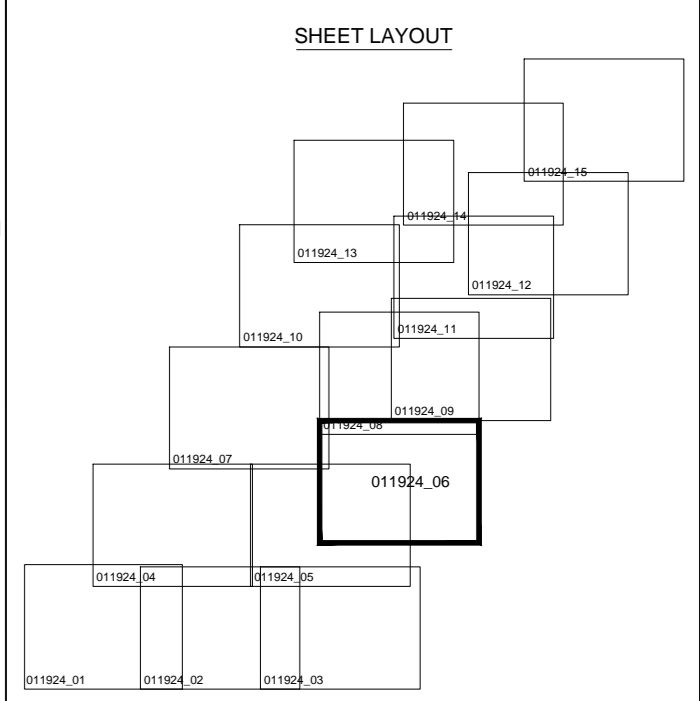
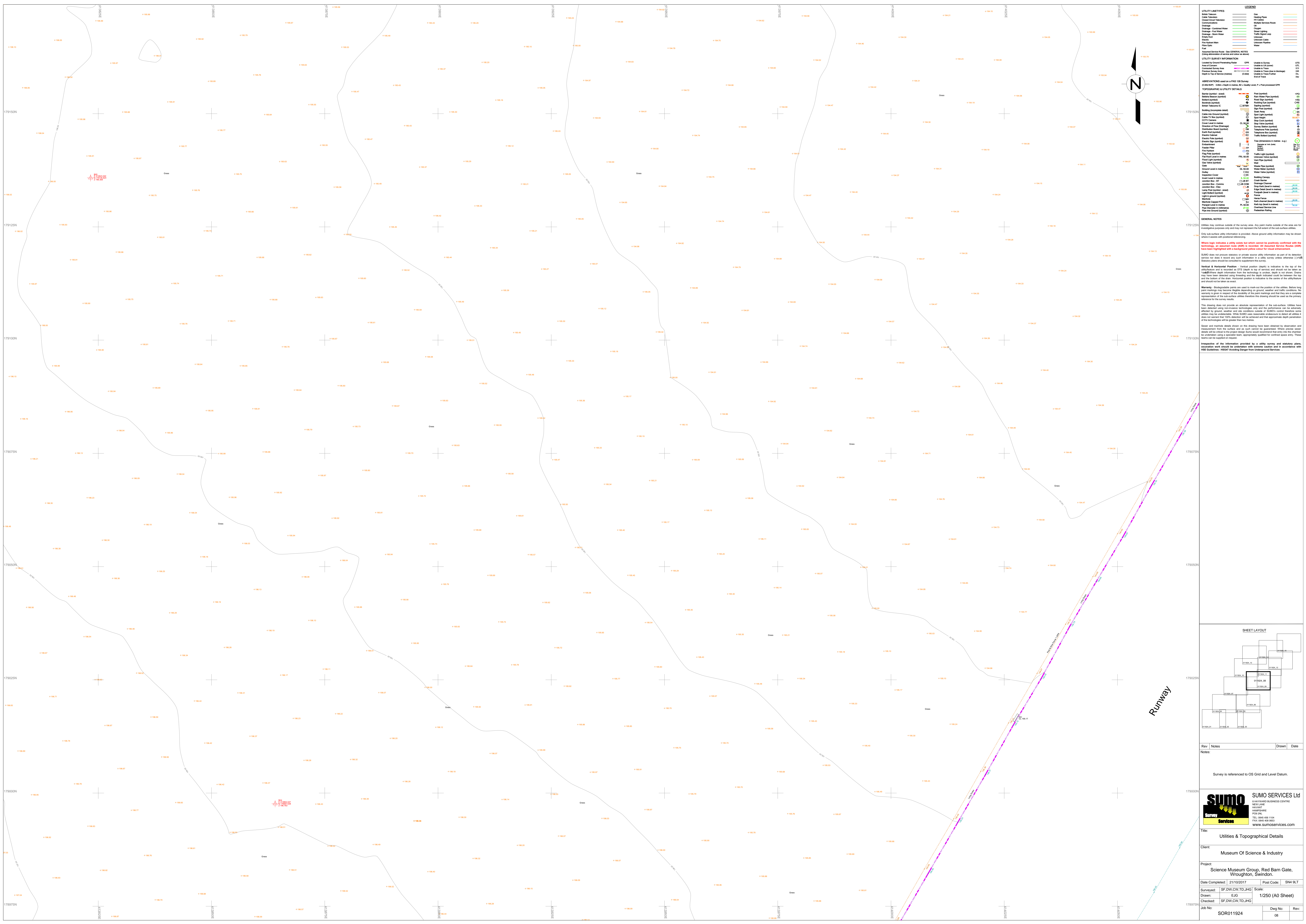


