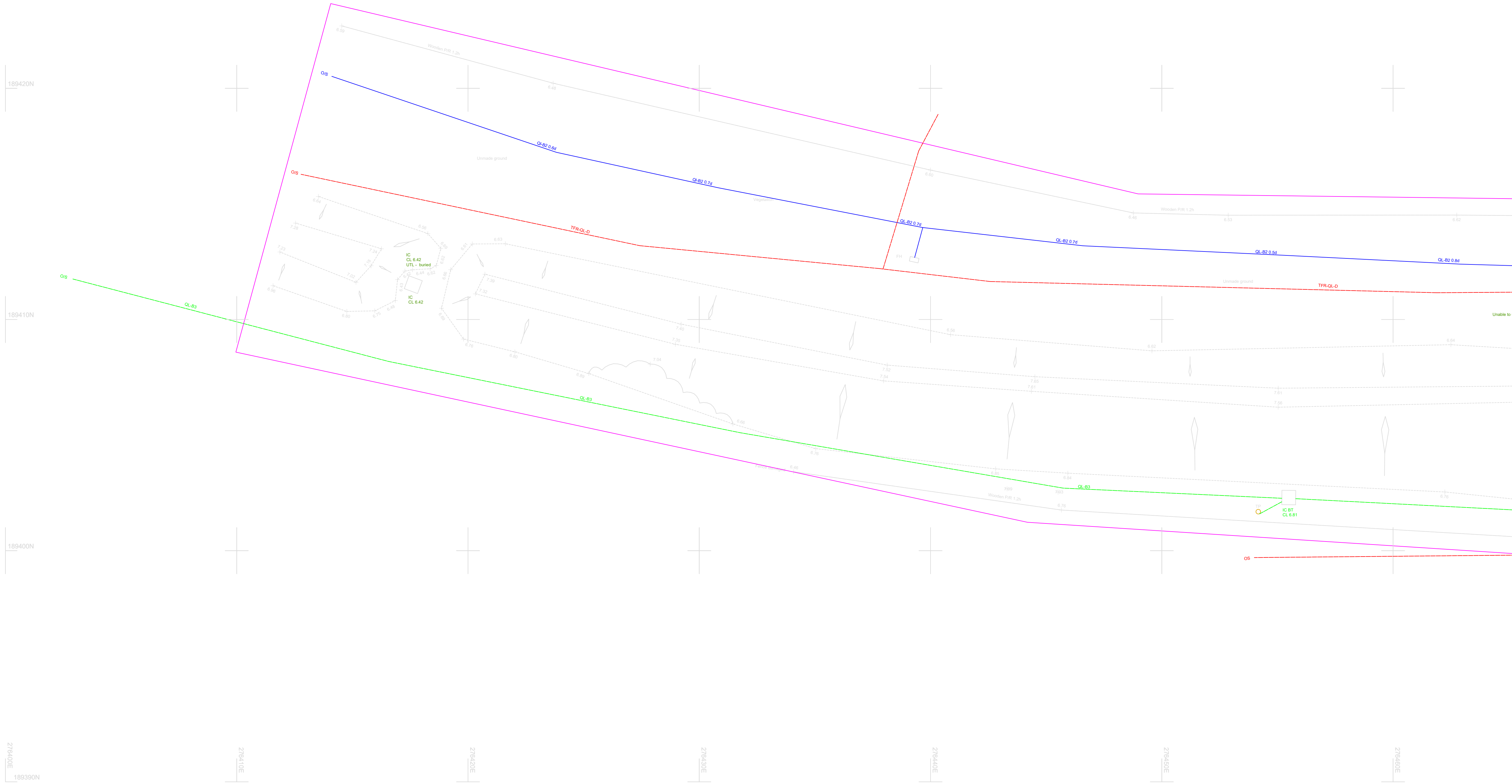
Project: **Switch-port Talbot**

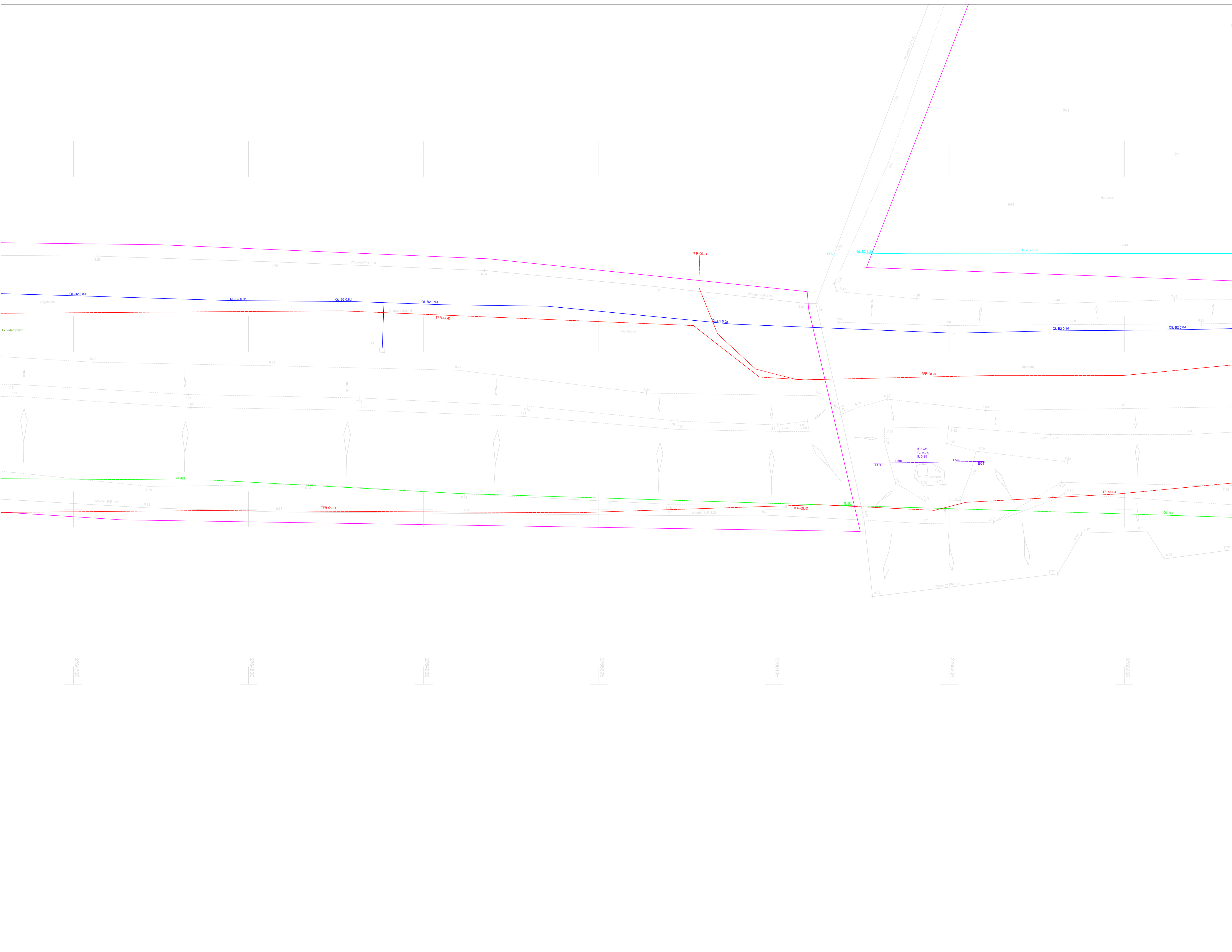
Client: **Morgan Sindall**

Drawn: **NJ** Checked: **DR**

Date: **04.08.2023** Scale: **1:100 @ A1**

Drawing Number: **3292-U-009** Rev. **-**





Coordinate System

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CDP	Cable Draw Pit	CB	Close Boarded Fence
CW	Combined Water	C/I	Corrugated Iron Fence
Dr.Ch.	Drainage Channel	CL	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		
Ground Surface Types		Street Furniture	
B/P	Block Pavings	B	Bollard
Conc.	Concrete	BB	Belisha Beacon
Pav.	Concrete Paving	DP	Down Pipe
Tac.	Tactile Paving	EP	Electricity Pole
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		JB	Junction Box
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		P	Post
		PB	Post Box
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		SVP	Soil Vent Pipe
		TCB	Telephone Call Box
		TL	Traffic Light
		TP	Telegraph Pole
		VP	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		
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Sheet Layout

