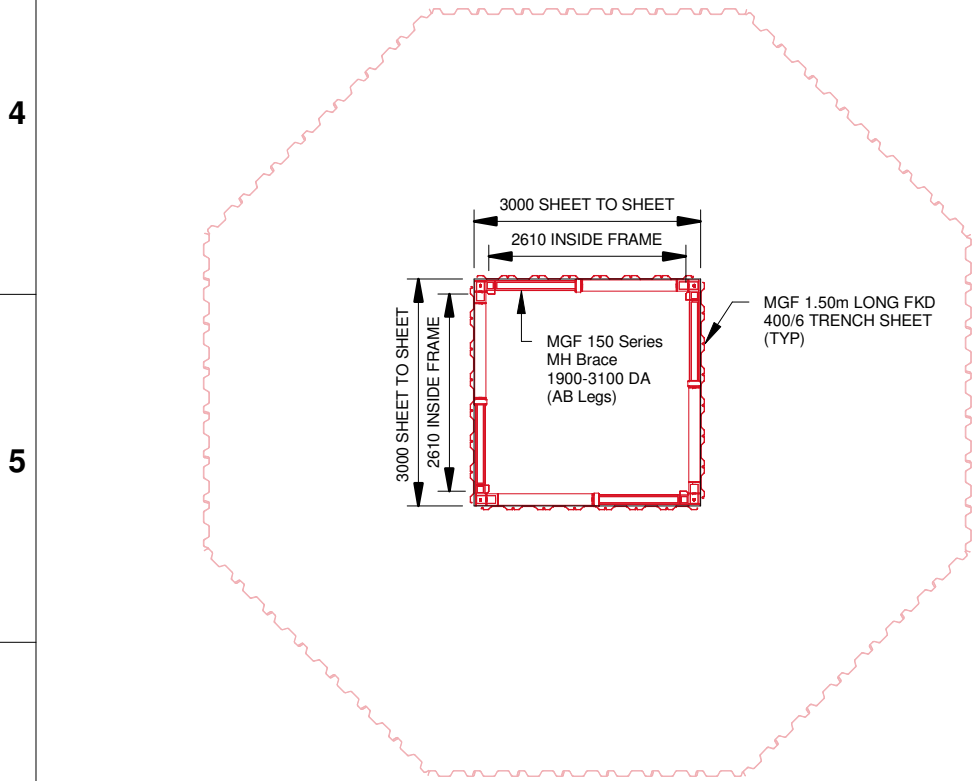
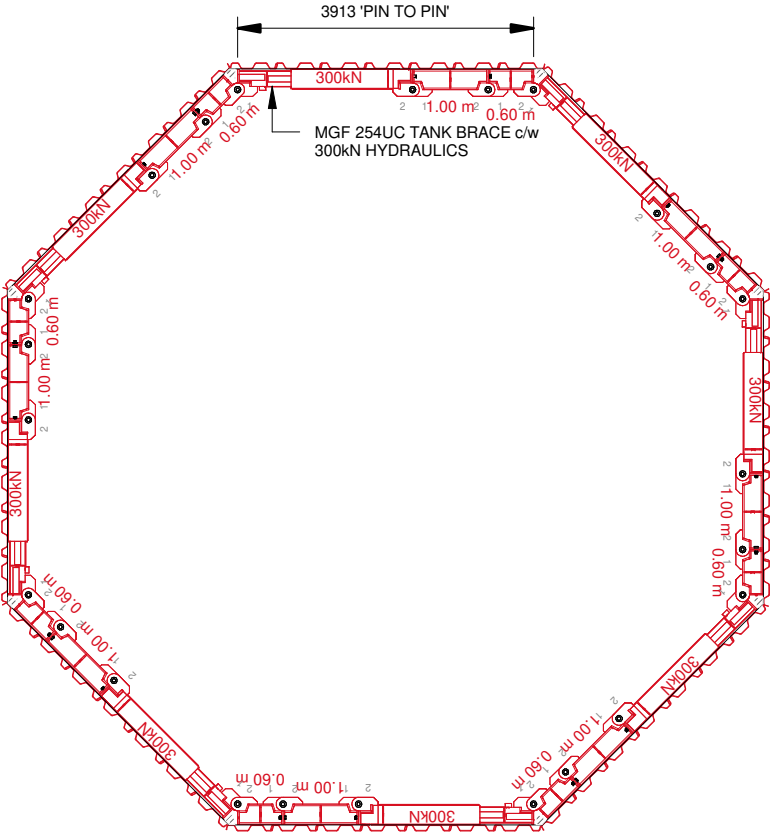


