

NO DIMENSIONS TO BE SCALED FROM THIS DRAWING

CDM - RESIDUAL HAZARDS The following are considered to be significant risks relevant to this drawing, which could not be fully mitigated or removed through design:

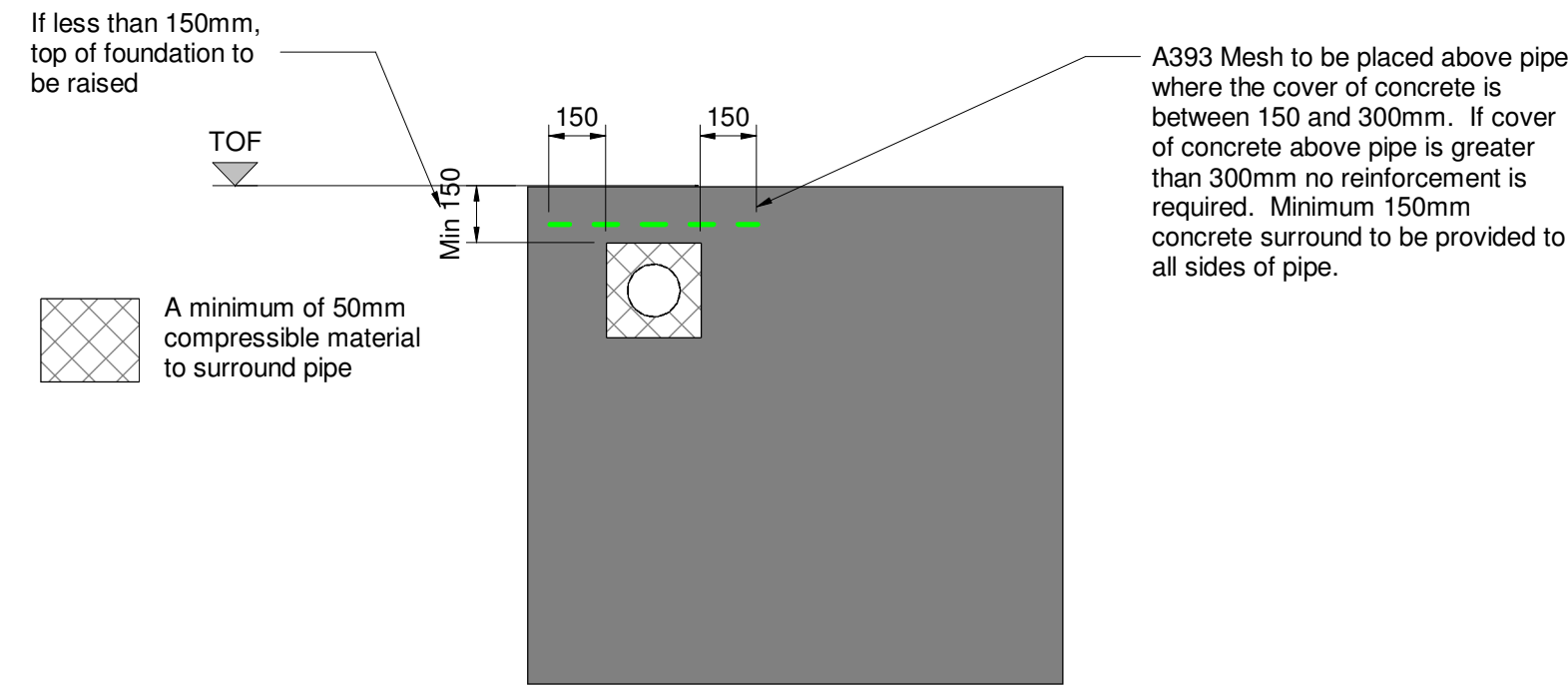
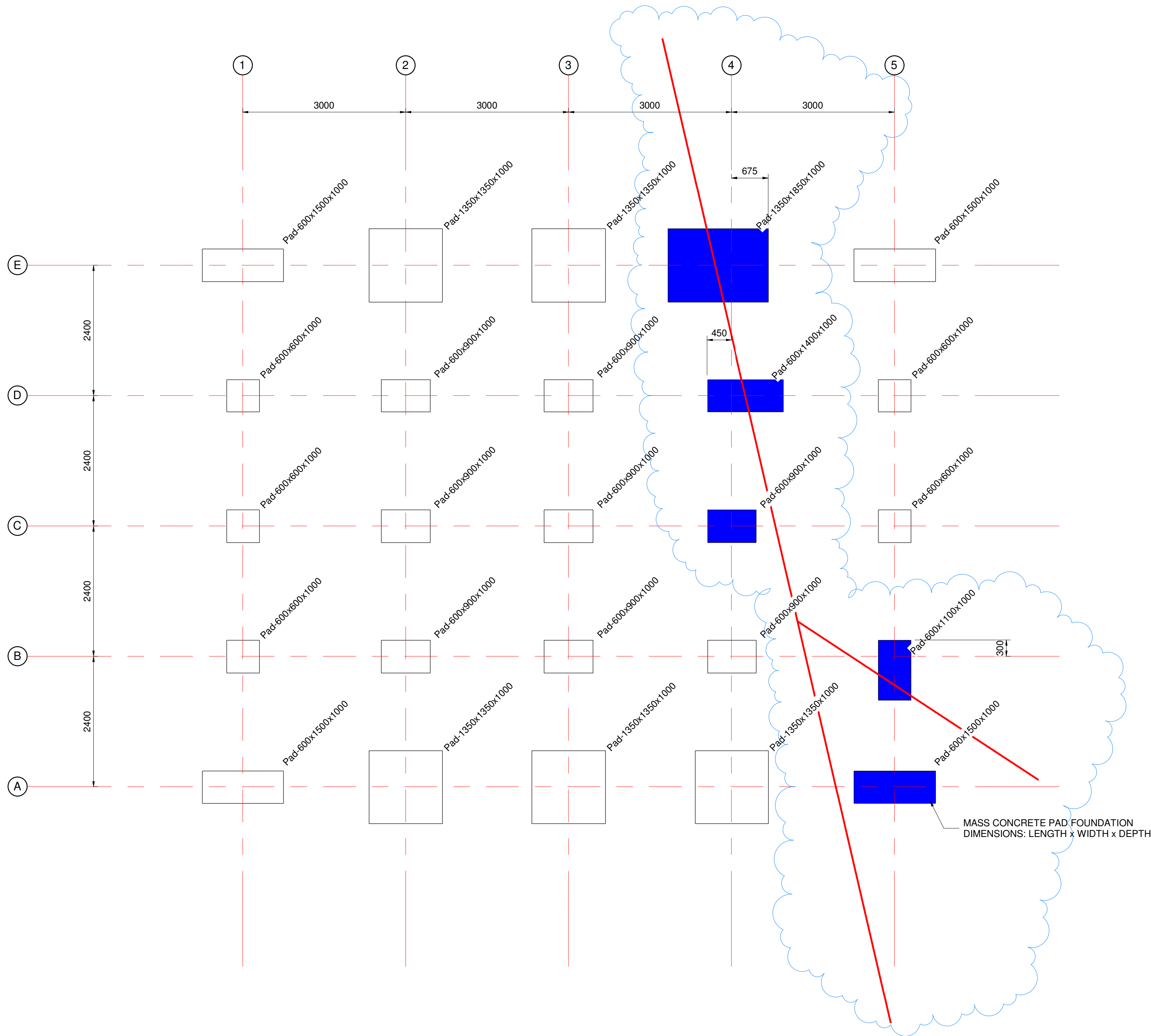
Risk Ref	Residual Risk Possible Risk/Control Measures
	Further possible control measures have been identified within the Design Risk Assessments which may help to mitigate these and other identified risks further during the construction / maintenance process.
01	Contractor to use saw with integrated water pump
02	Contractor to review services layout and CAT scan working area
03	Excavation to be supported if entering to assess competency of formation

