



CJ Construction (Wales) Ltd - Method statement

		Project title		Heol Crwys					
Location		Front road		Contract no.					
Method statement title		Excavation for Drainage		Reference					
Description of work		Excavation and fitting of new drainage to main road							
This method statement has been developed and must be read with the following risk assessments									
Risk assessment reference		Title							
213 manual handling		215 excavations buried services							
214 excavations general		305 excavators							
Work commences on		01/10/24							
Areas to be worked in		Main road							
Duration of work (actual or estimated)		30 days est							
Number of workers (actual or estimated)		6							
Personnel (include details of all personnel involved in the task and any specific training, skills or qualifications required)									
Name		Position		Competence details					
Emergency arrangement details									
 Fire/evacuation		 First aid		 Pollution/spill					
As fire action plan		Lee Bamford 1 st aider First aid box site office		Spill kit present					
				Other					
Personal protective equipment (PPE) requirements									
 Head (EN 397)	 Foot (BS EN 345-1)	 Hi-vis vest	 Hand (BS EN 388)	 Eye (EN166)	 Hearing (EN 352-1)	 Fall arrest	Other	Other	
Yes	Yes	Yes	Yes	Yes	NO	NO			
Construction dust (Note: construction dust is harmful and can lead to fatal lung diseases such as silicosis)									
Will the work create dust or fumes?							/	Yes	No
Identify specific control measures to avoid or minimise dust or fumes			tarmac to be wet cut to avoid excess dust pollution						
Identify respiratory protective equipment (RPE) that will be required if dust or fumes cannot be avoided			FFP3 Mask to be worn when cutting						



Method statement *continued*



Hazardous materials					
Are hazardous materials to be used?		Yes			Are COSHH/DSEAR data sheets available?
Attach or identify specific controls required from COSHH risk assessment		Cement burns, Contact with eyes, repertory risk. PPE to be worn at all times			
Permit required (tick below)					
Yes	Permit to work (general)	N/A	Permit to enter (confined spaces)	Yes	Permit to dig
N/A	Hot-work permit	N/A	Out of hours work permit	NO	Other
Details of person issuing permit					
Description of safe method of work					
- Prior to the start of any work, buried services will be identified using a CAT and service drawings. - The working area will be fenced off and will coincide with the Traffic Management design. This will create a safe area to work and will form a barrier to restrict potential unauthorised access. - No tools or equipment are to be left outside of the fenced off work area. - All materials will be kept in a clean and tidy area set aside. The area is to be free of trip, slip and fall hazards. - Safe digging practices will be adhered to during excavations at all times. Live services are present in the ground and operatives will be mindful of their locations. The HSG47 Avoiding danger of underground services guidance will be followed when digging near all services. Please note, in the event of unidentified services being found treat as live at all times. - All plant is to be operated by a trained competent person at all times. - All plant is to be banked at all times by a competent person. - When refueling of plant is required, a spill kit will be present. - PPE to be worn by our operatives as stated in the site induction, task specific PPE will also be worn during the works. - Operatives are to be mindful of passing pedestrians and traffic at all times. - Excavations will be made secure by fencing off when unattended throughout the day and during the evening. - Deliveries of materials and removal of waste materials (muck away) will be scheduled at a time so it does not affect the school pick up/drop off times and will coincide with any school deliveries. - Delivery vehicles will be banked at all times. Sequence of works : The new run will be laid in sections. Starting from the associated man hole and working towards the next. Man holes and pipe will be laid as followed - Tarmac will be cut using a road saw, operated by a competent person. The correct PPE will be worn when operating. - Man holes - tarmac will be removed, the hole will be excavated using a toothless bucket to the required depth and width using an excavator. - A man hole box will then lifted into the excavation, to form a safe area to work. The base will then be concreted and the rings will then be fitted. (a ladder will be used for the access in to the excavation) - Lifting of the concrete rings will be carried out using lifting pins and chains attached to the tele handler. The lifting operation will be controlled by an appointed signaller who will control the lift. - Once the rings and adjoining pipe work have been fitted, shuttering pans will be fitted around the rings and concreted. - The excavation will then be backfilled around the new man hole, compacted in layers of 200mm. Operatives will wear correct PPE at all times and alternate the task every 5minutes to minimise any potential HAVS risk (please see attached HAV calculations) - The drainage run will be marked out and cut using a road saw, this will minimise the width of the trench. - Using the excavator the tarmac will be peeled up and then lifted into a dumper. The waste will be stored in a stock pile on site - A trench box will be lowered into the trench to provide a safe working area when fitting the new drainage pipe. (access will be via a ladder) 10mm pipe bedding will be used around the pipe work, filled using the excavator. - Once the pipe is fitted, the trench box will be removed and the trench backfilled . The trench will then be compacted in layers of 200mm using a petrol whacker plate. Operatives will wear correct PPE at all times and alternate the task every 5minutes to minimise any potential HAVS risk <u>Connection to the existing sewer</u> Once all new drainage has been installed to the road and connected to the proposed M/H down stream, the connection to the main sewer upstream will be ready to be made and make the diversion live. A bung will be place in to the existing sewer to block any waste entering the new line when the connection is made, once the connection is made the bung will be removed and the new diversion will be operational. Concrete Deliveries - The concrete wagon will arrive at the allotted time and met by an appointed banksman - The wagon will reverse up to the excavation (banked at all times) and discharge the concrete. - Once the concrete has been discharged the wagon will be directed to the washout area on site.					