Rev.	Date	Drawn	Details

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LAND | UTILITIES | BUILDING | BOUNDARY | BIM

Title: Topographical Survey

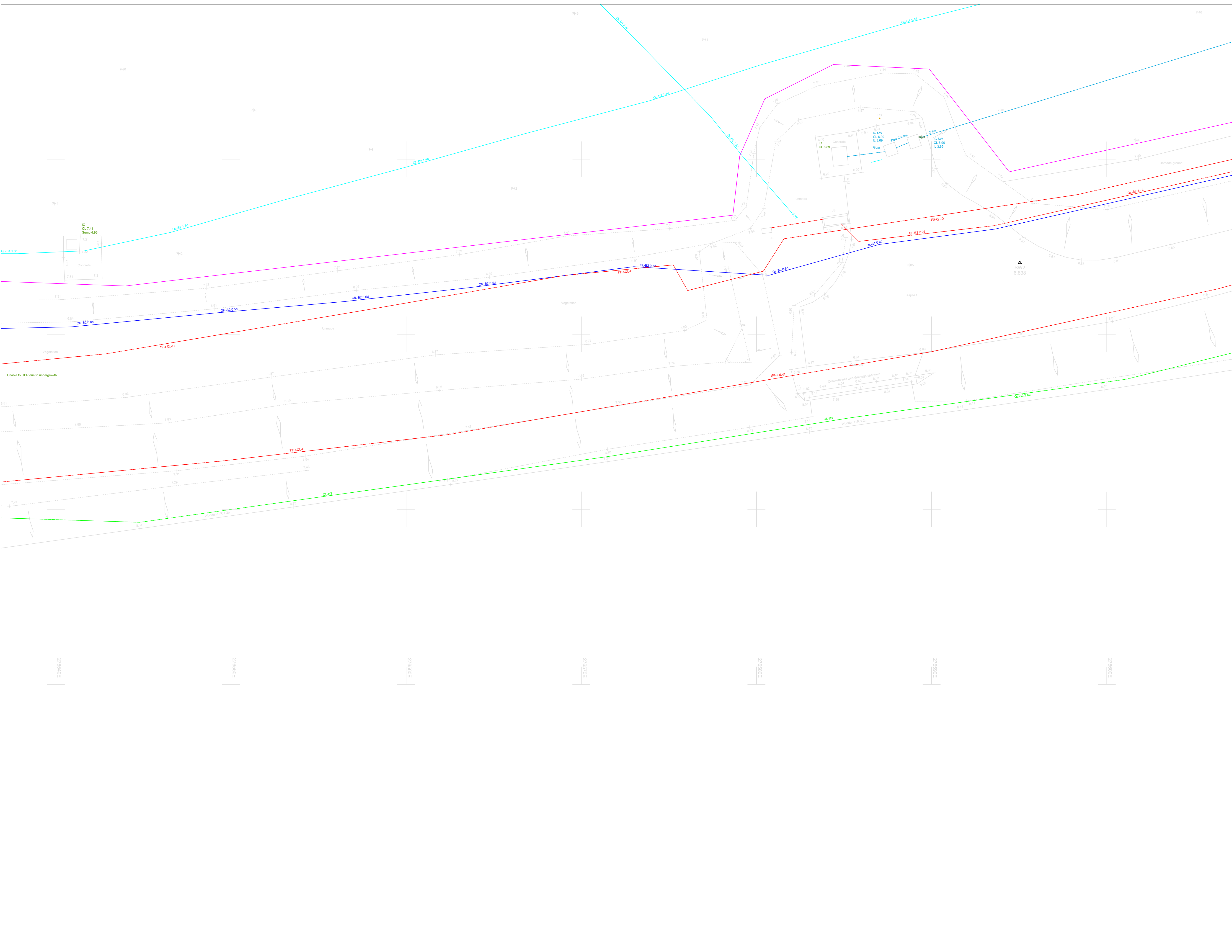
Project: Switch-port Talbot

Client: Morgan Sindall

Drawn: NJ **Checked:** DR

Date: 04.08.2023 **Scale:** 1:100 @ A1

