

Below Ground Drainage QA (L017)

Form Reference	F1.4045107
Owned By	Louie Barlow (Heyrod Construction Ltd)
Date	12/11/2024 10:38:24
Status	Closed
Project Name	L017 - Premier Inn Manchester
Location	Zone 1>Foul Water>Below Ground Drainage>Substructure>Site QA

Form Location	Zone 1
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Images



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28/11/2024 09:14:00

Test & Inspection Plan			
#	Check Item	Subcontractor Yes / No	Document attached to this form?
1	ITAP agreed and in place	Yes	Yes
#	Document Name	Created By	Date
1	OF-17-02-026-Below Ground Drainage ITAP.docx	Word	Paul Buckley (GMI Construction)
			19/11/2024 08:38:17

#	Check Item	No. & Revision
1	Confirm current Specification	L017-CIV-15-EX.00-T-C-000007
2	Confirm current Drawing	L017-CIV-15-EX.00-D-C-100000

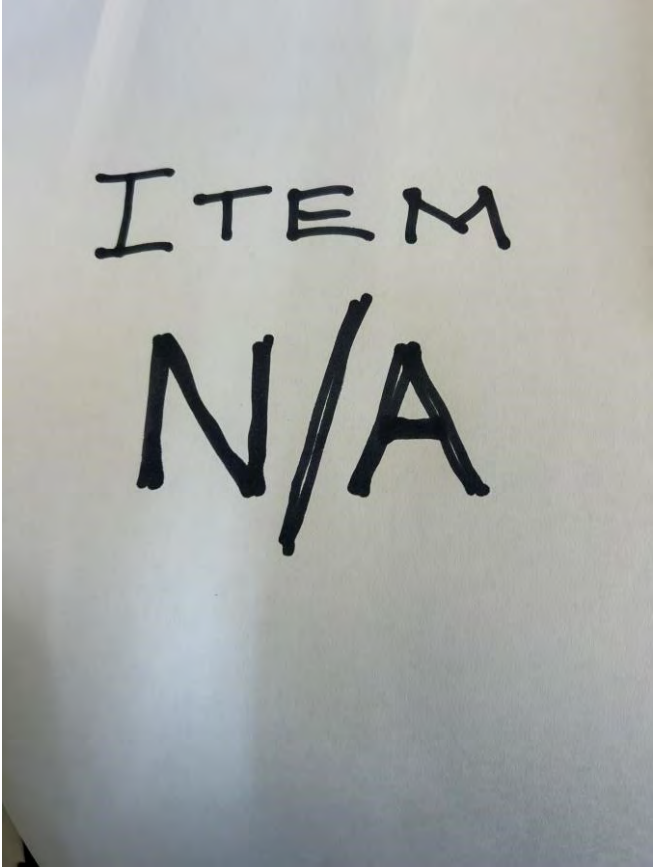
#	Check Item	Comments	Subcontractor Check	GMI Check
1	Confirm current Specification	Current specification	Mark Brady	Paul Buckley
2	Confirm current Drawing	Current drawing	Mark Brady	Paul Buckley

#	Document Name	Created By	Date
1	L017-CIV-15-EX.00-T-C-000007-Below Ground Drainage Specification.pdf	Pdf	Paul Buckley (GMI Construction)
			19/11/2024 08:42:17

2	L017-CIV-15-EX.00-D-C-100000.pdf	Pdf	Louie Barlow (Heyrod Construction Ltd)	18/11/2024 14:27:26
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Pre Commencement Checks 1

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check Building Control, Adopting Authority and the Environmental Regulator have no adverse comments on the Structural Engineers drawings and specification - ATTACH EVIDENCE (Correspondence)	Yes	N/A

#	Check Item	Evidence Attached (Photo)
1	Check Building Control, Adopting Authority and the Environmental Regulator have no adverse comments on the Structural Engineers drawings and specification - ATTACH EVIDENCE (Correspondence)	 ITEM N/A 25/11/2024 07:39:53

