NEWSUBSTANCE

CityLink Walking Route - from Holt Town to Etihad Campus

Design & Access Statement

February 2024

Event Safety Plan

D-FDST-ST-21-006

Purpose

The CityLink Walking Route from Holt End to Etihad Campus connects Co-op Live with communities, creating shared moments of wonder and joy as families and friends explore the technicolour path to and from the venue. Installations reflect the values of the arena: a trail for the planet, for the people and for everyone - committed to sustainability and community. From gig audiences to footie fans, the trail is packed full of destination experiences and instagrammable icons that will extend the fan experience as part of a great day and night out in Manchester.

Audiences will stop, pause and play; enjoying the lights and sounds of the CityLink Walking Route.

From sunset to nightfall, installations will illuminate the way to and from Co-op Live; whilst sound waves will fill the air from the chatter of visitors to the chants of fans. At one with sounds of nature, this hive of activity is a colour canvas on which to spotlight great local talent.

This Design and Access Statement has been prepared on behalf of NEWSUBSTANCE for the installation of eleven 'installations' which make up the activation of the CityLink Walking Route from Holt End to Etihad Campus, to be located along the 'CityLink' footpath which runs alongside the MetroLink tracks between the junction of Frost Street and Merrill Street, and the Etihad Campus.



This Planning Application will allow the erection of eleven installations which vary in size, shape, style and height, further details of which can be found below. The purpose of this document is to explain the primary design principles of the installation and discuss elements relating to Location, Siting, Scale, Access and Ecology.

Eleven installations will be added to the areas surrounding the existing footpath. For a General Arrangement plan please see document CWT-001_REVF - SITE PLAN - OVERVIEW. For details of each installation please refer to the following table:

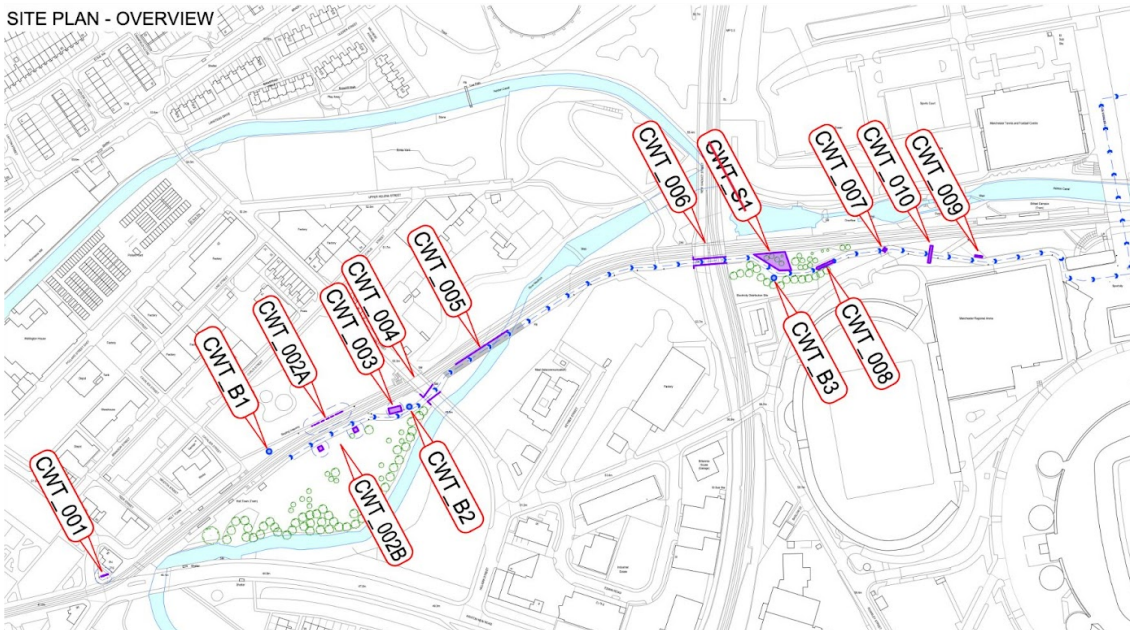
Site	Installation	Title	Easting, Northing	W3W	Drawing Number
A	CWT_001	Trail Start Installation	53.4827765, -2.2134095	lamps.asserts.action	CWT_001_Top_Level
B	CWT_002A	Content Wall	53.4839066, -2.2107305	spare.moons.tubes	CWT_002A_Top_Level
B	CWT_002B	Light Antenna Installation	53.483763, -2.2105722	yards.shirts.cups	CWT_002B_Top_Level
B	CWT_003	F&B Platform	53.4839675, -2.209912	smiled.bond.lost	CWT_TBC_Top_Level
B	CWT_004	Audio Hive Tunnel	53.4841079, -2.2094118	until.blaze.losses	CWT_004_Top_Level
B	CWT_005	Lighting The Way	53.4844522, -2.208746	loved.exit.files	CWT_005_Top_Level
C	CWT_006	Bridge 2	53.4850651, -2.2060312	found.select.model	CWT_006_Top_Level
C	CWT_008	Walk of Fame	53.4850691, -2.2045736	awards.strut.noses	CWT_008_Top_Level
C	CWT_007	Designed HVM Bee	53.4851578, -2.203829	calm.smiled.trail	CWT_007_Top_Level
C	CWT_010	Climate Light Arch	53.4851281, -2.203432	fantastic.stable.recall	CWT_010_Top_Level
C	CWT_009	M-Sign	53.485118, -2.2027465	ashes.drops.evenly	CWT_009_Top_Level