Drawing Number: 3292-U-010 **Rev.** -



Coordinate System
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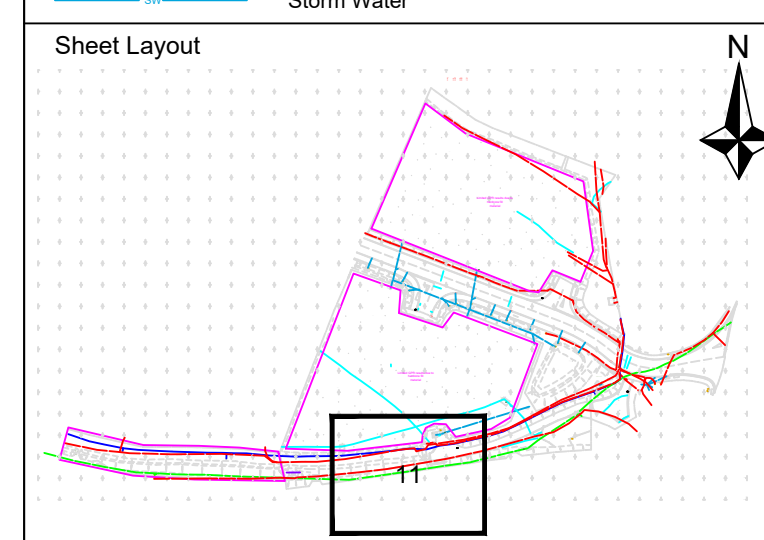
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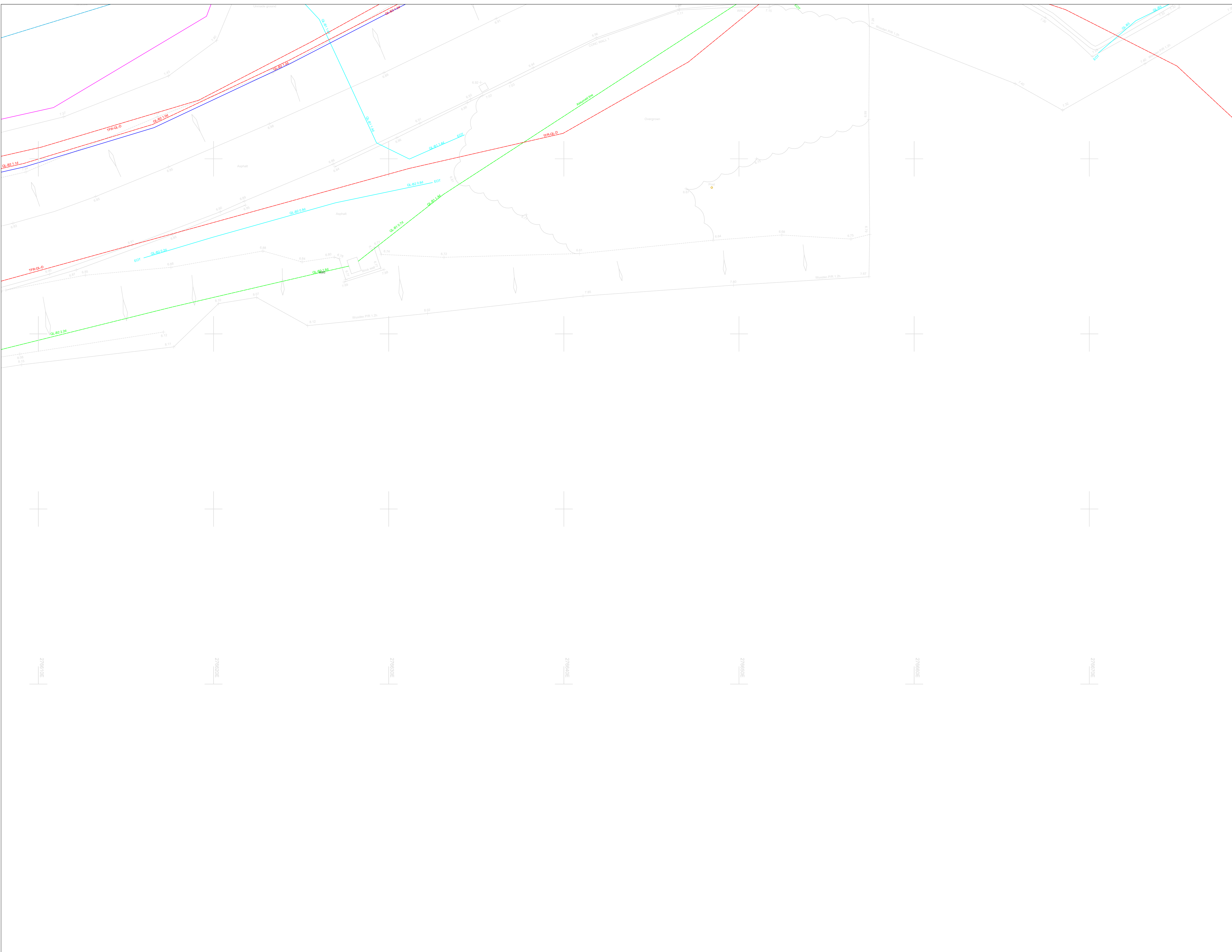
LAND | UTILITIES | BUILDING | BOUNDARY | BIM