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check Building Control, Adopting Authority and the Environmental Regulator have no adverse comments on the Structural Engineers drawings and specification - ATTACH EVIDENCE (Correspondence)	Nothing to report	Yes	Yes

Pre Commencement Checks 2

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Camera survey of existing drainage carried out - ATTACH EVIDENCE (Survey / Video Records)	Yes	Survey

#	Check Item	Evidence Attached (Photo)
1	Camera survey of existing drainage carried out - ATTACH EVIDENCE (Survey / Video Records)	 16/04/2025 14:54:31

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Camera survey of existing drainage carried out - ATTACH EVIDENCE (Survey / Video Records)	Request made to Heyrod prior to slab formation to undertake CCTV to avoid defects at superstructure stage. CCTV Footage attached in documents.	Yes	No

Pre Commencement Checks 3

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check that a Temporary Works design has been carried out to deeper excavations and that the required shoring equipment is available - ATTACH EVIDENCE (Temporary Works Register)	Yes	Photo

#	Check Item	Evidence Attached (Photo)
1	Check that a Temporary Works design has been carried out to deeper excavations and that the required shoring equipment is available - ATTACH EVIDENCE (Temporary Works Register)	 Manhole CWMH01 26/11/2024 08:10:27

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that a Temporary Works design has been carried out to deeper excavations and that the required shoring equipment is available - ATTACH EVIDENCE (Temporary Works Register)	Manhole box installed round excavation to ensure safety while installing manhole	Yes	Yes

Pre Commencement Checks 4

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check that arrangements are in place for dealing with groundwater - ATTACH EVIDENCE (Correspondence / discharge license)	Yes	Photo

#	Check Item	Evidence Attached (Photo)
1	Check that arrangements are in place for dealing with groundwater - ATTACH EVIDENCE (Correspondence / discharge license)	
28/11/2024 08:54:45		

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that arrangements are in place for dealing with groundwater - ATTACH EVIDENCE (Correspondence / discharge license)	no ground water present. Water pump on site in case of any groundwater	Yes	Yes

Pre Commencement Checks 6

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Ensure permit to break ground is in place	Yes	N/A

#	Check Item	Evidence Attached (Photo)
1	Ensure permit to break ground is in place	 28/11/2024 08:55:15

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Ensure permit to break ground is in place		Yes	Yes

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?	M.Brady (Heyrod Construction Ltd) 17/04/2025 15:07:40	P.Buckley (GMI Construction) 23/12/2024 09:12:39

Testing Checks 1

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check that the air test carried out to the drainage run is accepted by Building Control - ATTACH EVIDENCE (Records)	Yes	Photo

#	Check Item	Evidence Attached (Photo)
1	Check that the air test carried out to the drainage run is accepted by Building Control - ATTACH EVIDENCE (Records)	 Friday, 8 November 2024 · 08:55 Edit 20241108_085524.jpg /Internal storage/DCIM/Camera Samsung SM-S908B 3.70 MB · 4000x3000 · 12MP ISO 50 · 23mm · 0.0ev · F1.8 · 1/180 s · Flash used  25 Rochdale Rd, Manchester M4 4HT, UK # Add tag 25/11/2024 07:45:05

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that the air test carried out to the drainage run is accepted by Building Control - ATTACH EVIDENCE (Records)	Air test carried out	Yes	Yes

Testing Checks 2

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Water test to pipe runs and manholes - ATTACH EVIDENCE (Records)	Yes	Photo

#	Check Item	Evidence Attached (Photo)
1	Water test to pipe runs and manholes - ATTACH EVIDENCE (Records)	

[17/04/2025 15:08:01](#)

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Water test to pipe runs and manholes - ATTACH EVIDENCE (Records)	Water tests complete throughout installation of drainage	Yes	Yes

Testing Checks 3

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check pipe gradient/falls are line and level. Agree frequency of checks with S/C - ATTACH EVIDENCE (Records)	Yes	Survey