LEGEND	
UTILITY LINES	
Electric Mainlines	Orange
Gas Mainlines	Green
Water Mainlines	Blue
Sanitary Sewer Mainlines	Light Blue
Storm Sewer Mainlines	Dark Blue
Other	Grey
Overhead Electric	Yellow
Overhead Gas	Light Green
Overhead Water	Light Blue
Overhead Sanitary Sewer	Light Blue
Overhead Storm Sewer	Dark Blue
Overhead Other	Grey
Underground Electric	Orange
Underground Gas	Green
Underground Water	Blue
Underground Sanitary Sewer	Light Blue
Underground Storm Sewer	Dark Blue
Underground Other	Grey
Electric Meters	Orange
Gas Meters	Green
Water Meters	Blue
Sanitary Sewer Meters	Light Blue
Storm Sewer Meters	Dark Blue
Other Meters	Grey
Electric Valves	Orange
Gas Valves	Green
Water Valves	Blue
Sanitary Sewer Valves	Light Blue
Storm Sewer Valves	Dark Blue
Other Valves	Grey
Electric Pumps	Orange
Gas Pumps	Green
Water Pumps	Blue
Sanitary Sewer Pumps	Light Blue
Storm Sewer Pumps	Dark Blue
Other Pumps	Grey
Electric Transformers	Orange
Gas Transformers	Green
Water Transformers	Blue
Sanitary Sewer Transformers	Light Blue
Storm Sewer Transformers	Dark Blue
Other Transformers	Grey
Electric Cables	Orange
Gas Cables	Green
Water Cables	Blue
Sanitary Sewer Cables	Light Blue
Storm Sewer Cables	Dark Blue
Other Cables	Grey
Electric Pipes	Orange
Gas Pipes	Green
Water Pipes	Blue
Sanitary Sewer Pipes	Light Blue
Storm Sewer Pipes	Dark Blue
Other Pipes	Grey
Electric Fittings	Orange
Gas Fittings	Green
Water Fittings	Blue
Sanitary Sewer Fittings	Light Blue
Storm Sewer Fittings	Dark Blue
Other Fittings	Grey
Electric Joints	Orange
Gas Joints	Green
Water Joints	Blue
Sanitary Sewer Joints	Light Blue
Storm Sewer Joints	Dark Blue
Other Joints	Grey
Electric Connections	Orange
Gas Connections	Green
Water Connections	Blue
Sanitary Sewer Connections	Light Blue
Storm Sewer Connections	Dark Blue
Other Connections	Grey
Electric Branches	Orange
Gas Branches	Green
Water Branches	Blue
Sanitary Sewer Branches	Light Blue
Storm Sewer Branches	Dark Blue
Other Branches	Grey
Electric Drops	Orange
Gas Drops	Green
Water Drops	Blue
Sanitary Sewer Drops	Light Blue
Storm Sewer Drops	Dark Blue
Other Drops	Grey
Electric Risers	Orange
Gas Risers	Green
Water Risers	Blue
Sanitary Sewer Risers	Light Blue
Storm Sewer Risers	Dark Blue
Other Risers	Grey
Electric Manholes	Orange
Gas Manholes	Green
Water Manholes	Blue
Sanitary Sewer Manholes	Light Blue
