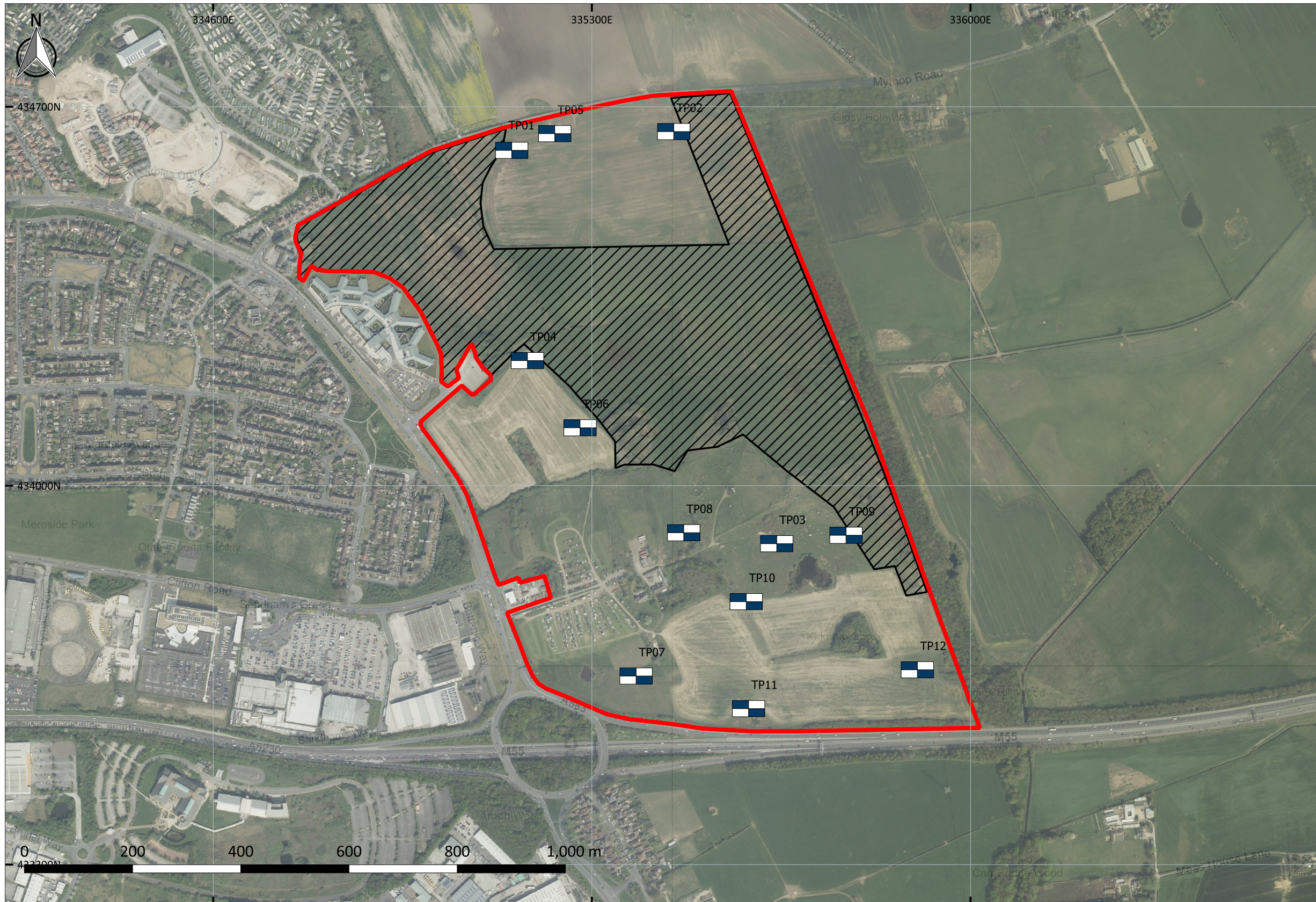


Appendix C - Infiltration Assessment

Reference	Title
18299-HYD-XX-XX-DR-GE-0004	Ground Investigation Plan
TP01-TP12 SOAK	Soakaway Testing Results
LOGs.1	Trial Pit Logs