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check pipe gradient/falls are line and level. Agree frequency of checks with S/C - ATTACH EVIDENCE (Records)	Correct fall on the drainage run and manholes installed at correct level	Yes	Yes

Testing Checks 4

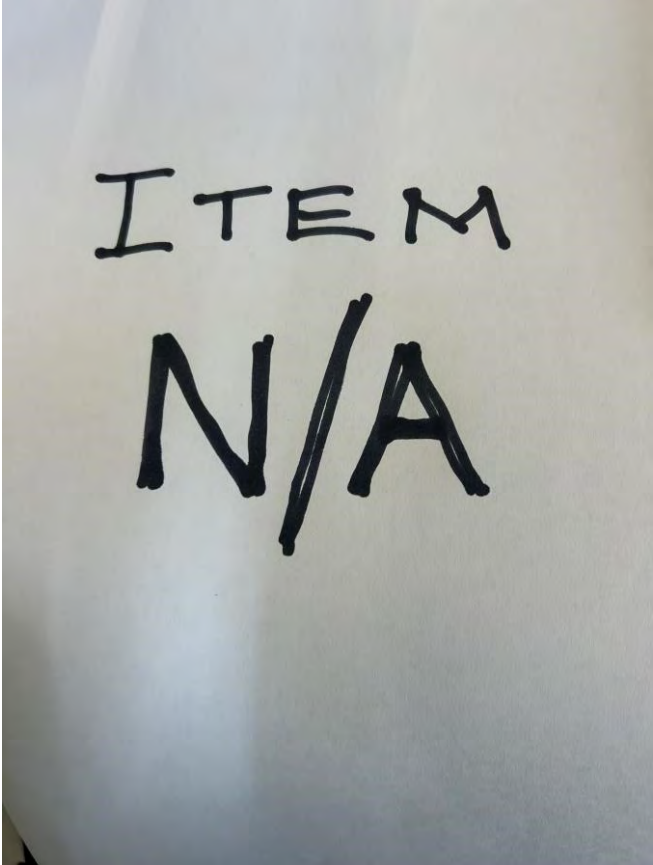
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check all pipework and manholes are correct material & size and are secured to prevent unwanted debris	Yes	Photo

#	Check Item	Evidence Attached (Photo)
1	Check all pipework and manholes are correct material & size and are secured to prevent unwanted debris	 Manhole CWMH01 26/11/2024 08:10:17

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check all pipework and manholes are correct material & size and are secured to prevent unwanted debris	Correct size pipe installed and correct manhole rings.	Yes	Yes

Testing Checks 5

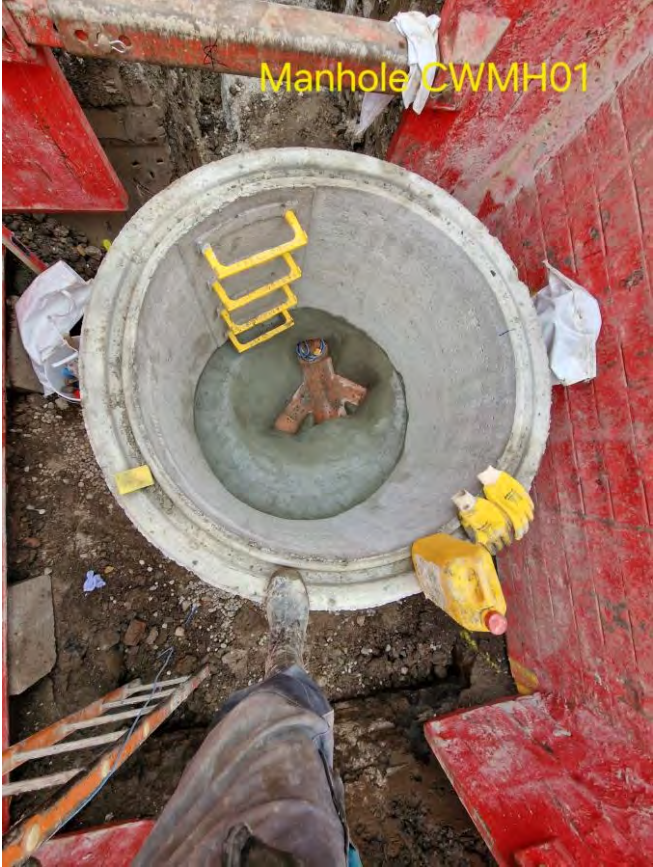
#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check that the Structural Engineer/Building Control have no remaining issues and that the CCTV survey carried out to the installation is made available to both	Yes	N/A