Storm Sewer Manholes	Dark Blue
Other Manholes	Grey
Electric Vaults	Orange
Gas Vaults	Green
Water Vaults	Blue
Sanitary Sewer Vaults	Light Blue
Storm Sewer Vaults	Dark Blue
Other Vaults	Grey
Electric Trenches	Orange
Gas Trenches	Green
Water Trenches	Blue
Sanitary Sewer Trenches	Light Blue
Storm Sewer Trenches	Dark Blue
Other Trenches	Grey
Electric Ditches	Orange
Gas Ditches	Green
Water Ditches	Blue
Sanitary Sewer Ditches	Light Blue
Storm Sewer Ditches	Dark Blue
Other Ditches	Grey
Electric Canals	Orange
Gas Canals	Green
Water Canals	Blue
Sanitary Sewer Canals	Light Blue
Storm Sewer Canals	Dark Blue
Other Canals	Grey
Electric Levees	Orange
Gas Levees	Green
Water Levees	Blue
Sanitary Sewer Levees	Light Blue
Storm Sewer Levees	Dark Blue
Other Levees	Grey
Electric Dikes	Orange
Gas Dikes	Green
Water Dikes	Blue
Sanitary Sewer Dikes	Light Blue
Storm Sewer Dikes	Dark Blue
Other Dikes	Grey
Electric Embankments	Orange
Gas Embankments	Green
Water Embankments	Blue
Sanitary Sewer Embankments	Light Blue
Storm Sewer Embankments	Dark Blue
Other Embankments	Grey
Electric Cutbanks	Orange
Gas Cutbanks	Green
Water Cutbanks	Blue
Sanitary Sewer Cutbanks	Light Blue
Storm Sewer Cutbanks	Dark Blue
Other Cutbanks	Grey
Electric Bluffs	Orange
Gas Bluffs	Green
Water Bluffs	Blue
Sanitary Sewer Bluffs	Light Blue
Storm Sewer Bluffs	Dark Blue
Other Bluffs	Grey
Electric Scarpes	Orange
Gas Scarpes	Green
Water Scarpes	Blue
Sanitary Sewer Scarpes	Light Blue
Storm Sewer Scarpes	Dark Blue
Other Scarpes	Grey
Electric Slopes	Orange
Gas Slopes	Green
Water Slopes	Blue
Sanitary Sewer Slopes	Light Blue
Storm Sewer Slopes	Dark Blue
Other Slopes	Grey
Electric Embankments	Orange
Gas Embankments	Green
Water Embankments	Blue
Sanitary Sewer Embankments	Light Blue
Storm Sewer Embankments	Dark Blue
Other Embankments	Grey
Electric Cutbanks	Orange
Gas Cutbanks	Green
Water Cutbanks	Blue
Sanitary Sewer Cutbanks	Light Blue
Storm Sewer Cutbanks	Dark Blue
Other Cutbanks	Grey
Electric Bluffs	Orange
Gas Bluffs	Green
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Other Bluffs	Grey
Electric Scarpes	Orange
Gas Scarpes	Green
Water Scarpes	Blue
Sanitary Sewer Scarpes	Light Blue
Storm Sewer Scarpes	Dark Blue
Other Scarpes	Grey
Electric Slopes	Orange
Gas Slopes	Green
Water Slopes	Blue
Sanitary Sewer Slopes	Light Blue
Storm Sewer Slopes	Dark Blue
Other Slopes	Grey