Further information about each artwork can be found in the supporting documents and drawings.

The Location



Site Location Plan



Site Plan

The new installations will be located in various sites alongside the CityLink footpath which mirrors the Metrolink track from junction of Frost Street and Merrill Street, to the Etihad Campus. Detailed plans are attached to this application detailing the location of each installation and their relative location to each other.

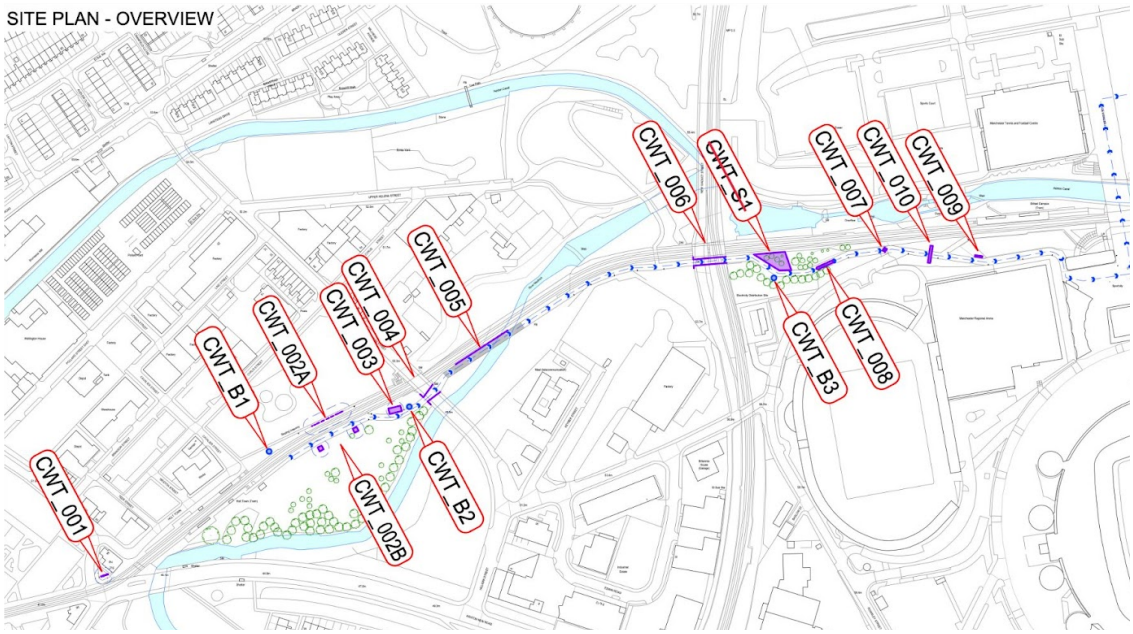
Amount

Site	Installation	Title	Location
A	CWT_001	Trail Start Installation	Junction of Frost Street and Merrill Street - grass area adjacent to derelict public house
A	CWT_002B	Light Antenna Installation	Grass area to the south of the tramlines, approx 120m north east of the Holt Town stop
A	CWT_003	F&B Platform	Grass area between the tramlines and the footpath, adjacent to the Cambrian Street tunnel (west of footpath)
A	CWT_004	Audio Hive Tunnel	Beneath the Cambrian Street bridge, overhead to the footpath tunnel
A	CWT_005	Lighting The Way	Running alongside the western boundary of the footpath separating the footpath from the tramline, northeast of the Cambrian Street bridge.
Site	**Installation**	**Title**	**Location**
B	CWT_006	Bridge 2	Beneath the New Viaduct Street bridge
B	CWT_008	Walk of Fame	On the footpath as the CityLink path moves east from the tramlines and climbs to the junction with Rowsley Street
B	CWT_007*	Designed HVM Bee	On the footpath as the CityLink path moves east from the tramlines and climbs to the junction with Rowsley Street
B	CWT_010	Climate Light Arch	On the footpath as the CityLink path moves east from the tramlines and climbs to the junction with Rowsley Street
B	CWT_009**	M-Sign	On the footpath as the CityLink path moves east from the tramlines and climbs to the junction with Rowsley Street