#	Check Item	Evidence Attached (Photo)
1	Check that the Structural Engineer/Building Control have no remaining issues and that the CCTV survey carried out to the installation is made available to both	 ITEM N/A 09/12/2024 08:08:52

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check that the Structural Engineer/Building Control have no remaining issues and that the CCTV survey carried out to the installation is made available to both	Nothing to report	Yes	Yes

Testing Checks 6

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
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 runs	Yes	Photo

#	Check Item	Evidence Attached (Photo)
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 runs	 The photograph shows a top-down view into a circular concrete manhole. A yellow metal ladder is positioned inside the manhole. A metal bung is visible at the bottom of the manhole. The manhole is surrounded by red safety barriers. A timestamp '26/11/2024 10:39:42' is visible at the bottom of the photo.

#	Check Item	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 runs	All stoppers removed from pipes between the two manholes	N/A	Yes

Testing Checks 7

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Check pipe bed material, initial backfill material & main backfill material & that the materials have been placed in layers & compacted as per the spec - ATTACH EVIDENCE(Delivery note/Trench filling)	Yes	Photo

#	Check Item	Evidence Attached (Photo)
1	Check pipe bed material, initial backfill material & main backfill material & that the materials have been placed in layers & compacted as per the spec - ATTACH EVIDENCE(Delivery note/Trench filling)	 25/11/2024 07:52:51  28/11/2024 09:11:19

#	Check Item	Comments	GMI Yes / No / N/A	All required evidence attached
1	Check pipe bed material, initial backfill material & main backfill material & that the materials have been placed in layers & compacted as per the spec - ATTACH EVIDENCE(Delivery note/Trench filling)		Yes	Yes

HOLD POINT - Sign off required			
#	Check Item	Subcontractor Signature	GMI Signature
1	Have all of the above been completed and signed off before proceeding?	M.Brady (Heyrod Construction Ltd) 17/04/2025 15:09:37	E.Dillon (GMI Construction) 22/04/2025 15:07:32
Closure			

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
1	Works adequately protected	Yes	Photo

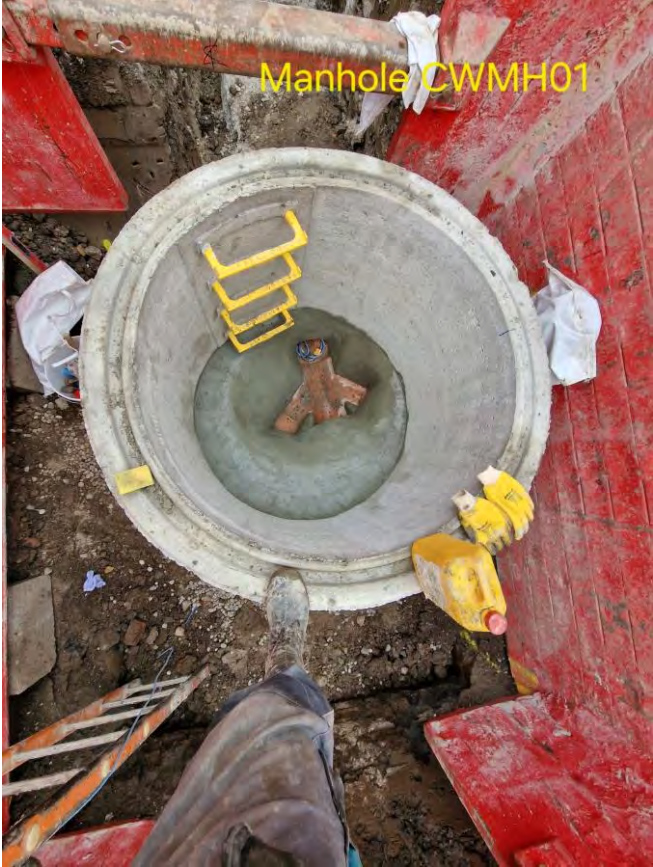
#	Check Item	Evidence Attached (Photo)
1	Works adequately protected	 26/11/2024 10:41:10  17/04/2025 15:10:05

