

CDM 2.0 Pre-Construction, Works Information Package & Design (WIP)

Document Control			
Document Name:		25aNWCU-CRT-AN-011-014-WP-C-0001	
Document Title:		Store Street Aqueduct Leak Repairs	
Revision Change Log			
Status/Revision	Date	Description of change	Author
P01	03/06/25	Initial PCI Issue	J Mitchell
P02	03/06/25	Reviewed, awaiting service info & EnvApp	S.Catterall
P03	24/06/25	Part of works on hold pending LBC	JMitchell
P04	30/06/25	Service Search Results Links added	JMitchell

Responsible Managers on behalf of the Trust		
CDM Role	Name	Signature
Client	S Catterall (Asset Eng responsibilities only)	<i>S.Catterall</i>
Designer	CRT	<i>J.Mitchell</i>
Principal Designer	CRT	<i>S.Catterall</i>
Principal Contractor	TBC	

Reviewed By:	
Name: S.Catterall	Role: Principal Designer
Signed: <i>S.Catterall</i>	Date:03/06/25

SECTION ONE Pre-Construction Information (PCI)

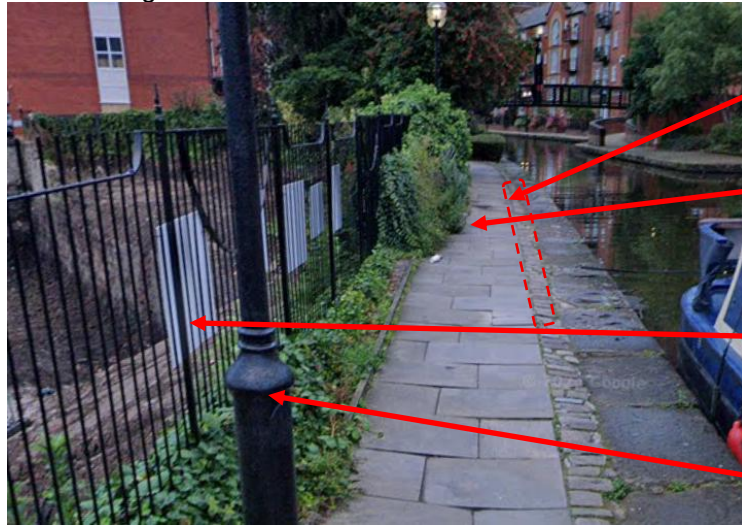
General Information	
Region	NW
Waterway	Ashton Canal
Functional Location	AN-011-014
Grid Reference / What3Words	
Post Code	

Defects to be Rectified or Improvements Required	
Notification Number(s)	ZX Description
19034601	Reactive Grouting Works
Package Number	26NWCU

Project Description & Nature of Works (Including Timescales)
<p>Reactive Grouting Works</p> <p>A leak has developed at the upstream end of Store Street Aqueduct and needs to be repaired to prevent further deterioration. Directly adjacent to the leak is a property development which is currently under construction, the leak at this point was reported by the construction contractor. The contractor reported that the leak stopped when the pound level was reduced. A grout curtain of approximately 5m is anticipated to be required in the towpath to stop the leak at the eastern extent. A grout curtain of 8m is required to stop the leakage through the masonry wing wall which could potentially run onto Store Street (ON HOLD PENDING LBC). This 5m grout curtain is to be done at the earliest opportunity as it is not part of the aqueduct and will prevent the leak from becoming worse. The 8m grout curtain is not to be undertaken until consent has been granted from Manchester City Council Heritage team as this area is part of the aqueduct. The paving is to be lifted before drilling then reinstated on completion of the grouting.</p> <p>There are leaks to the west of the structure which will be addressed as part of a different package of planned works.</p>