* Please note that installation CWT_007 is not in consecutive order, and is installed between CWT_008 and CWT_010

** Please note that installation CWT_009 is not in consecutive order, and is installed after CWT_010

The Proposal



Installation Locations

The design principle carried throughout the installation along the CityLink walking route campus sculptural elements is based around strong geometric shapes defined by clean lines and coloured edge details achieved via lighting and bold colour flashes. The aesthetic references structures and stylised forms found in nature blended with the architecture of a city steeped in industrial heritage.

This methodology provides a bold yet light-hearted contrast against the surrounding architecture along the trail be that concrete, Victorian brick or softer natural features of grass verges and tree lines.

Utilising this overarching principle allows the freedom to create thematic moments and convey narrative whilst linking one section to the next through a connected consistent visual language.

Wherever possible the intention is to draw on the creative minds of the region through the creation of typographic murals, audio installations and media.

General Design Principles

Structures shall be designed and assessed to the following applicable standards - Principally;

- Eurocode 0: Basis of structural design (EN 1990)
- Eurocode 1: Actions on structures (EN 1991)
- Eurocode 3: Design of steel structures (EN 1993)
- Eurocode 7: Geotechnical design (EN 1997)
- Eurocode 9: Design of aluminium structures (EN 1999)

As detailed in EN 1990 core structural elements should be designed with an indicative design working life as shown:

Table 2.1 - Indicative design working life

Design working life category	Indicative design working life (years)	Examples
1	10	Temporary structures (1)
2	10 to 25	Replaceable structural parts, e.g. gantry girders, bearings
3	15 to 30	Agricultural and similar structures
4	50	Building structures and other common structures
5	100	Monumental building structures, bridges, and other civil engineering structures
(1) Structures or parts of structures that can be dismantled with a view to being re-used should not be considered as temporary.		

To achieve an adequately durable structure,the following will be taken into account during detailed technical design and structural analysis:

- The intended or foreseeable use of the structure
- The required design criteria
- The expected environmental conditions
- The composition, properties and performance of the materials and products
- The properties of the soil
- The choice of the structural system
- The shape of members and the structural detailing
- The quality of workmanship, and the level of control
- The particular protective measures
- The intended maintenance during the design working life
- Human behaviour factors

Siting

- The programme has been designed with accessibility in mind - each of the installations is located in a manner which allows for access for all.
    - Plinths and bases will be installed below ground level meaning that where an installation is designed to be approachable, flat, level access has been designed into the offering
    - Some elements are designed to be viewed from a distance
    - Where installations are located on uneven ground (i.e. grass) and are designed to be approached (i.e. the photo opportunity on CWT_009), level bases will be provided to allow for access to those unable to climb steps.
- The route makes use of existing areas which surround or form part of the CityLink path - limited clearance of trees, shrubs or ground fauna is required and avoided where possible.
- Few of the installations are visible from outside of the boundary of the project and where they are, the overall visual impact is limited.
- All installations have been designed to be viewed from the existing walking path, keeping footfall on the pedestrian route
- Installations have been distributed along the route to provide continued interest along the user journey from start to finish
- Installations are designed such that in almost all locations the next installation is visible, leading the pedestrian traffic forwards and avoiding bottlenecks

Lighting And Audio

The following table shows a breakdown of each installation, along with if it contains any architectural lighting, video or audio content.

Reference	Name	Location	W3W	Lighting / Video	Audio
CWT_001	Trail Start Installation	53.4827765, -2.2134095	lamps.asserts.action	Yes	No
CWT_002A	Content Wall	53.4839066, -2.2107305	spare.moons.tubes	Yes	No
CWT_002B	Light Antenna Installation	53.483763, -2.2105722	yards.shirts.cups	Yes	Yes
CWT_003	F&B Platform	53.4839675, -2.209912	smiled.bond.lost	No	No
CWT_004	Audio Hive Tunnel	53.4841079, -2.2094118	until.blaze.losses	Yes	Yes
CWT_005	Lighting The Way	53.4844522, -2.208746	loved.exit.files	Yes	No
CWT_006	Bridge 2	53.4850651, -2.2060312	found.select.model	Yes	No
CWT_008	Walk of Fame	53.4850691, -2.2045736	awards.strut.noses	No	No
CWT_007	Designed HVM Bee	53.4851578, -2.203829	calm.smiled.trail	No	No
CWT_010	Climate Light Arch	53.4851281, -2.203432	fantastic.stable.recall	Yes	No
CWT_009	M-Sign	53.485118, -2.2027465	ashes.drops.evenly	Yes	No

All of the content can be managed remotely, and discussions are ongoing with all the key stakeholders, including TfGM, Manchester City Council and Manchester City Football Club about use of content and operational timings.