ID	Type	X (Easting)	Y (Northing)	Soakaway
TP02	TP	335451.32	434654.14	y
TP05	TP	335231.39	434650.35	y
TP04	TP	335180.87	434230.99	y
TP03	TP	335641.72	433892.67	y
TP06	TP	335278.11	434106.85	y
TP07	TP	335381.71	433648.24	y
TP10	TP	335585.34	433785.59	y
TP08	TP	335469.79	433913.01	y
TP09	TP	335769.82	433908.25	y
TP12	TP	335901.74	433659.78	y
TP11	TP	335589.66	433587.97	y
TP01	TP	335151.77	434619.47	y

KEY PLAN

- Locations [12]
- Constraints
- Trial Pit [12]

NOTES

1. Contains OS data © Crown copyright and database right (2021)

REVISIONS

REV.	DRAWN BY INITIALS	CHECKED BY INITIALS	DATE	REVISION NOTES/COMMENTS
P01	DS	AC	22/03/21	First issue



TITLE

GROUND INVESTIGATION PLAN

HYDROCK PROJECT NO.
C-18299

SCALE @ A3
1:7,500

CLIENT
Cassidy and Ashton

PURPOSE OF ISSUE
SUITABLE FOR INFORMATION

STATUS
S2

PROJECT
Whyndyke Farm

DRAWING NO.
18299-HYD-XX-XX-DR-GE-0004

REVISION
P01

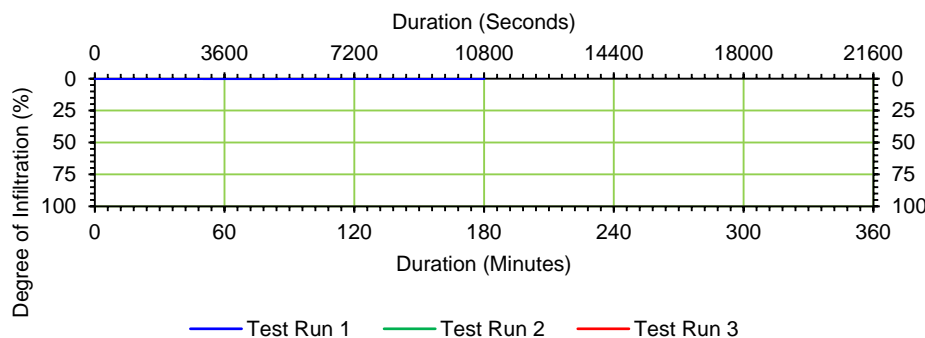


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP01 Date of start: 19/03/2021 Date at end: 19/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		3.700m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.600m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		9.23		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		9.25		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.600m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.000m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		2.220m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		2.220m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	9.250	1.600	0								
1	9.255	1.600	30								
1	9.260	1.600	60								
1	9.270	1.600	120								
1	9.280	1.600	180								
1	9.290	1.600	240								
1	9.300	1.600	300								
1	9.350	1.600	600								
1	9.400	1.600	900								
1	9.450	1.590	1200								
1	9.500	1.580	1500								
1	9.550	1.570	1800								
1	10.500	1.560	5100								
1	10.150	1.550	3000								
1	10.250	1.550	3600								
1	10.550	1.550	5400								
1	11.250	1.200	7200								
1	12.250	1.100	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.850m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		2.100m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.350m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		1.110m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		6.520m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	19/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