Asset Management Record Photographs

View looking US



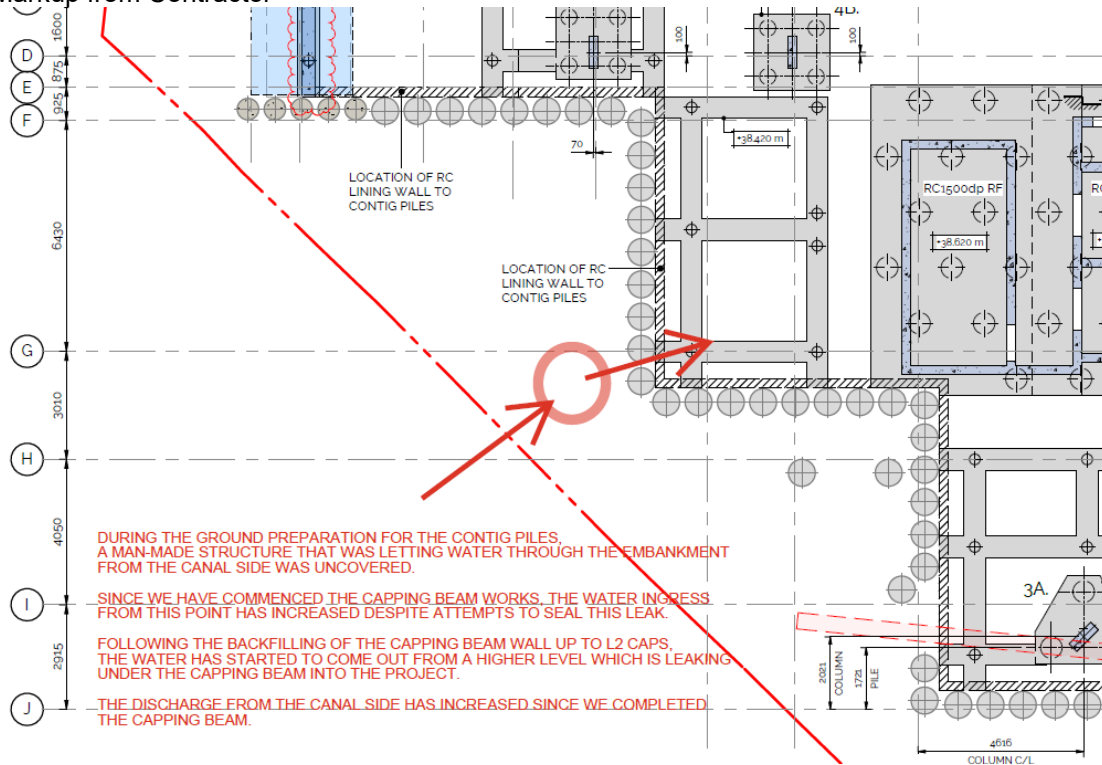
5m grout curtain

Approximate location
of the leak – near
vegetation

Construction Site

Street Furniture – potential LV
cables

Markup from Contractor



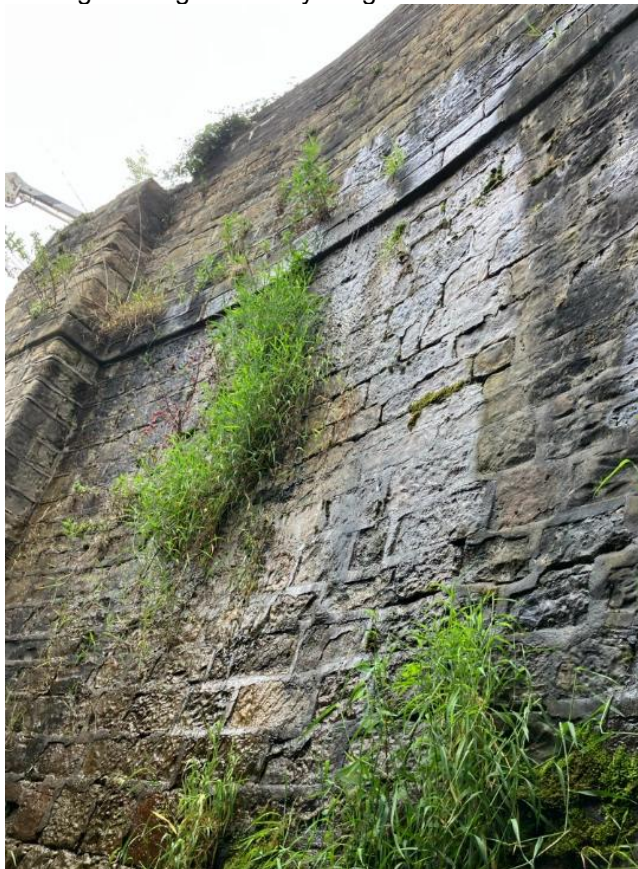
Asset Management Record Photographs

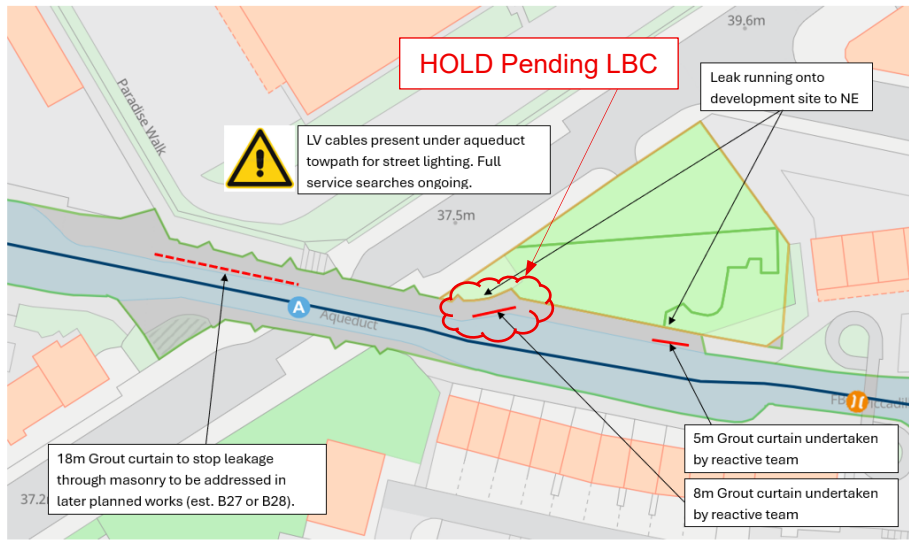
Leakage onto Store Street – Towpath Level **ON HOLD PENDING LBC**



8m grout curtain

Leakage through masonry wing wall from street level



1	Site/Asset Information
1.1	Site Location Description/Plan 
1.2	Consideration of Potential Access Routes/Locations and Site Boundaries Access to the site is pedestrian only along the towpath from either Gt. Ancoats St. or Ducie St. The site is in an urban environment with residential and commercial properties close by. The part of canal is popular with pedestrians – increased traffic along the canal can be anticipated due to the city centre location.
1.3	Use of Surrounding Land/Waterbodies The area surrounding the aqueduct is urban, the aqueduct crosses Store Street at a 45° skew to the West of the works area. Adjacent to the towpath is a small retaining wall with a construction site to the rear. The site is a former embankment which has been developed with CFA piled foundations at present. The leak is running onto this site and access to this site will be required to ensure the leak is repaired.