Scale

Site	Installation	Easting, Northing	Height (mm)	Base (mm)	Footprint (mm)	Construction
A	CWT_001	53.4827765, -2.2134095	4050	2000 x 2000	5800 x 650	Fabricated steel construction of RHS tubing and central CHS column
B	CWT_002A	53.4839066, -2.2107305	4850	n/a	26000 x 250	Vertical rails and channels mounted to the existing sloped brickwork via stand offs
B	CWT_002B	53.483763, -2.2105722	9763	3000 x 3000	1802 x 1802	Lattice steel mast construction
B	CWT_003	53.4839675, -2.209912	n/a	10000 x 4500	n/a	Hardstanding for installation by others
B	CWT_004	53.4841079, -2.2094118	450	n/a	15000 x 7000	Lattice grid of subframe modules
B	CWT_005	53.4844522, -2.208746	1500	n/a	6000 x TBC	Steel mounted construction with Tarmac Ulti-glow treatment to flooring
C	CWT_006	53.4850651, -2.2060312	25000	n/a	16800 x 50	Static lighting installation with wall mounted artwork
C	CWT_008	53.4850691, -2.2045736	0	n/a	9700 x 2000	Interlocking hex grid of galvanised steel inserts
C	CWT_010	53.4851281, -2.203432	8250	2x 3500 x 3500	12000 x 2080	Steel clad frame
C	CWT_007	53.4851578, -2.203829	1670	n/a	4022 x 1618	Designed HVM Bee - to be fitted over existing HVM barrier
C	CWT_009	53.485118, -2.2027465	5750	2x 2000 x 2000	5800 x 1000	Heavy gauge fabricated steel plate

Further information about each artwork can be found in the supporting documents and drawing.

Access

Access to the walking trail is via the existing pedestrian access route “CityLink”, a pre-existing public footpath which links Holt Town to the Etihad Campus.

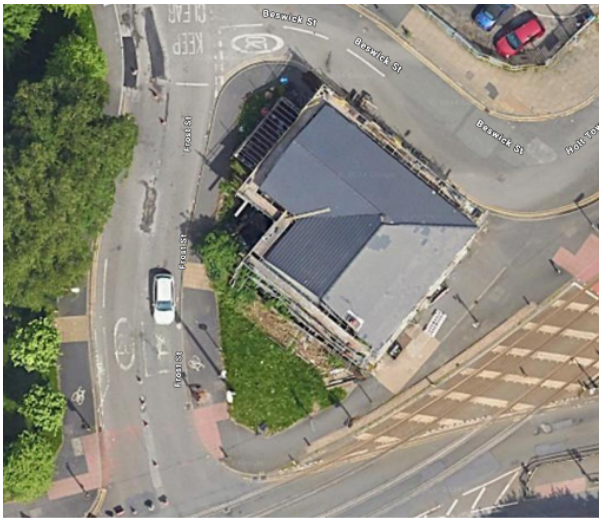
During the proposed construction phase materials and machinery will be transported to the site via suitable vehicles (and carried, by hand, where required) using the existing road and footpath access routes. For further information please refer to the Logistics Plan.

Ecology

The client has instructed relevant ecological and habitat surveys to be carried out. The results of these are appended to this document.

The area proposed has not been classified with any legally restricting designations such as Sites of Special Scientific Interest.

Design Evaluation

CWT_001 - Trail Start Sign	
	

Name:	CWT_001 - Trail Start Sign	
Anchoring:	Below ground reinforced Concrete pad foundation with captive bolt cage to installation	
Fuel/Power:	Below ground electrical mains connection	
Impacts:	Landscape	Small reduction in scrub grassland by increase in footpath width
	Ecology	Minor loss of scrub grassland; no appreciable increase in light level
	Archeology	No perceived impact
	Buildings	Adjacent empty building (former public house) unaffected by installation

CWT_002a - Content Wall	
	

Name:	CWT_002a - Content Wall	
Anchoring:	Secured to existing retaining wall	
Fuel/Power:	Surface containment electrical connection	
Impacts:	Landscape	No perceived negative alteration to landscape
	Ecology	Dynamic (variable) increase in surrounding ambient light level
	Archeology	No perceived impact
	Buildings	No nearby buildings