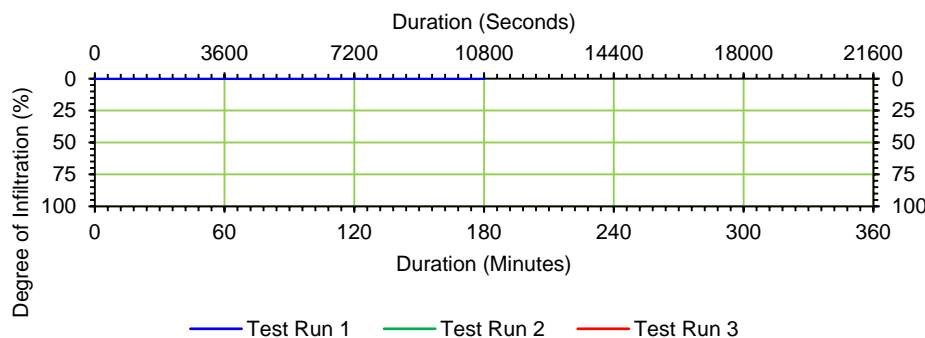


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP02 Date of start: 19/03/2021 Date at end: 19/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		3.000m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.600m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		10.00		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		10.03		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.580m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.020m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.836m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.836m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	10.030	1.580	0								
1	10.035	1.580	30								
1	10.040	1.580	60								
1	10.050	1.580	120								
1	10.060	1.580	180								
1	10.070	1.580	240								
1	10.080	1.580	300								
1	10.130	1.570	600								
1	10.180	1.450	900								
1	10.230	1.430	1200								
1	10.280	1.400	1500								
1	10.330	1.050	1800								
1	10.430	1.040	2400								
1	10.530	1.030	3000								
1	11.030	1.020	3600								
1	11.330	0.920	5400								
1	12.030	0.860	7200								
1	13.030	0.860	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.835m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		2.090m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.345m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.918m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		5.472m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	19/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

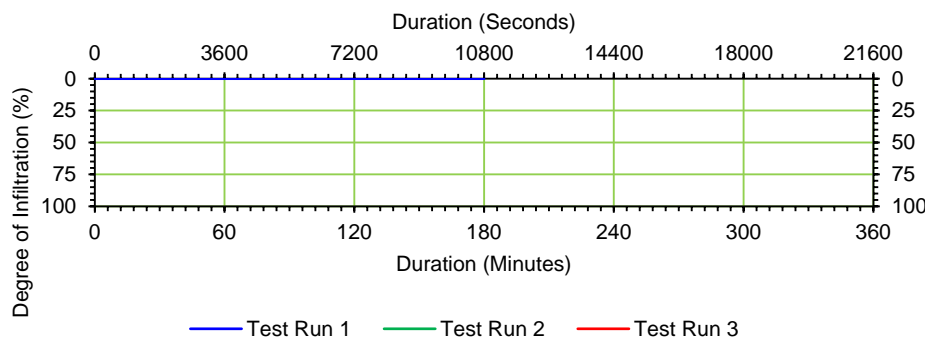


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP03 Date of start: 18/03/2021 Date at end: 18/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		3.200m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		3.000m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		9.17		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		9.19		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		2.000m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.000m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.920m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.920m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	9.190	2.000	0								
1	9.195	2.000	30								
1	9.200	2.000	60								
1	9.210	1.990	120								
1	9.220	1.990	180								
1	9.230	1.980	240								
1	9.240	1.980	300								
1	9.290	1.960	600								
1	9.340	1.950	900								
1	9.390	1.940	1200								
1	9.440	1.920	1500								
1	9.490	1.580	1800								
1	9.590	1.500	2400								
1	10.090	1.490	3000								
1	10.190	1.280	3600								
1	10.490	1.170	5400								
1	11.190	0.950	7200								
1	12.190	0.920	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		2.250m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		2.500m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.750m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.960m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		5.720m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



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Tested By	PRINT	Daniel Sanchez
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	DATE	18/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021



1 DAY INFILTRATION ASSESSMENT - WORKSHEET

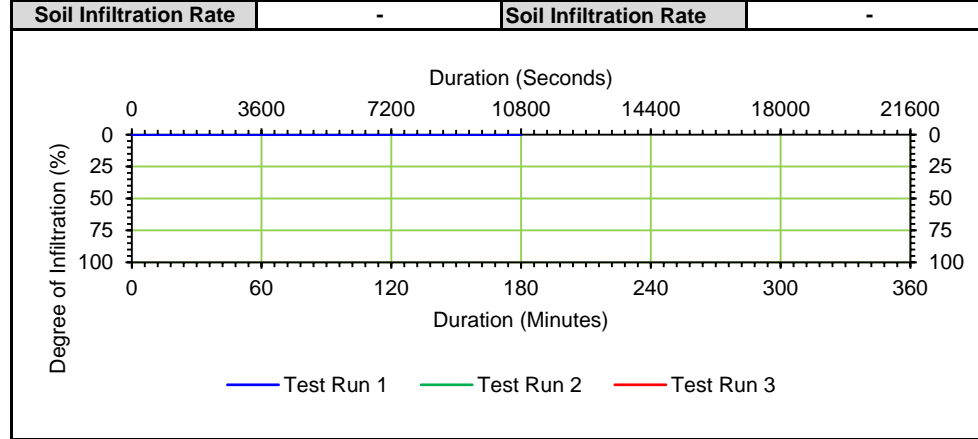
Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location TP04 Date of start 17/03/2021 Date at end 17/03/2021