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-011	Rev.: -



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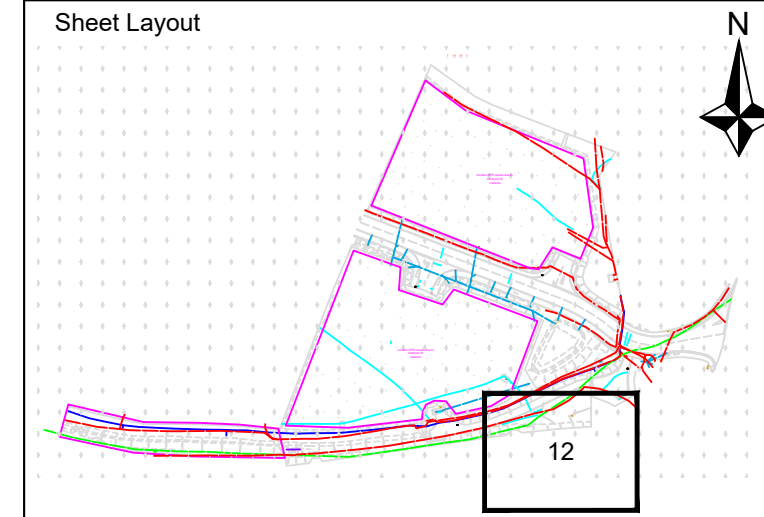
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Title: **Topographical Survey**