Table photo limit reached.
1 remaining.

#	Check Item	Comments	GMI Yes / No / N/A
1	Works adequately protected	Pipework covered and lids on manholes	Yes

#	Check Item	Subcontractor Yes / No / N/A	Type of Evidence (Surveys / Certs / Testing)
2	Work area cleaned	Yes	Photo

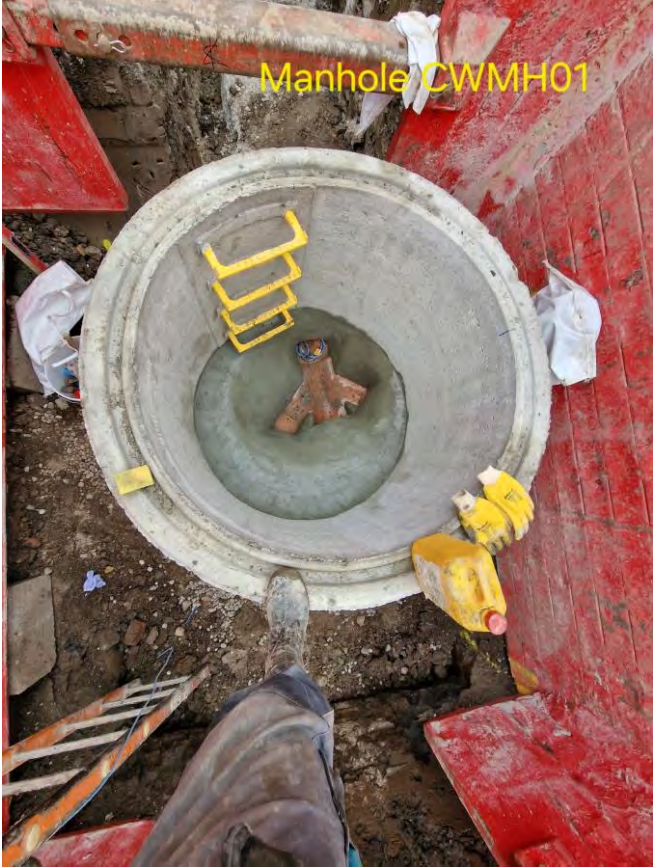
#	Check Item	Evidence Attached (Photo)
2	Work area cleaned	 Manhole CWMH01 26/11/2024 10:41:02  FWMH 05 17/04/2025 15:10:16

Table photo limit reached.
1 remaining.

