

Operational Instructions

OI - 5.2 | Ring Beam Foundation

Revision:

B

Section:

5.0 - Plot Groundworks Stage 1

Visual Aids



Information

Task Specific Safety Checks & Notes	Operational Checks
● In the first instance, please ensure you have referred to your site-specific Risk Assessments & Method Statements (RAMS) ● Foundations are to be segregated in accordance with MIDA Operational Standard - 2.7 - Segregation - Foundations	● Before commencing works, ensure a sub-pump is on site ● Have you checked the specification – concrete, steel, void formers etc.? ● Has an integrity test been carried out and passed? ● Please ensure foundation is set out by your site engineer – ensure pins are covered with mushroom caps ● Trench excavation is to be a maximum of 450mm from the centre of the pile for working space – do not dig out the whole footprint of the plot – consideration of pile cropper width when ordering (keep trench widths narrow) ● Ensure dig depth considers Cellcore and Blinding – double check the site-specific drawings ● Piles are to be cut off to the design level – ensure steel is left protruding to the correct level and protected with mushroom caps ● If steel is overcut, ensure the correct extension sections are used to comply with specification ● Blinding is to be either concrete or gravel: ○ Concrete to plots without Cellcore ○ Gravel to plot with Cellcore ● Cellcore is to be cut in around piles neatly – all Cellcore is to be taped together using duct tape ● Steel cages are to be landed and spliced on spacer blocks – spacers to be either concrete blocks (cut to 50mm x 50mm) or preformed steel or plastic spacers – placed at no more than 1m centres – stagger spacer blocks ● Have you double checked the links in the cages – do so before the NHBC inspection ● Ensure steel is cleaned before NHBC inspection ● Beam form is to be tied to the cages using preformed pre-formed spacers - at centres as per the specification. Ensure the beamform is tied correctly so it doesn't "bow" when backfilling – lines need to be straight ● Ensure working space trenches are backfilled carefully and with suitable as-raised material ● Ensure foundations are free from water and the formation is free from debris ● A pre-pour inspection is to be carried out with the site engineer before the NHBC inspection – is the level correct? ● Whilst pouring, ensure we are utilising a mechanical poker to remove any air voids and maximise compaction ● Use a pouring bucket to discharge the concrete – clean any concrete spillages from the top of the foundation
QA Checks & Actions	Operational Standard - References
● Form QMF 24 – Foundation Record ● Photograph the completed area and include in your photographic daily diary	● MIDA Operational Standard - 2.7 - Segregation - Foundations