NOTES

- Foundation layout based on Balfour Beatty drawing 2808-Thurscoe-004, drawn by DG, date 17.07.17. Not formally issued.
- Loading based on information from the above drawing.
- Foundation setting out and loading to be checked against latest version of the above drawing by Balfour Beatty before commencement of works.
- Max foundation loading:
 - 1350x1350 - 92kN
 - 600x900 - 28kN
 - 600x600 - 14kN
 - 600x1500 - 46kN
- Top of foundation is to be cast at ground level, ground level is assumed to be consistent across the proposed building footprint.
- Level to be raised to that required by modular building supplier by using precast concrete paving slabs or similar.
- Foundation formation to be a minimum 900mm below ground level based on recommendations in NHBC part 4.4 for soils with medium volume change potential.
- Borehole ref SE40NE16 on British Geological Survey website indicates 990mm of spoil covering the site, foundations are to be founded in the clays below, if spoil is found to be deeper the foundations are to be increased in depth.
- A minimum bearing capacity of 75kN/m² has been assumed in the design of the foundations, contractor is to confirm by appropriate means whether this is appropriate and report to Pick Everard if found to be lower.
- Concrete grade for foundations - FND2

 Depth of foundation to extend to 150mm below invert drainage. Minimum depth of foundation 1000mm

 Approximate line of existing drainage, based on BB000-IMB-XX-XX-DR-B-0007



Typical Drainage Penetration Through Foundation
1 : 20

CDM - Design Risk Assessment - All						
Risk Ref	Hazard/Hazardous Activity	Hazard effect	Design Review	Residual Risk Possible risk/control measures	Who is affected	C/F
01	Saw cutting existing slab	Inhalation of dust	Foundation size to be kept to a minimum	Contractor to use saw with integrated water pump	CO	P
02	Striking Buried Surfaces	Electrocution of construction operatives	Foundation size to be kept to a minimum	Contractor to review services layout and CAT scan working area	CO	P
03	Collapse of Excavations	Buring construction operatives	Foundation depth to be kept to a minimum	Excavation to be supported if entering to assess competency of formation	CO	P

C02	Drainage identified on drawing following survey.	25.09.17	OLJ	RAK
	Foundation sizes revised to accommodate			
C01	Construction	05.09.17	OLJ	RAK
Revision	Date	Dm	Chk	
This document references the following files:-				
Reference Name	Status	Revision		
BB000-XX-ZZ-KQ-S-0001	S0	P01.01		

Client
Balfour Beatty

Project
Thurscoe Depot

Drawing Title
Foundation Layout

Suitability Status				
A1-Approved & accepted as stage complete				
Job No.	Scale		Size	Rev
170866	As indicated		@ A1	C02
Drawing Number				
BB000 - PEV - XX - FD - DR - S - 1011				
Project Code	Originator	Zone	Level	Type
				Role
				Number