

QD Checklist-P1-External Works-Geocellular Attenuation Tanks

Attenuation Tank Installation.

Form Reference	F125604.31
Owned By	Jack Hall (Willmott Dixon Construction)
Date	30/03/2020 10:56:23
Status	Completed & Signed Off
Project Name	K00221 - The Manchester College, City Centre
Location	Ground Drainage>QUALITY DELIVERY



Form Location	Ground Drainage
Supply Chain	Mayo Civils
Area of Works/Location	Attenuation Tank Installation.

Images



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[16/04/2020 07:07:20](#)



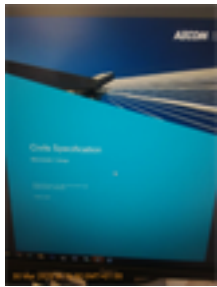
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General				
#	Work Section	Element	Date Planned	Date Accepted
1	External works	Below Ground Drainage	30/03/2020	30/03/2020
2	N/A		30/03/2020	30/03/2020

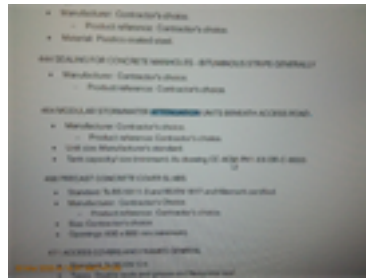
Prepare and Plan				
#	Check Item	No & Revision	S/C Initial	WD Initial
1	Confirm Specification	CC-AMC-XX-XX-SP-C-005 Civils Specification	SB	JH
2	Confirm Drawing	PCST - 3.0 Job Ref RP/16561 Attenuation Storage Tank Details	SB	JH

Images

#1

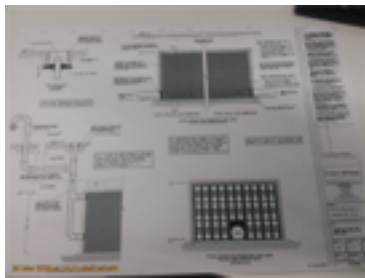


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#2



[30/03/2020 15:11:08](#)



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Apply & Control

Temporary works requirements assessed, designed and approved	Yes	
Comments	Created By	Date
Temporary works in form of excavation and batter created by LK Remediation.	Jack Hall (Willmott Dixon Construction)	30/03/2020 15:12:19
All materials in line with drawings / manufacturers requirements.	Yes	

Images



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Excavation to correct line and level and in correct location	Yes	
Comments	Created By	Date
Site engineer surveyed and inspected.	Jack Hall (Willmott Dixon Construction)	31/03/2020 16:12:38
Ground bearing test results at formation / pre start site investigation acceptable	Yes	
Excavation smooth, level, free of stones and soft spots	Yes	
Granular sub base layers placed and compacted to required levels	Yes	

Images



[30/03/2020 15:12:48](#)



[30/03/2020 15:12:58](#)



[30/03/2020 15:13:05](#)



[30/03/2020 15:13:11](#)

Protective geotextile installed with required lap	Yes
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Images



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Geomembrane installed to base in line with drawings; welded seams air tested	Yes
Correct cells installed to correct locations	Yes

Images



[31/03/2020 13:45:31](#)

Check correct connectors used between cells as per specification	Yes
Downstream manhole to be fitted with vent pipe as per manufacturers specifications	Yes
Geomembrane completed around cells, all welded seams air tested	Yes
Specified backfill material placed around structure in suitable layers and adequately compacted	Yes
Benches (steps) cut into existing battered slopes if required	Yes
First 100mm thick layer placed and lightly compact over structure with correct material	Yes
Backfilling completed to agreed level with specified material, in max 150mm layers with suitable compaction	Yes

Consider protection around completed tank if there is a risk of heavy plant damaging the structure during construction of main building works	Yes
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Bespoke Items/Additional Checks

#	Checks carried out
1	Daily photos of progress including quality review.
2	Membrane overlaid with pipework installed.
3	Breather membrane installed, 150mm lap welded membrane.
4	Inspection of drainage collar as necessary.
5	Drainage opening to attenuation for connection.
6	New drainage connection into attenuation.
7	Attenuation fleece installed followed by membrane welding on top.
8	P Gravel Instillation followed by 6f5 install with compaction
9	Manhole S3 installation nearby attenuation.

Images

#1



[31/03/2020 11:00:41](#)



[31/03/2020 11:00:52](#)



[31/03/2020 11:01:07](#)



[31/03/2020 11:01:21](#)

#2

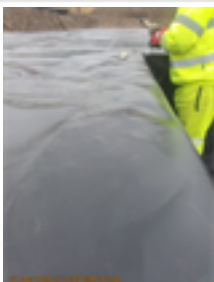


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#3



[31/03/2020 13:45:13](#)



[31/03/2020 13:52:34](#)



[31/03/2020 13:52:40](#)

#4



[31/03/2020 13:48:27](#)



[31/03/2020 13:48:35](#)



[31/03/2020 13:49:19](#)



[31/03/2020 13:53:09](#)



[31/03/2020 13:53:20](#)



[31/03/2020 13:53:26](#)

#5



[31/03/2020 13:53:55](#)



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#6

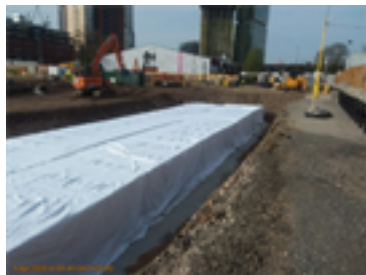


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#7



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[09/04/2020 08:49:03](#)

#8



[15/04/2020 08:15:09](#)



[15/04/2020 08:15:23](#)



[15/04/2020 08:16:38](#)

#9



[15/04/2020 08:16:04](#)



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Complete for Quality				
#	Check Item	S/C Initial	WD Initial	Type of Evidence
1	Works adequately protected	sb		
2	Work area cleaned	sb		

Closure				
All Evidence available & actions closed S/C				

Wes Hanson

Wes Hanson (Mayo Civils)
21/10/2020 14:02:48

All Evidence available & actions closed				
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Abi Belfield

Abi Belfield (Willmott Dixon
Construction)
11/11/2021 08:11:30

Date Closed	11/11/2021			
Approval to pay				