1.4	Existing Services Services will be present in the aqueduct for the street lighting which cross the aqueduct. No service data is currently available on the Asset Library. Service searches sent for June 25 are linked below, no intrusive works should be undertaken until all the service searches have been received and reviewed. AN-011-014 Service Searches.zip
1.5	Existing Hazardous Materials No specific hazards known – materials anticipated to be typical for an industrial canal. Due to the city centre location having a considerable number of rough sleepers the area has an increased likelihood of being exposed to drug paraphernalia.
1.6	Existing Structure/Asset and Ground Conditions Aqueduct parapet is constructed from coursed masonry. The aqueduct overall is graded in fair condition (AN-011-014 – Asset Library). Capacity of towpath over the aqueduct is not known – the towpath surfacing is poor and the paving is loose in places. The paving may be subject to conditions due to the structure being Grade II* listed.
1.7	Over Pumping Requirements No over pumping anticipated as part of the works – grouting can be undertaken with the aqueduct in water.

Relevant Information	Provide References or N/A +Reason
Existing Information - Inspections/Surveys/silt surveys/drawings/Photographs/H&S file	Refer to Asset library for existing information Aqueduct AN-011-014
Lock Gate Requirements (if any)	None
Will the works require notification to the HSE?	No
If 'YES' insert date F10 submitted to the HSE and the reference number:	N/A