Method statement *continued*



Tools, plant and equipment	
Type	Details of inspections/test certificates
excavator	Test certs to be present and operatives comp cards kept on file
Petrol powered whacker plate	daily visual inspection to be carried out before use
Tele handler	Test certs to be present and operatives comp cards kept on file
Road Saw	daily visual inspection to be carried out before use
Dumper	Test certs to be present and operatives comp cards kept on file
Briefing register	
A copy of this briefing register must be attached to the method statement, together with other relevant information <i>(such as the associated risk assessments, permits or COSHH assessments).</i>	



Method statement *continued*



Supervisor in charge of the work

I confirm that I have read and understand the requirements of this method statement and associated risk assessments and have communicated them to operatives under my control and to those who may be affected by its requirements.

Note: it is important that you test the operatives' understanding and assume they have read and understood the method statement and risk assessments.

Name	Lee Bamford	Position		Signature		Date	
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Operatives/workforce carrying out the work

I understand and will agree to adhere to the contents of this method statement and the associated risk assessments.
I have attended a site induction/briefing that explained the general site rules and necessary site specific arrangements.

Name	Position	Signature	Date

If you have any doubt about information given or contained in this method statement – ask for clarification.



Index to Risk Assessments

Section 1

Working at height

- [101 – Work at Height](#)
- [102 – Scaffolding: General access](#)
- [103 – Scaffolding: Erection and dismantling](#)
- [104 – Scaffold Towers](#)
- [105 – Mobile elevating work platforms](#)
- [106 – Trestles](#)
- [107 – Ladders](#)
- [108 – Stepladders](#)
- [109 – Stilts](#)
- [110 – Safety nets: Provision and use](#)
- [111 – Safety decking](#)
- [112 – Fall arrest mats](#)
- [113 – Work-restraint system](#)
- [114 – Fall arrest harnesses](#)
- [115 – Fragile roofs](#)
- [116 – Flat roofs](#)
- [117 – Sloping roofs](#)
- [118 – Holes or edges](#)

Section 2

Operations

- [201 – Asbestos containing materials \(ACM\)](#)
- [202 – Asbestos cement products](#)
- [203 – Demolition](#)
- [204 – Electricity](#)
- [205 – Fluorescent light removal/disposal](#)
- [206 – Glazing](#)
- [207 – Grit blasting](#)
- [208 – Exposure to Lead](#)
- [209 – Exposure to Noise](#)
- [210 – Refurbishment](#)
- [211 – Road works](#)
- [212 – Welding](#)
- [213 – Manual handling](#)
- [214 – Excavations: General](#)
- [215 – Excavations: Buried services](#)
- [216 – Confined spaces – including manholes](#)
- [217 – Work over/adjacent to water](#)
- [218 – Falsework](#)
- [219 – Erection of steel/timber structures](#)
- [220 – Exposure to Discarded Needles and Syringes](#)

Section 3

Plant and lifting equipment

- [301 – Bitumen boilers and cauldrons](#)
- [302 – Crane operations](#)
- [303 – Scaffold crane](#)
- [304 – Dumpers](#)
- [305 – Excavators](#)
- [306 – Forklift trucks and Telescopic Handlers](#)
- [307 – Gin wheel](#)
- [308 – Goods hoist](#)
- [309 – Passenger hoist](#)
- [310 – Maintenance of plant](#)
- [311 – Piling operations](#)
- [312 – Traffic management](#)
- [313 – Driving of Motor Vehicles on Company Business](#)

Section 4

Power tools

- [401 – Abrasive wheels](#)
- [402 – Chainsaws](#)
- [403 – Cartridge operated tools](#)
- [404 – Portable power tools](#)
- [405 – Woodworking machinery](#)
- [406 – Vibration in hand-held power tools](#)
- [407 – Stone-working machinery](#)
- [408 – Nailing tool – Pneumatic/Gas](#)

Section 5

Fire hazards

- [501 – Fire prevention](#)
- [502 – Hot work](#)
- [503 – Diesel fuel](#)
- [504 – Highly flammable products](#)
- [505 – Liquefied petroleum gas](#)

Section 6

Special groups

- [601 – Unauthorised visitors](#)
- [602 – Authorised visitors](#)
- [603 – Authorised visitors - house purchasers](#)
- [604 – Employment of young persons \(under 18\)](#)
- [605 – Lone workers](#)

Section 7

Miscellaneous

- [701 – Blank assessment](#)