#	Check Item	Comments	GMI Yes / No / N/A
2	Work area cleaned	Area cleaned and backfilled	Yes

Summary Comments	
Contractor Sign Off	

Elizabeth Dillon (GMI Construction)
23/04/2025 10:17:35

Date & Time	23/04/2025 10:38:00
GMI Final Sign Off	

Mark Brady (Heyrod Construction
Ltd)
23/04/2025 10:17:26

Date & Time.	23/04/2025 10:38:00
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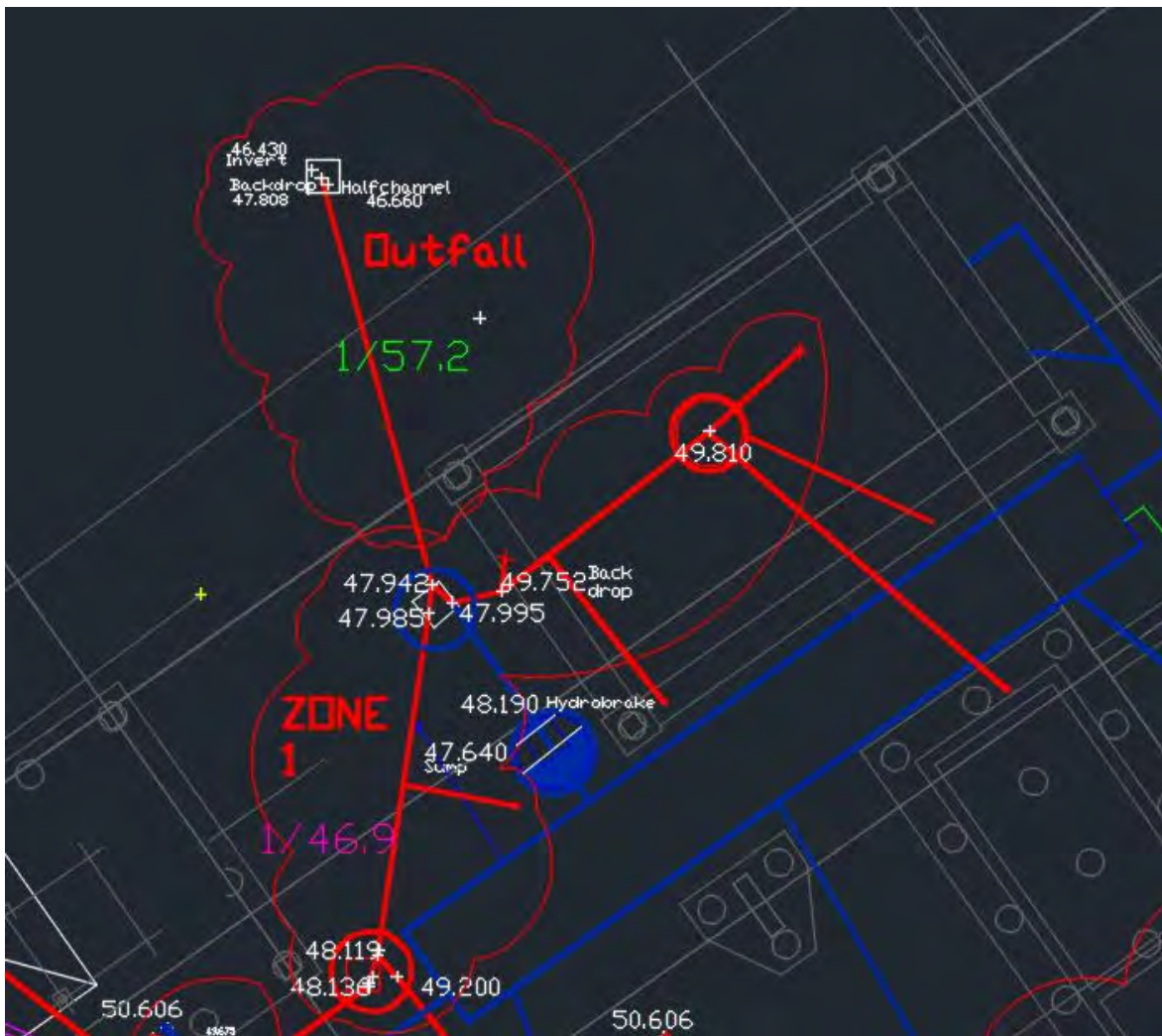
Images



[16/04/2025 16:57:07](#)



[17/04/2025 10:36:15](#)



23/04/2025 15:08:42



Rwp 03 and Svp12

[23/04/2025 15:10:38](#)



[23/04/2025 15:10:39](#)



[23/04/2025 15:10:39](#)



[23/04/2025 15:10:41](#)



[23/04/2025 15:10:43](#)



[23/04/2025 15:10:44](#)