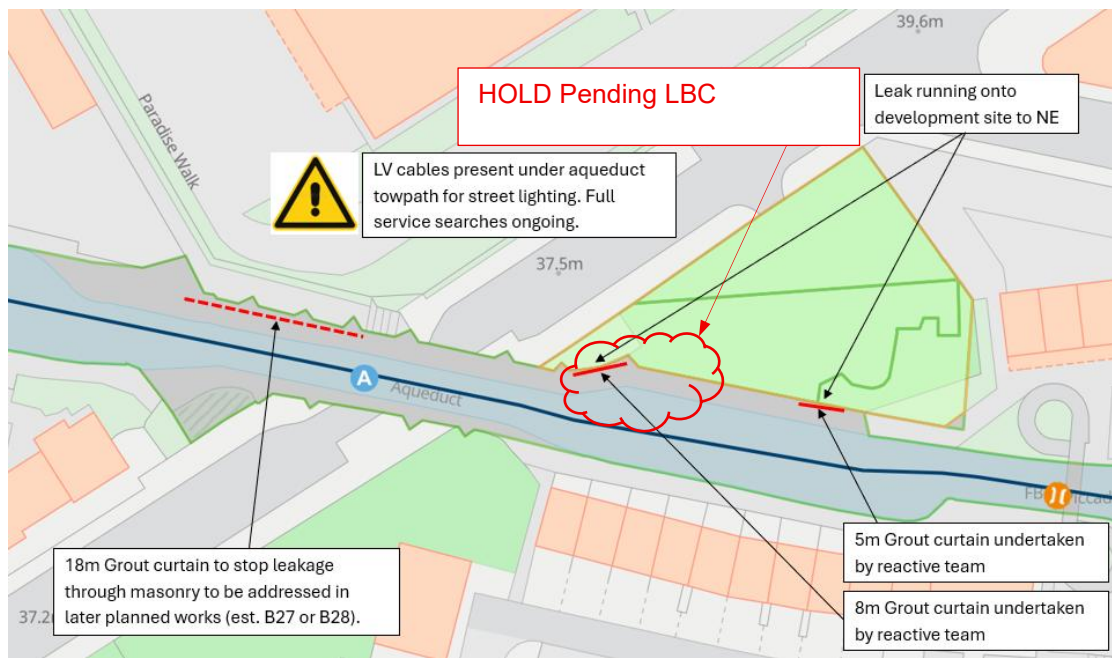
Key Constraints / External Approvals Required	
Planned Stoppage	N/A
Stoppage Dates/Period	N/A
Other Key Dates	
If not a planned stoppage - is a navigation restriction anticipated?	No
Is a towpath closure/restriction anticipated?	Yes
Statutory Designations	N/A
Known Environmental & Heritage Constraints	The aqueduct is a Grade II* listed structure and LBC will be required for grouting elements on the structure. The grouting outside of the curtilage of the aqueduct can be undertaken.
Use of CRT Premises (if appropriate)	N/A

SECTION ONE Completed By:	
Name: James Mitchell	
	Date: 24/6/25

SECTION TWO Design Including Significant Residual Risks of Design & Construction Risk

Description of Scope of Works & Design Solution(s)
<p>There are leaks to the east & west ends of the aqueduct.</p> <ul style="list-style-type: none"> East end – a 5m x 1m dp PU grout curtain at 300mm cc to be installed just behind copings to stop the leak into the construction site. East end – an 8m x 1m dp PU grout curtain at 300mm cc to be installed just behind copings to stop the leak through the wing wall. (HOLD pending LBC) West end – an 18m x 1.5m dp PU grout curtain at 300mm cc to be installed just behind copings to stop the leaks through the retaining wall to Paradise Walk <p>All grout curtains to be installed as close to the back of the coping stones as possible.</p> <p>All granite setts/paving flags to be lifted prior to drilling & reinstated with lime mortar on completion of grouting.</p> <p>Grouting to the east end to be completed as soon as approval is granted. Grouting to the west end to be scheduled into the HPW plan.</p>

Design Engineer Site Visit/Other Photographs	
See above	

Design Drawing(s)	
	
Temporary Works Considerations	
None required	
Existing Services	
To be completed before the work is carried out. Street lighting cables are known to be present. Service search results June 2025 linked: AN-011-014 Service Searches.zip	
Environmental & Heritage Considerations	
EnvApp Reference:	TBC

Significant Residual Risks of Design & Construction

Ref. A.# for Construction and commissioning
 Ref. B.# for Repair/ maintenance/ cleaning
 Ref. C.# for Disassembly / dismantling/ demolition



Ref	Activity and hazard	Design input to eliminate/reduce hazard	Significant Residual Risk
B	Buried services	Obtain service drawings & follow safe excavation procedures	Medium
B	Grouting	COSHH – Contractor to specify grout material & follow appropriate COSHH controls	Low
B	Work near water	N/A	Low

SECTION TWO Completed By:

Name: S.Catterall

Role: Principal Designer

Signed: **S.Catterall**

Date: 03/06/25