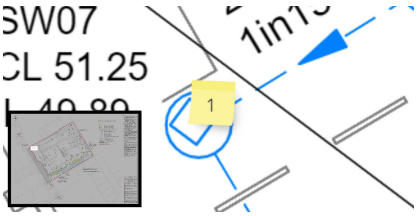
QC-EW-05B-2

QC-EW-05 Drainage Manholes Catch Pits Interceptor

External Drainage

SW07

QED Construction Ltd · Alex Welsh · 21 August 2023 14:40



QC-EW-05 Drainage Manholes, Catch Pit or Interceptor

Form:	QC EW 05	QUALITY CONTROL INSPECTION RECORD	BOWMER + KIRKLAND
Issue:	C	Drainage Manholes, Catch Pit, or Interceptor	

Project:	Ancoats Mobility Hub	Inspected By (name)	
Project No.:	63070	B+K	Aaron Howarth (B+K)
Sub-contractor:	QED Construction Ltd	SC	Alex Welsh

Drawings Ref:	Current Revision	Revision SC Using on Site
45306-KRD-XX-EX-DR-C-5201	C01	C01

Area	External Drainage	Location	SW07	Ref.	

Item	Description	Comments / Specification	Inspected by: SC	Inspected by: B+K	Issues
PRE-START CHECKS					
1	**Details confirmed** • Type of manhole / catchpit / interceptor, size and height confirmed • Bedding / surround and backfill arrangements confirmed • Manufacturer's installation instructions available if required	**Type:** Manhole **Size:** 1200 **Height (no. of rings) of structure:** 500mm **Bedding material and depth:** semi dry concrete **Surround material and thickness:** 150min concrete **Backfill material and depth of layers:** recycled agg, 100mm layers **List or link any relevant installation instructions:**	✓	✓	
2	**Coordination -** Position checked against external works finishes to ensure access cover is in either hard or soft landscaping, not crossing both	Hard	✓	✓	
3	**Setting Out -** Position and level control established for excavation	agreed with BK	✓	✓	
EXCAVATION					
4	**Position Check -** Excavation in correct position, correct size, and correct level	Position Good	✓	✓	
5	**Formation** • Firm and suitable to accept bedding material. • Ground water suitably controlled to ensure formation firm and dry	Formation good *Photograph required*	✓	✓	
CHAMBER CONSTRUCTION					
6	**Bedding to chamber** • Confirm bedding material used is as per specification / drawings and is approved. • Confirm bedding material installed to correct depth and correct area for chamber.	**Confirm Bedding material / mix / grading:** Gen 1 SD **Confirm date placed:** 21/08/23 *Photograph required*	✓	✓	
7	**Chamber Installation** • Confirm correct type, size of chamber • Seals inserted and clean, if required • Concrete base clean and suitable to receive units • Already installed Outlet pipe clean and lubricated ready for install • Position of chamber correct as installed, pipe connection sound • Installed levels correct - built to required finish levels allowing for cover slab, build up and access cover • Invert levels checked and correct • Access positioned to suit benching and finished surfaces – opening not to cross between hard and soft landscaping. • Jointing / sealing between sections suitable and neat finish to inside of chamber. • Chamber / sections undamaged	**Type:** Conc Manhole **Size:** 1200 **Height (no. of rings) of structure:** 500mm Ring, Recorded *Photographs required*	✓	✓	

8	**Step Irons or Ladders** • Fixed securely at correct stagger and spacings, including gap to top and bottom Location fixed so access hole / cover does not cross between hard and soft landscaping	Plastic steps in manhole ring *Photographs required*	✓	✓	
9	**Pipework Connections** • Bedding of pipework checked, so no voids between PCC units and pipework • Rocker pipe detail installed if required • Level and angle of branches acceptable with main channel – at or slightly above I.L	All rockers installed correctly, branches soffit to soffit *Photographs required*	✓	✓	
10	**Benching** • Correct materials used for benching • Profile and channel falls correct • Topping material applied before benching material set Dense, smooth, and uniform finish	**Benching material:** High strength concrete topping used up to dense, and applied smooth face neatly shaped finish 20mm to all branches **Topping Material:** High strength concrete topping used up to dense, and applied smooth face neatly shaped finish 20mm to all branches *Photograph required*		✓	
11	**Cleanliness** Chamber base and sides clean and no debris inside.	Clean *Photograph required*	✓	✓	
12	**Cover slab** • Correct size fitted • Cover slab undamaged • Access point is positioned in line with step irons/ ladder position • Cover slab level and position checked and recorded • Suitable temporary protection over access hole whilst manhole backfilled	Biscuit installed *Photograph required*	✓	✓	
13	**Water test** – if required, confirm water test completed and passed	**Name of B+K person witnessing test:** NA *Photograph required*	N/A	N/A	
SURROUND AND BACKFILL					
14	**Surround** – correct material used and placed/compacted to correct thickness	**Surround material:** Gen3 Concrete. **Confirm date material placed:** 21/08/23 *Photograph required*	✓	✓	
15	**Backfill** • Suitable material used • Placed in layers of correct depth • Suitably compacted	**Backfill Material:** As Dug **Layer depth:** 150mm **Compaction used:** Ramax *Photographs required as backfill progresses*	✓	✓	
16	**Protection** - Suitable temporary protection over access hole until external works complete **NOTE:** *consider if cover needs to take construction traffic, and ensure it is fixed in place*	Steel plate drilled and fixed to cover slab. *Photograph required of temporary cover*	✓	✓	
17	**Survey completed –** survey location of access hole for locating in future	yes	✓	✓	
Additional Documents attached					

Inspection Sign Off **All Items 1 to 17 complete**	**Date:**	**Signature (SC)**	on behalf of QED

Non-conformance issued (MPF 5.30) Raise in RDrive and link here.	Raised	Closed

Final quality check & sign-off not to be completed until NCRs have been closed

Accepted by B+K:	**B+K Manager Name**	**Signature**	**Date**
	Aaron Howarth (B+K)		September 12, 2023




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600 X 600






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