Test Run 1		Test Run 2		Test Run 3	
Pit Dimensions (m)		Pit Dimensions (m)		Pit Dimensions (m)	
Trial Pit Length (L)	2.800m	Trial Pit Length (L)		Trial Pit Length (L)	
Trial Pit Breadth / Width (B)	0.600m	Trial Pit Breadth / Width (B)		Trial Pit Breadth / Width (B)	
Effective Depth (D)	2.600m	Effective Depth (D)		Effective Depth (D)	
Time at Start of Filling	10.08	Time at Start of Filling		Time at Start of Filling	
Time at End of Filling	10.10	Time at End of Filling		Time at End of Filling	
Depth from Surface to Water (D _{TW})	1.600m	Depth below Surface to Water (D _{TW})		Depth below Surface to Water (D _{TW})	
Water Depth (W _D)	1.000m	Water Depth (W _D)	-	Water Depth (W _D)	-
Maximum Fill Volume (V _w)	1.680m ³	Maximum Fill Volume (V _w)	-	Maximum Fill Volume (V _w)	-
Gravel used to backfill Test Pit	No	Gravel used to backfill Test Pit		Gravel used to backfill Test Pit	
Porosity of Gravel Backfill (P _t)		Porosity of Gravel Backfill (P _t)		Porosity of Gravel Backfill (P _t)	
Corrected Water Volume (V _{wc})	1.680m ³	Corrected Water Volume (V _{wc})	-	Corrected Water Volume (V _{wc})	-

Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	10.100	1.600	0								
1	10.105	1.590	30								
1	10.110	1.590	60								
1	10.120	1.590	120								
1	10.130	1.590	180								
1	10.140	1.590	240								
1	10.150	1.590	300								
1	10.200	1.590	600								
1	10.250	1.570	900								
1	10.300	1.570	1200								
1	10.350	1.570	1500								
1	10.400	1.570	1800								
1	10.500	1.570	2400								
1	11.000	1.570	3000								
1	11.100	1.570	3600								
1	11.100	1.570	3600								
1	11.400	1.560	5400								
1	12.100	1.560	7200								
1	13.100	1.550	10800								
			10800								
			10800								
			10800								
			10800								

25% water loss (75% full)	1.850m	25% water loss (75% full)	-	25% water loss (75% full)	-
50% water loss (50% full)	2.100m	50% water loss (50% full)	-	50% water loss (50% full)	-
75% water loss (25% full)	2.350m	75% water loss (25% full)	-	75% water loss (25% full)	-
25% time (seconds)	-	25% time (seconds)	-	25% time (seconds)	-
75% time (seconds)	-	75% time (seconds)	-	75% time (seconds)	-
Vp 75-25	0.840m ³	Vp 75-25	-	Vp 75-25	-
ap 50 (Actual area from test)	5.080m ³	ap 50 (Actual area from test)	-	ap 50 (Actual area from test)	-
tp 75 - 25		tp 75 - 25		tp 75 - 25	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	17/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

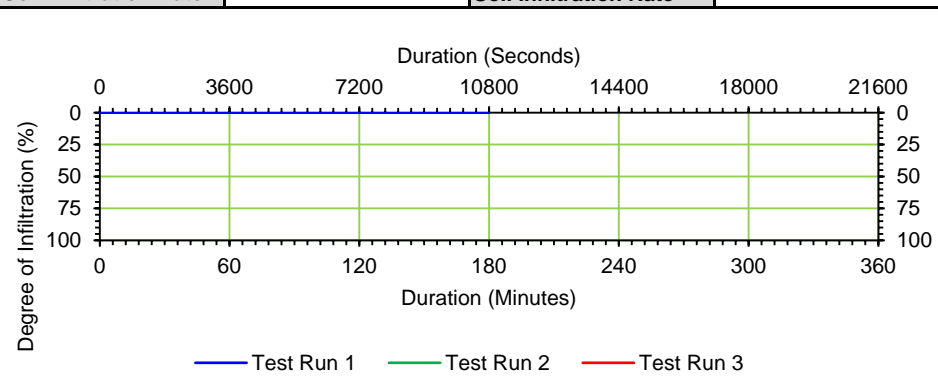


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location **TP05** Date of start **19/03/2021** Date at end **19/03/2021**