[illegible]

Rev:	Notes	Drawn:	Date:
Notes: Survey is referenced to OS Grid and Level Datum. Survey services provided by: <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> SUMO SERVICES Ltd 14 HARTWOOD BUSINESS CENTRE NEW LINE ROADSIDE HARTWOOD HP23 7TA TEL: 01430 850000 FAX: 01430 850023 www.sumoservices.com </div> </div>			
Title: Utilities & Topographical Details			
Client: Museum Of Science & Industry			
Project: Science Museum Group, Red Barn Gate, Wroughton, Swindon.			
Date Completed:	21/10/2017	Post Code:	SN4 9LT
Surveyed by:	SF.DW.CW.TD.JHG	Scale:	1/250 (A0 Sheet)
Drawn:	EAG		
Checked:	SF.DW.CW.TD.JHG		
Job No:	Dwg No:		Rev:
SOR011924	06		



[illegible]

GENERAL NOTES

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.

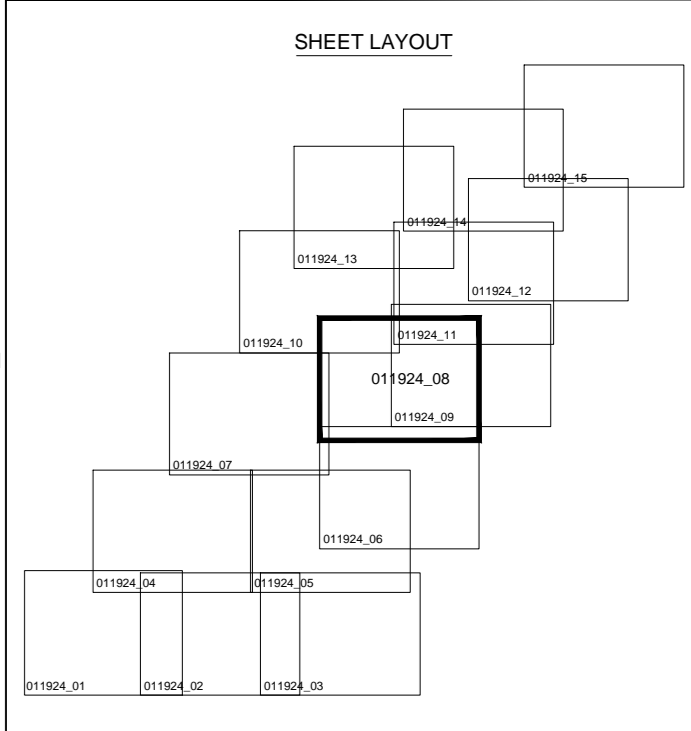
Vertical & Horizontal Position – Vertical position (depth) is indicative to the top of the utilityfeature and is recorded as DTS (depth to top of service) and should not be taken as a true depth. Depth information from the topography is unlikely to be set down. Overlays may have been detected using threading and the depth indicated could be between the top and the bottom of the drain. Horizontal position is indicative to the centre of the utilityfeature and should not be taken as exact.

traffic markings may become illegible 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 S&B's control therefore some utilities may be undetectable. While S&B 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 will be greater than two metres.

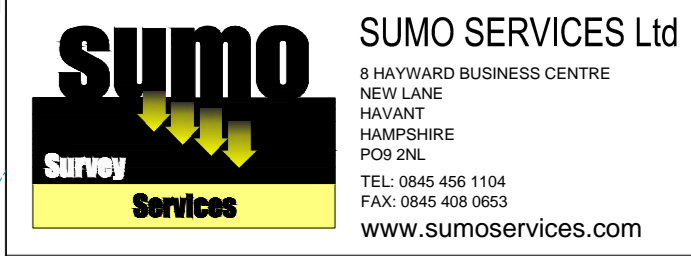
Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed. Where precise sewer details will be critical to the project design Sumo would recommend that entry into the chamber be undertaken using a specialist team, appropriately qualified for confined space entry. These teams can be supplied on request.

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



Rev	Notes	Drawn	Date
Notes:			

Survey is referenced to OS Grid and Level Datum.



Utilities & Topographical Details

Museum Of Science & Industry

Science Museum Group, Red Barn Gate,
Wroughton, Swindon.

Surveyed:	SF,DW,CW,TD,JHG	Scale:	1/250 (A0 Sheet)
Drawn:	EJC		

Checked:	SF,DW,CW,TD,JHG
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SOR011924	Dwg No.	Rev.
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