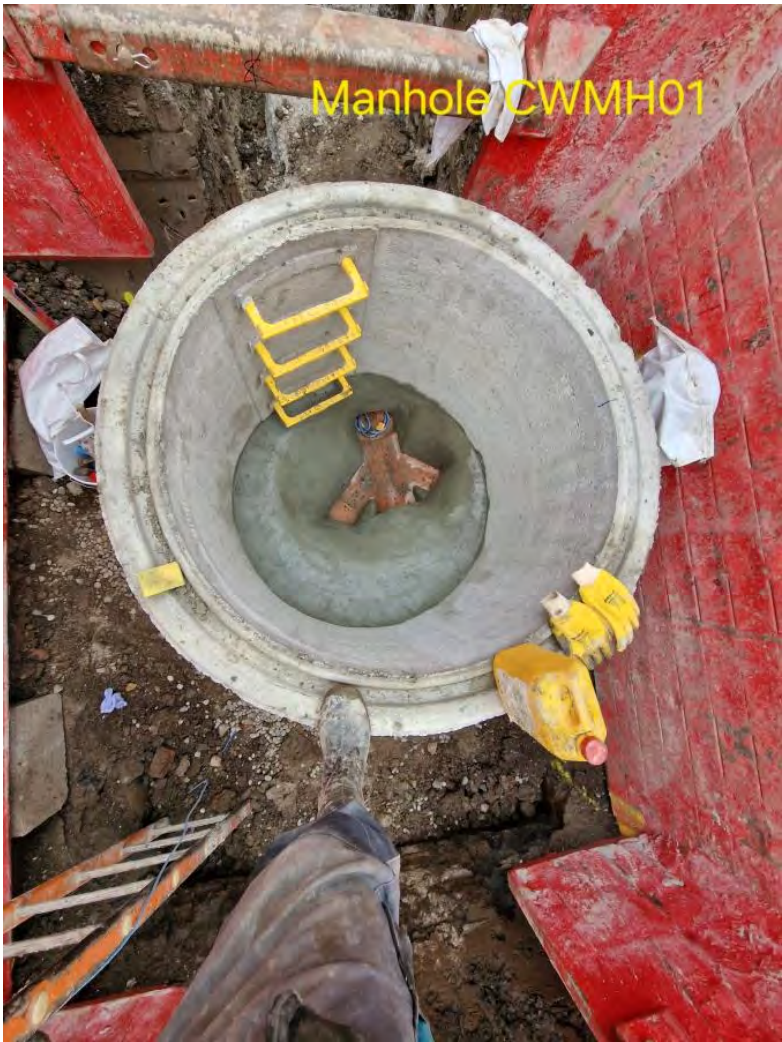
[23/04/2025 15:10:52](#)



[23/04/2025 15:11:00](#)



[23/04/2025 15:11:01](#)



