

Manholes & Chambers QA - L025

Form Reference	F311687.3
Owned By	Harry Noon (Adana Construction)
Date	15/05/2023 12:52:38
Status	In Progress
Project Name	L025 - Citylabs 4.0
Location	FMH4>Drainage & Manholes>Substructure>Site QA

Form Location	FMH4
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Test & Inspection Plan

#	Check Item	Subcontractor Yes / No	Document attached to this form?
1	ITAP agreed and in place	Yes	Yes

Images

#1



[15/05/2023 12:55:40](#)

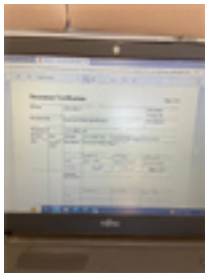


[15/05/2023 13:02:20](#)



[15/05/2023 13:02:49](#)

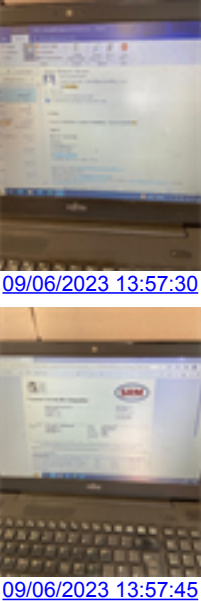
Prepare & Plan

#	Check Item	No. & Revision	Doc / DWG / Spec (Photo)	Comments	Subcontractor Check	GMI Check
1	Confirm current Specification	PO1CIV-SPEC-001	 08/06/2023 14:31:41  08/06/2023 14:31:41			
2	Confirm current Drawing	L025-ARU-90-01.00-D-C-001003				

Installation Checks 1

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check and record the excavation size and depth and adequacy of shoring - ATTACH EVIDENCE (Marked up drawing)	Yes	Photo	 08/06/2023 13:35:41  12/06/2023 12:39:37  12/06/2023 12:39:38  12/06/2023 12:39:38		Yes	

Installation Checks 2

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check the base construction is to the correct size and depth and the grade of concrete is as specified - ATTACH EVIDENCE (Delivery Notes)	Yes	Photo				

Installation Checks 3

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that the channels are fully bedded and benched	Yes	Photo				

Installation Checks 4

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that the main channel has a fall and check the alignment of all channels and all branches are installed	Yes	Photo	 09/06/2023 13:07:25  09/06/2023 13:07:25  09/06/2023 13:07:26  09/06/2023 13:07:26  09/06/2023 13:07:26			

Installation Checks 5							
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check the step irons are in line and access is achievable	Yes	Photo				

Installation Checks 6							
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	For concrete ring shafts, check the size of the shaft, the thickness and concrete grade of the surround and that the specified joint strip or sealant between all ring joints	Yes	N/A				

Installation Checks 7							
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that the cover slab/biscuit is fully bedded on to the shaft and that the access hole is aligned to suit step irons	Yes	Photo				

Installation Checks 8

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that there is at least 2 courses of brickwork from the cover slab at the manhole cover and frame						

HOLD POINT - Sign off required before proceeding

#	Check Item	Subcontractor Signature	GMI Signature
1	Have all of the above been completed and signed off before proceeding?	 H.Noon (Adana Construction) 08/06/2023 14:53:11	

Testing Checks 1

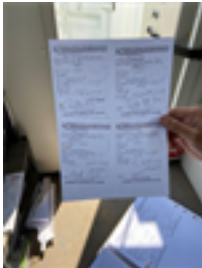
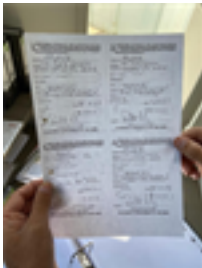
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Carry out water seepage test to the manhole/chamber as per the specification - ATTACH EVIDENCE (Test Results)						

Testing Checks 2

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Obtain sign off for the manhole chamber from the Structural Engineer/Building Control - ATTACH EVIDENCE (Correspondence)						

Testing Checks 3

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Ensure that none of the bungs used for testing have been left in place. This is a recurring issue and has to be checked for all manholes	Yes	N/A	 09/06/2023 14:08:47			

Testing Checks 4							
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check the backfill operation is carried out in accordance with the specification	Yes	N/A	 09/06/2023 13:08:38  09/06/2023 13:08:38  09/06/2023 13:08:38  09/06/2023 13:08:38			

Testing Checks 5							
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check the cover is as specified i.e. suitable for the correct loading and is orientated correctly and to the correct level - ATTACH EVIDENCE (Delivery Notes & Marked up Drawing)						

HOLD POINT - Sign off required			
#	Check Item	Subcontractor Signature	GMI Signature
1	Have all of the above been completed and signed off before proceeding?		

Closure						
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)	Evidence Attached (Photo)	Comments	GMI Yes / No / N/A
1	Works adequately protected	Yes	Photo	 12/06/2023 12:46:24	manholes have temporarily been covered	
2	Work area cleaned	Yes	Photo	 12/06/2023 12:47:07		

Summary Comments	
Contractor Sign Off	
Date & Time	15/05/2023 13:52:00
GMI Final Sign Off	
Date & Time.	15/05/2023 13:52:00

Form Status Audit Trail				
Status	Date	Signed By	Signature	Comments
Not Started	15/05/2023 12:52:38	Harry Noon (Adana Construction)	_____	
In Progress	15/05/2023 14:02:03	Harry Noon (Adana Construction)	_____	