PLAN VIEW - FRAME 1 LAYOUT
1 : 100



PLAN VIEW - FRAMES 3 & 4 LAYOUT
1 : 100



PLAN VIEW - FRAME 2 LAYOUT
1 : 100

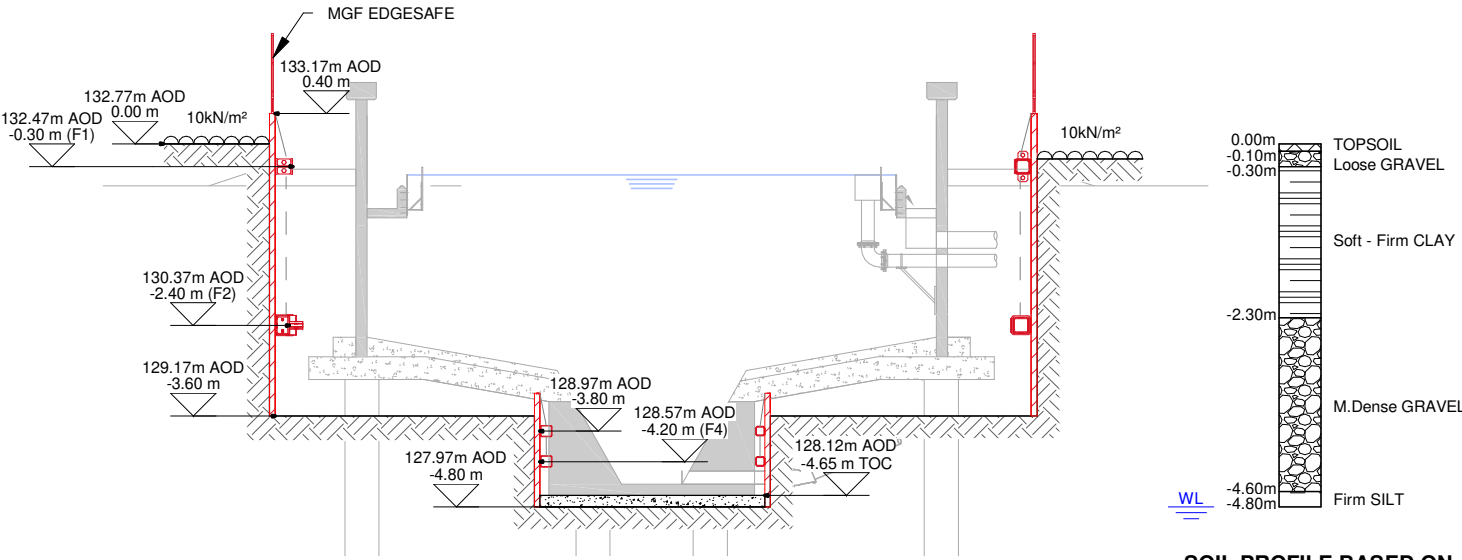
Frame F1					
MGF Description	Product ID	Assembly Weight (kg)	Count	A1-A3 (Product) (kgCO2e)	Total Weight
MGF 203UC 2.00m Extension	8.120	208.00 kg	8	25.79	1664.00 kg
MGF 203UC 150kN Hydraulic Ram	8.100	352.00 kg	8	43.65	2816.00 kg
					69.44 4480.00 kg

Frame F2					
MGF Description	Product ID	Assembly Weight (kg)	Count	A1-A3 (Product) (kgCO2e)	Total Weight
MGF 254UC 0.60m Extension	8.206	123.00 kg	8	15.25	984.00 kg
MGF 254UC 1.00m Extension	8.210	176.00 kg	8	21.82	1408.00 kg
MGF 254UC 300kN Hydraulic Ram	8.202	508.00 kg	8	62.99	4064.00 kg
					100.07 6456.00 kg

