

Operational Instructions

OI - 5.11 | External Drainage

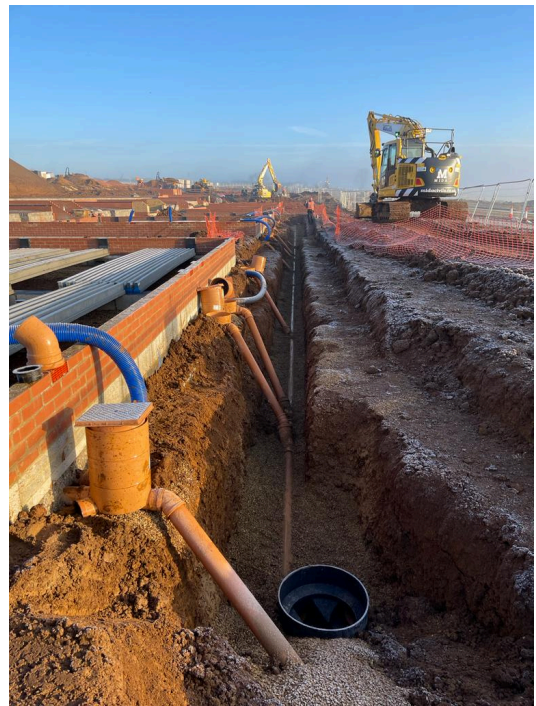
Revision:

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) ● Excavations are to be segregated in accordance with MIDA Operational Standard - 2.9 - Segregation & Edge Protection - Excavations Under 1.2m	● Before commencing, ensure that the area around the plot is filled and compacted to the correct formation levels ● Prepare the work area before we start – ensure a “Sitestak” is used to store materials neatly ● Check that the pipe gradients work – raise RFI’s if layouts and levels need to be altered ● Please ensure we always work to the drawing – check the manhole positions and how they relate to the external paths and patios ● Where practical always try to keep manholes out of footpaths, edging lines, fence lines etc. ● For presentation, ensure that manholes are installed in straight lines ● To avoid blockages, the main channel entry connection should be used in all cases for the highest velocity flow – i.e: the SVP should connect to the manholes main line channel ● Ensure all redundant manhole channels are capped off ● Rubber seals to be installed to all raising sections before installation ● All manholes in trafficked areas are to have the top two rings surrounded in concrete ● Ensure that all manhole covers to trafficked areas are B125 - these are to be installed at Stage 1 to reduce damages. ● Recessed covers to be used in all slabbed & block paved areas (check required loadings before install) – to be installed at external stage ● Ensure all plastic covers are screwed down and protected as per MIDA Operational Standard - 3.3 - Manhole Protection ● Pipe gradients are laid: ○ Minimum 1/80 for 100mm dia ○ Minimum 1/150 for 150mm dia ● Pipe bedding is to 10mm recycled gravel where possible ● Ensure the pipes are bed on at least 100mm thick bedding material ● Ensure drainage pipes do not contact each other and a 100mm distance is maintained at crossing points ● RWPs are to be surrounded in gravel and a 90mm black plumbers duct installed before handing the plot back – as per MIDA Operational Standard - 5.7 - Plumbers Connection at RWPs
QA Checks & Actions	Operational Standard - References
● Form QMF 23 – CML Handover ● Ensure that alterations are recorded on as-built drawings and issued to the client for record purposes ● Photograph the completed area and include in your photographic daily diary	● MIDA Operational Standard - 2.9 - Segregation & Edge Protection - Excavations Under 1.2m ● MIDA Operational Standard - 3.3 - Manhole Protection ● MIDA Operational Standard - 5.7 - Plumbers Connection at RWPs