

ARCHITECTURAL METHOD STATEMENT

Embassy Village – Canal Surface Water Outfall Construction

DOCUMENT REF.	VCL049 – Embassy Village LBC Con 3 Method Statement
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CURRENT REVISION	CURRENT STATUS CODE	SECURITY CLASSIFICATION
-	-	Choose an item.

REVISION HISTORY

REVISION	STATUS CODE	DATE	REVISION DESCRIPTION
-		30.07.2024	First Issue

AUTHOR	Luke Kemel – Design Manager
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ARCHITECTURAL METHOD STATEMENT

1. Introduction – Scope of Works

This method statement covers the safe installation and construction of the surface water outfall through the existing Bridgewater canal wall from the Embassy Village development for Vermont Construction.

2. Reference Documents

Contract drawings:

077442-CUR-XX-XX-SP-C-00001_v01 Drainage-Specification9957-D-001 – Rev D

077442-CUR-XX-XX-RP-C-92001-V01 Listed Consent Outfall Full Report

3. Pre-commencement Requirements

Drawings to be issued for construction

Vermont site induction prior to start on site

All machine operators and slinger signallers to have valid safety critical medical.

Machine operators to hold valid lifting ops certs with CPCS/NPORS card

Safe system of works to be established using heras fencing, etc; segregating other operations

Edge protection to be in place around excavations

Agree lay down area/s

Agree plant route between lay down works area

Excavator lift plan

Agree discharge points for any dewatering/pumping

There are toilets within the construction site boundary

Temporary works approved

4. Resources – Materials, Plant and Labour

Materials

- 300mm plastic surface water pipe
- 300mm flange ductile iron flap valve
- Fixing for above
- Grout
- Timber formwork

Plant

- Excavator – various sizes
- 3 tonne dumper
- Fuel bowser
- Temporary works – sheets and pile shoring
- Scaff
- Drilling gear

Personnel and Labour

- Site Manager – Corbin Mingo
- SHEQ manager – Sean Devaney
- Pipe layer
- Drilling operatives
- CISRS accredited Scaffolders
- Topman
- excavator drivers
- dumper driver
- slinger/signaller

5. Methodology

- Engineer to set out alignment of drainage through canal wall.
- Any access conflicting with works to be diverted prior to commencing activities and agreed by Vermont.
- Canal water level to be recorded.
- Excavator to reduce ground by 1.0m in dig area behind the wall.
- Canal will be drained by Approximately 1.0meters to uncover area for submerged outfall.
- Bottom of scaffold will be at reduced water level as pipe exits the canal wall approximately 500mm below the water line.
- Sheet piles picked and driven into ground from alignments given from engineer behind canal wall to provide the head of the drilling pit. All lifts carried out in line with excavator lift plans.
- Shoring installed in line with temporary works design and pit dug to required level allowing for 0.75m below base of the core drill level.
- Concrete placed in base of pit and pump sump pump formed in the corner of base.
- Excavation protected with edge protection at all times and excavation zone heras panelled off when not in use and at end of shift.
- Drilling gear setup in excavation, levels to be re-checked prior to commencing the required 300mm hole drill through wall.
- Cantilever hanging scaffold to be installed over canal wall. Scaffold installed from top of canal wall utilising a kentledge system with no mechanical fixings – Dimensions of scaffold are 3.6m in width and will extend past the canal wall by 1.5m into the area above the canal – Refer to 4071-CDS-1 Model & 4071-CDS-1 Calcs attached to this document.
- Prior to drilling commencing, operative to place sandbags around the face of the canal wall where hole will exit from the face of the wall to pick up any lubricant used during the drilling operation.
- Hole drilled from back of canal wall until through
- Cores pulled back and cored material disposed of at the site's waste facility.
- Drainage pipe threaded through hole until flush with face of canal wall.
- Gaps between the pipe and the canal wall to be sealed with polysulphide joint sealant.
- Upon completion all work areas to be reinstated to existing details and cleaned down. Any accesses formed into the service tunnel will be made good to the existing detail.
- Temporary works shoring removed in reverse order of install allowing for safe backfill until back to ground level
- Fix flap valve or mesh to face of wall – any voids between flap valve/mesh and wall to be pointed up with rapid set mortar
- Scaffold removed in reverse order of install.
- Canal to be refilled to original level.

6. Programme

Start date to be confirmed once site has lawfully commenced. Provisionally scheduled in for Q4 2024.
Expected duration to complete these works is 2 weeks from commencement.

7. Quality

Primary setting out stations to be supplied by Vermont
ITP for Drainage/ ductwork and drainage check sheets and as built survey

8. Safety

General Safety

All site personnel are to use the designated walkways
If you need to enter the zone of influence of an excavator or other item of operated plant you must ensure that the operator has seen and acknowledged you first
The plant operator must signal to confirm they have seen you and then ground the bucket
Only then is it safe to walk into the zone of influence
When clear of the zone of influence of the machine the person must signal to the driver that they can continue
Only when they have received this signal can the plant op recommence working
Scaffolding personnel when working over the watercourse will have 50kn self-inflating life jacket
All personnel operating above the water course to be contained within the scaffold collective edge protection
All personnel operating over the watercourse to wear 50kn self-inflating life jacket
Minimum PPE shall be:
Hi Visibility Vest – BS EN 471
Safety Boots – BS EN 345 SBP with ankle support
Gloves – BS EN 388 / 420
Light Eye Protection – BS EN 166 1 F
Head Protection – BS EN 397
Task specific PPE via assessment of working activities (safety harness, lanyard and 50kn life jacket)

Lifting

All mechanical lifting will be planned in advance of the works. Lift plans will be prepared and issued by contractor.
Deliveries
All deliveries are to report to the Vermont gate man
Vermont traffic management plan to be followed
Contractors banksman will guide the delivery vehicle on site
Delivery drivers to wear PPE when outside their vehicle
Operatives must not stand on flat back wagons unless adequate fall restraint is in place

Emergency Procedures

Working adjacent to and above water will be covered in the Risk Assessments.
All accidents must be reported to contractors site management immediately who will then inform Vermont
First aid kits will be located at the work site and at the main compound
Accidents must be recorded in the accident book
The closest Accident & Emergency hospital is
Manchester Royal Infirmary
Oxford Road, Manchester, Greater Manchester, M13 9WL
0161 276 1234

9. Environmental

All pumped water and any discharge is to be checked regularly by contractors management.

All refuelling is to be carried out in the designated area.

Plant nappies to be used for small plant & generators.

Spill kits to be located at work area and refuelling points – all spills to be reported to management and cleaned up immediately. Used items to be bagged and disposed of as special waste.

Dust suppression to be used when cutting concrete.

Site to be kept tidy and all waste to be put in skips.

Hole drilled from rear of wall to stop ingress of drilling slurry entering the canal.

Sand bags to be placed at front of wall to hold any drilling slurry entering canal.

Scaffold to be lined where possible to reduce risk of concrete/grout entering canal.

10. Appendices