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		3.600m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.600m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		9.03		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		9.05		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.670m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		0.930m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		2.009m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		2.009m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	9.050	1.670	0								
1	9.055	1.670	30								
1	9.060	1.670	60								
1	9.070	1.670	120								
1	9.080	1.670	180								
1	9.090	1.670	240								
1	9.100	1.670	300								
1	9.150	1.670	600								
1	9.200	1.670	900								
1	9.250	1.670	1200								
1	9.300	1.670	1500								
1	9.350	1.670	1800								
1	9.450	1.670	2400								
1	9.550	1.670	3000								
1	10.050	1.670	3600								
1	10.350	1.660	5400								
1	11.050	1.660	7200								
1	12.050	1.660	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.903m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		2.135m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.368m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		1.004m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		6.066m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	19/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021



1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

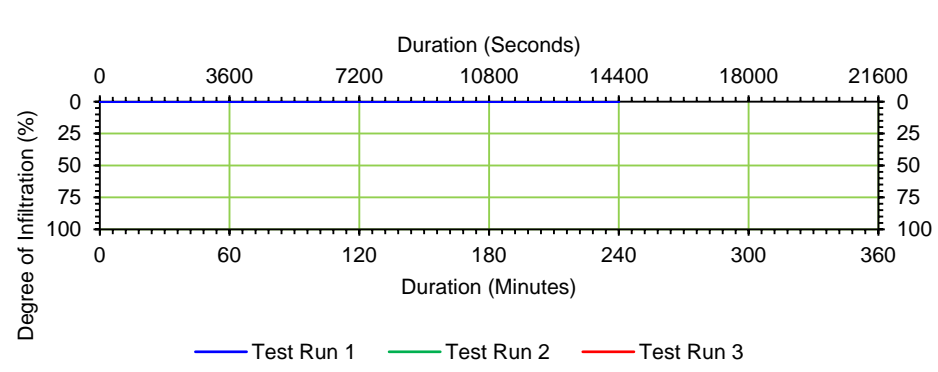
Test Location TP06 Date of start 17/03/2021 Date at end 17/03/2021

Test Run 1		Test Run 2		Test Run 3	
Pit Dimensions (m)		Pit Dimensions (m)		Pit Dimensions (m)	
Trial Pit Length (L)	3.300m	Trial Pit Length (L)		Trial Pit Length (L)	
Trial Pit Breadth / Width (B)	0.600m	Trial Pit Breadth / Width (B)		Trial Pit Breadth / Width (B)	
Effective Depth (D)	2.500m	Effective Depth (D)		Effective Depth (D)	
Time at Start of Filling	8.42	Time at Start of Filling		Time at Start of Filling	
Time at End of Filling	8.44	Time at End of Filling		Time at End of Filling	
Depth from Surface to Water (D _{TW})	1.500m	Depth below Surface to Water (D _{TW})		Depth below Surface to Water (D _{TW})	
Water Depth (W _D)	1.000m	Water Depth (W _D)	-	Water Depth (W _D)	-
Maximum Fill Volume (V _w)	1.980m ³	Maximum Fill Volume (V _w)	-	Maximum Fill Volume (V _w)	-
Gravel used to backfill Test Pit	No	Gravel used to backfill Test Pit		Gravel used to backfill Test Pit	
Porosity of Gravel Backfill (P _t)		Porosity of Gravel Backfill (P _t)		Porosity of Gravel Backfill (P _t)	
Corrected Water Volume (V _{wc})	1.980m ³	Corrected Water Volume (V _{wc})	-	Corrected Water Volume (V _{wc})	-

Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	8.440	1.500	0								
1	8.445	1.500	30								
1	8.450	1.500	60								
1	8.460	1.500	120								
1	8.470	1.500	180								
1	8.480	1.500	240								
1	8.490	1.490	300								
1	8.540	1.490	600								
1	8.590	1.490	900								
1	9.040	1.490	1200								
1	9.090	1.490	1500								
1	9.140	1.490	1800								
1	9.240	1.490	2400								
1	9.340	1.490	3000								
1	9.440	1.490	3600								
1	10.140	1.490	5400								
1	11.440	1.490	10800								
1	12.440	1.490	14400								
			14400								
			14400								
			14400								
			14400								
			14400								