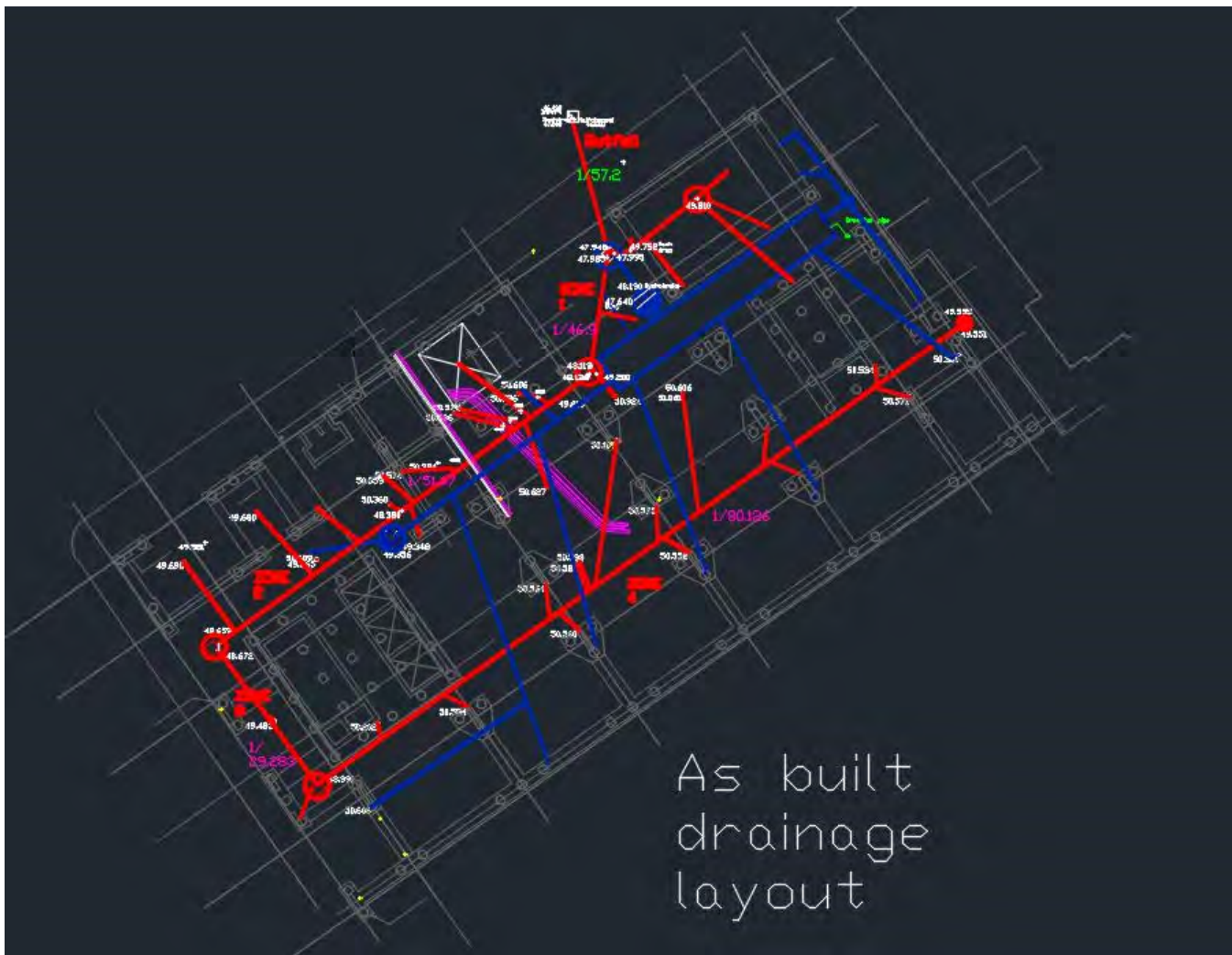
[23/04/2025 15:11:02](#)



[23/04/2025 15:11:03](#)



[23/04/2025 15:11:03](#)



23/04/2025 15:15:29

Comments		Created By	Date
STATUS CHANGE: CLOSED		Elizabeth Dillon (GMI Construction)	23/04/2025 10:38:13
Document Name	Type	Created By	Date
CWMH01 - FWMH05.avi	Unknown	Louie Barlow (Heyrod Construction Ltd)	16/04/2025 14:41:24
CWMH01 - EXMH1.avi	Unknown	Louie Barlow (Heyrod Construction Ltd)	16/04/2025 14:43:34
SVP 14 - FWMH05.avi	Unknown	Louie Barlow (Heyrod Construction Ltd)	16/04/2025 14:50:52
SVP 29 - FWMH05.avi	Unknown	Louie Barlow (Heyrod Construction Ltd)	16/04/2025 14:51:01
SVP 13 - CARRIER.avi	Unknown	Louie Barlow (Heyrod Construction Ltd)	16/04/2025 14:53:38
SVP 12 - CARRIER.avi	Unknown	Louie Barlow (Heyrod Construction Ltd)	16/04/2025 14:56:37
GMI Drainage layout Co4 AS BUILT.dwg	Unknown	Paul Buckley (GMI Construction)	23/04/2025 15:14:20