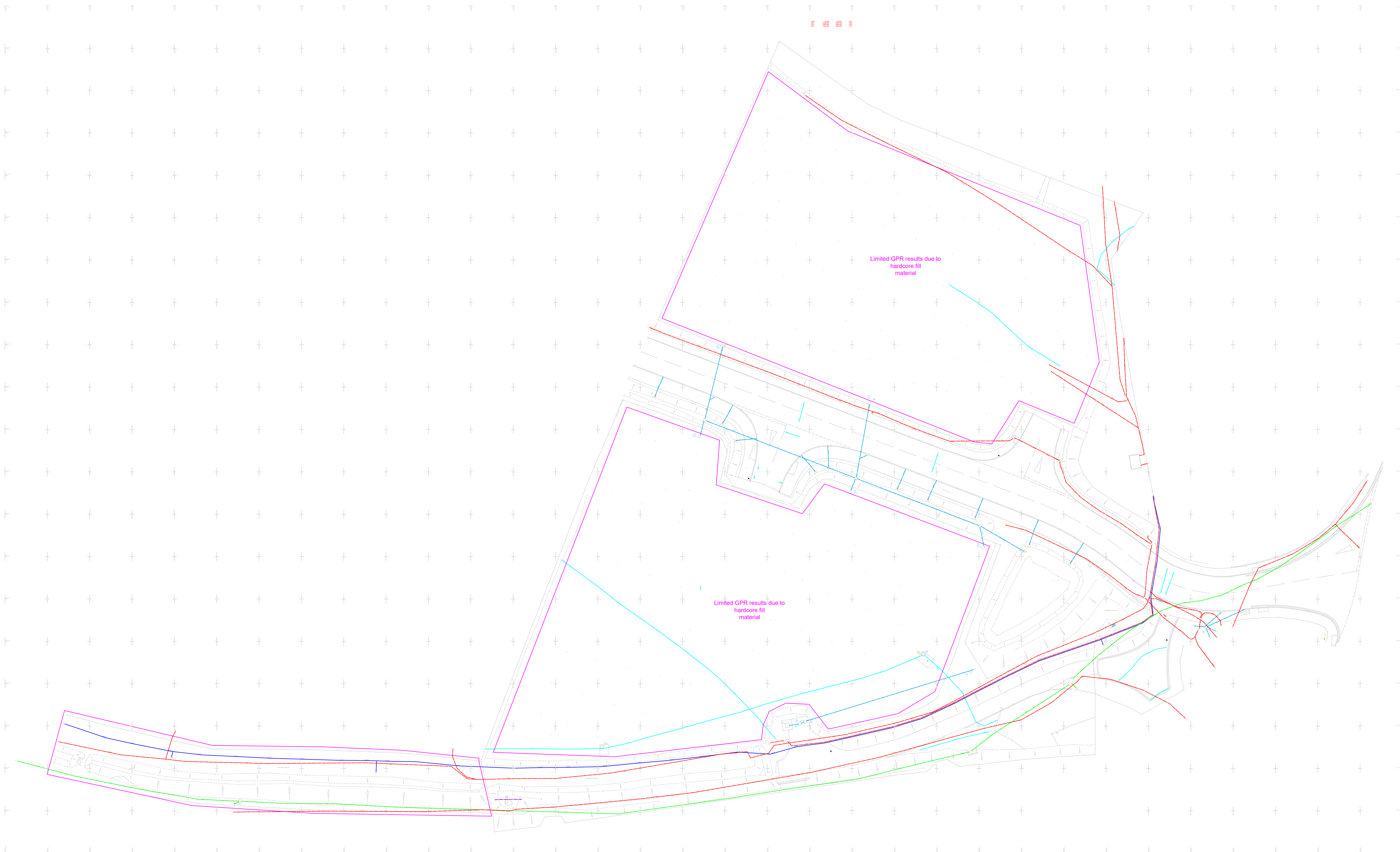
Project: **Switch-port Talbot**

Client: **Morgan Sindall**

Drawn: **NJ** Checked: **DR**

Date: **04.08.2023** Scale: **1:100 @ A1**

Drawing Number: **3292-U-012** Rev. **-**



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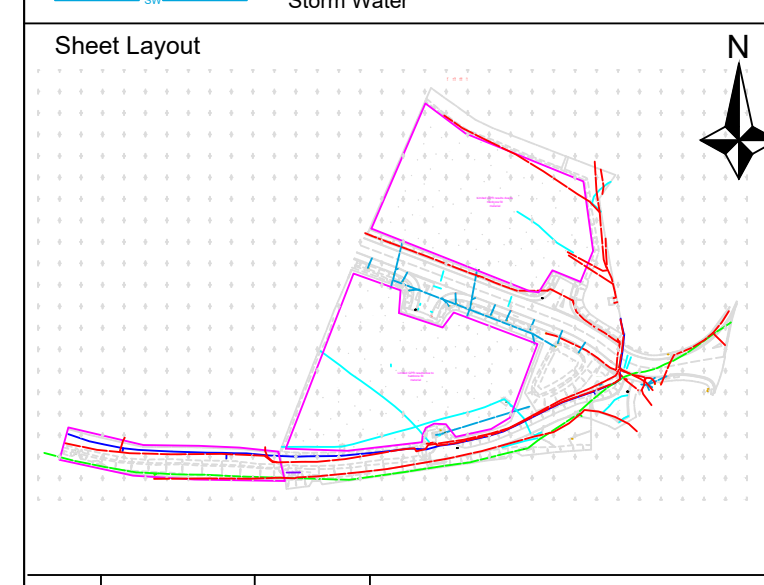
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Title: **Topographical Survey**

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. **-**