25% water loss (75% full)	1.750m	25% water loss (75% full)	-	25% water loss (75% full)	-
50% water loss (50% full)	2.000m	50% water loss (50% full)	-	50% water loss (50% full)	-
75% water loss (25% full)	2.250m	75% water loss (25% full)	-	75% water loss (25% full)	-
25% time (seconds)	-	25% time (seconds)	-	25% time (seconds)	-
75% time (seconds)	-	75% time (seconds)	-	75% time (seconds)	-
Vp 75-25	0.990m ³	Vp 75-25	-	Vp 75-25	-
ap 50 (Actual area from test)	5.880m ³	ap 50 (Actual area from test)	-	ap 50 (Actual area from test)	-
tp 75 - 25		tp 75 - 25		tp 75 - 25	

Soil Infiltration Rate	-	Soil Infiltration Rate	-	Soil Infiltration Rate	-
------------------------	---	------------------------	---	------------------------	---



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	17/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

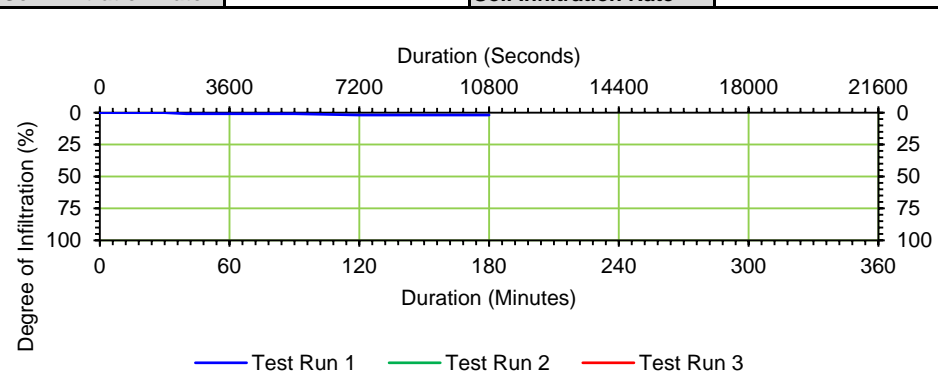


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP07 Date of start: 18/03/2021 Date at end: 18/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		2.900m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.600m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		8.19		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		8.21		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.520m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.080m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.879m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.879m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	8.210	1.520	0								
1	8.215	1.520	30								
1	8.220	1.520	60								
1	8.230	1.520	120								
1	8.240	1.520	180								
1	8.250	1.520	240								
1	8.260	1.520	300								
1	8.310	1.520	600								
1	8.360	1.520	900								
1	8.410	1.520	1200								
1	8.460	1.520	1500								
1	8.510	1.520	1800								
1	9.010	1.530	2400								
1	9.110	1.530	3000								
1	9.210	1.530	3600								
1	9.510	1.530	5400								
1	10.210	1.540	7200								
1	11.210	1.540	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.790m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		2.060m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.330m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.940m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		5.520m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	18/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