CWT_002b - Light Antennas	
	

Name:	CWT_002b - Light Antennas	
Anchoring:	Reinforced concrete pad foundations with captive bolt cage	
Fuel/Power:	Below ground mains electrical connection	
Impacts:	Landscape	Sited away from trees for minimal root impact
	Ecology	Slight increase in surrounding ambient light level.
	Archeology	No perceived impact
	Buildings	No nearby buildings

CWT_003 - F&B Area	
	

Name:	CWT_003 - F&B Area	
Anchoring:	N/A	
Fuel/Power:	N/A	
Impacts:	Landscape	Minor reduction in track-side scrub grassland
	Ecology	No trees in the proposed area. Minor reduction in scrub grassland adjacent to tramlines.
	Archeology	No perceived impact
	Buildings	No nearby buildings

CWT_004 - Audio Hive Bridge	
	

Name:	CWT_004 - Audio Hive Bridge	
Anchoring:	Resin-anchor fixings for lattice frame carrying modular lighting art installation	
Fuel/Power:	Surface containment mains electrical connection	
Impacts:	Landscape	No perceived negative impact
	Ecology	Some increase in ambient light level under bridge arch relative to existing light level
	Archeology	No perceived impact
	Buildings	No nearby buildings

CWT_005 - Lighting the Way	
	

Name:	CWT_005 - Lighting The Way	
Anchoring:	U-bolt security attachment to existing riverside barrier, subject to survey and engineering	
Fuel/Power:	N/A	
Impacts:	Landscape	No alteration to landscape
	Ecology	No impact on river below; potential for slight increase in ambient light level
	Archeology	No perceived impact
	Buildings	No nearby buildings

CWT_006 - Bridge 2 Visual Artwork	
	

Name:	CWT_006 - Bridge 2 Visual Design Artwork	
Anchoring:	Lighting infrastructure anchored to pathway away from bridge	
Fuel/Power:	Surface containment mains electrical connection	
Impacts:	Landscape	No perceived negative impact
	Ecology	Some increase and change of colour / colour temperature to ambient light level in under-bridge area. No other perceived impacts.
	Archeology	No perceived impacts
	Buildings	No nearby buildings

CWT_007 - HVM Bee	
	

Name:	CWT_007 - HVM Bee	
Anchoring:	Artwork is captive to existing pre-cast concrete HVM (hostile vehicle mitigation) barrier	
Fuel/Power:	N/A	
Impacts:	Landscape	No perceived negative impact
	Ecology	No perceived impact
	Archeology	No perceived impact
	Buildings	No impact on nearby National Squash Centre

CWT_008 - Walk of Fame	
	

Name:	CWT_008 - Walk of Fame	
Anchoring:	Artwork to be set into existing asphalt footpath	
Fuel/Power:	N/A	
Impacts:	Landscape	No perceived negative impact - set into existing footpath
	Ecology	No perceived impact
	Archeology	No perceived impact
	Buildings	No nearby buildings

CWT_010 - Climate Light Arch	
	

Name:	CWT_010 - Climate Light Arch	
Anchoring:	Reinforced concrete pad foundations with captive bolt cage attachment to structure	
Fuel/Power:	Below ground mains electrical connection	
Impacts:	Landscape	Arch visible from adjacent tramline and footpaths within stadium complex
	Ecology	Minor variable (controllable) increase in local ambient light level during operating hours
	Archeology	No perceived impact
	Buildings	No impact on nearby National Squash Centre

CWT_009 - Illuminated M Sign	
	

Name:	CWT_009 - Illuminated M	
Anchoring:	Reinforced concrete pad foundations with captive bolt cage attachments to structure	
Fuel/Power:	Below ground mains electrical connection	
Impacts:	Landscape	M sign will be visible from nearby tramline and walking paths within stadium complex
	Ecology	Minor controllable increase in local ambient light level
	Archeology	No perceived impact
	Buildings	No impact on nearby National Squash Centre

Conclusion

- The installations will connect the CityLink Walking Route with communities, creating shared moments of wonder and joy as families and friends explore the technicolour path to and from the venue.
- The eleven installed elements will work together to create a cohesive journey along the CityLink Walking Route from Holt Town to the Etihad Campus
- Little to no impact on the existing footpath, rail or station infrastructure, with minimal ecological impact.
- Accessibility has been considered at the design and installation stage.
- Construction programming has considered all elements of the safe delivery of the project with details of the Logistics planning to be found in the attached Logistics Plan document.