Frame F3					
MGF Description	Product ID	Assembly Weight (kg)	Count	A1-A3 (Product) (kgCO2e)	Total Weight
MGF 150 Series MH Brace 1900 - 3100 DA (AB Legs)	7.207	800.00 kg	1	12.40	800.00 kg
					12.40 800.00 kg

Frame F4					
MGF Description	Product ID	Assembly Weight (kg)	Count	A1-A3 (Product) (kgCO2e)	Total Weight
MGF 150 Series MH Brace 1900 - 3100 DA (AB Legs)	7.207	800.00 kg	1	12.40	800.00 kg
					12.40 800.00 kg

Sheets							
MGF Description	Product ID	Sheet Length	Weight per m	Assembly Weight (kg)	Count	A1-A3 (Product) (kgCO2e)	Total Weight
MGF FKD 400/6 Trench Sheet	3.2	1500	22.10 kg/m	33.15 kg	28	13.92	928.20 kg
MGF KKD 600/6 Trench Sheet	3.3	4000	37.50 kg/m	150.00 kg	56	126.00	8400.00 kg
							139.92 9328.20 kg



SECTION A-A
1 : 100

SOIL PROFILE BASED ON BOREHOLE LOG REF: BH5 (groundwater assumed at 4.80m BGL after de-watering)

DESIGN NOTES

- Design Assumptions:**
- 10kN/m² surcharge has been taken to consider all plant.
 - No further surcharges / loadings have been considered.
 - Soil profile has been based on BH5.
 - Groundwater anticipated at 4.80m BGL after de-watering.
 - Base slab thickness a minimum 150mm.

- Excavation Details:**
- Dig Depth: 4.80m
 - Plan Dimensions: 10.00m x 10.00m (See Plan View)
 - Installation Sequence: Pre-drive

- Equipment List:**
- Sheets: KKD 600/6 & FKD 400/6
 - (F1) - 203 UC Tank Brace c/w 150kN Powerpacks
 - (F2) - 254 UC Tank Brace c/w 300kN Powerpacks
 - (F3) - 150 Series Manhole Brace 1900-3100 (AB)
 - (F4) - 150 Series Manhole Brace 1900-3100 (AB)
 - (F5) - 150 Series Manhole Brace 1900-3100 (AB)

ESTIMATED EMBODIED CARBON

A1 - A3 (Product)	334.23 kgCO2e
Distance (Average UK Distance)	100.00 km
Total Weight (t)	21.86 t
A4 (Transport - Artic)	386.92 kgCO2e / trip
A4 (Transport - Rigid)	533.38 kgCO2e / trip

Note: the above is calculated based on telematics data of our fleet of vehicles.

TENDER ONLY

The following specification for equipment is for tender purposes only. No hire and or sale should be organised / placed based on this DRG and its associated documents. The equipment specification is subject to change following receipt of a detailed design brief and issue of a formal Temporary Works design by MGF Design Services Ltd (MGF DSL). If you require any further technical information please contact MGF DSL and quote the design reference number.

DE-WATERING!

Water table assumed to be below formation level after de-watering. Customer to consult de-watering specialist to confirm the strategy. Extending the toe into the silt below formation level may be an alternative.

DISCUSSION POINTS

1. Ground Conditions - Customer to confirm conditions are correct for the location of works.
2. Adjacent Humus Tank - Customer to confirm if this is on piles and foundation depth.
3. De-watering - Customer to confirm what level they are de-watering to.
4. Deflection Criteria - Customer to confirm correct dimensions allow for sufficient working room.

T1	For Discussion	12.12.24	Josh Painter	James Heslith	Korosh Shatpani
Issue	Issue Description	Date	Designed	Drawn	Checked

FOR DISCUSSION



EXCAVATION SAFETY SOLUTIONS

Design Services Ltd
Foundation House, Wallwork Road,
Astley, Manchester. M29 7JT
design@mgf.ltd.uk | mgf.ltd.uk | 01942 402 704

Customer



ERIC WRIGHT
WATER

Site
LL21 0AU, EWW - Corwen WwTW, Off, Green Lane, Corwen

Scheme
Humus Tank 2 Cofferdam (OPTION 2)

Drawing Title
Plan Views & Section View

Drawing No
78205 - 101

Rev
T1