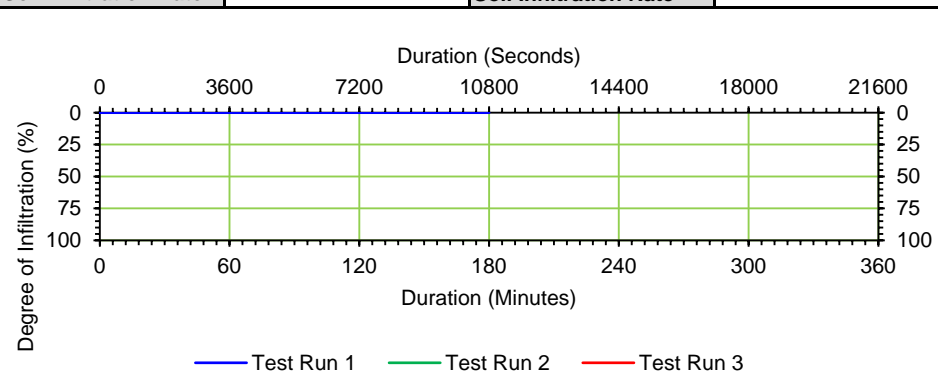


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP08 Date of start: 16/03/2021 Date at end: 16/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		3.000m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.300m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		9.38		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		9.40		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.250m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.050m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.890m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.890m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	9.400	1.250	0								
1	9.405	1.250	30								
1	9.410	1.240	60								
1	9.420	1.240	120								
1	9.430	1.230	180								
1	9.440	1.230	240								
1	9.450	1.220	300								
1	9.500	1.120	600								
1	9.550	1.080	900								
1	10.000	1.050	1200								
1	10.050	1.030	1500								
1	10.100	0.990	1800								
1	10.200	0.950	2400								
1	10.300	0.890	3000								
1	10.400	0.860	3600								
1	11.100	0.740	5400								
1	11.400	0.650	7200								
1	12.400	0.580	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.513m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		1.775m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.038m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.945m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		5.580m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	16/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

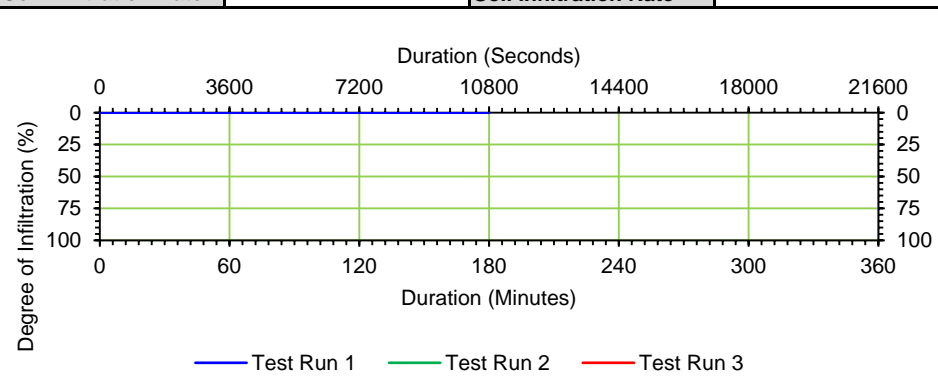


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP09 Date of start: 16/03/2021 Date at end: 16/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		2.900m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.000m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		12.55		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		12.57		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.000m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.000m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.740m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.740m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	12.570	1.000	0								
1	12.575	1.000	30								
1	12.580	1.000	60								
1	12.590	1.000	120								
1	13.000	1.000	180								
1	13.010	1.000	240								
1	13.020	1.000	300								
1	13.070	0.980	600								
1	13.120	0.980	900								
1	13.170	0.980	1200								
1	13.220	0.970	1500								
1	13.270	0.970	1800								
1	13.370	0.960	2400								
1	13.470	0.950	3000								
1	13.570	0.940	3600								
1	14.270	0.920	5400								
1	14.570	0.900	7200								
1	15.570	0.880	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.250m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		1.500m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		1.750m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.870m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		5.240m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	16/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

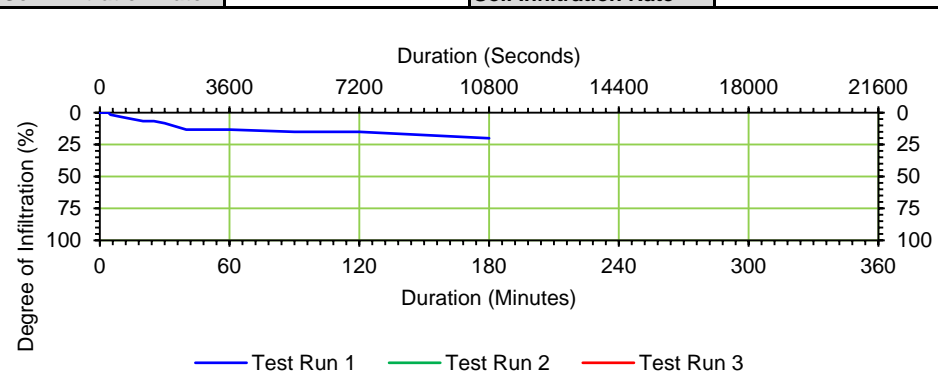


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP10 Date of start: 16/03/2021 Date at end: 16/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		3.200m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		2.300m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		8.43		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		8.45		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		1.700m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		0.600m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.152m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.152m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	8.450	1.700	0								
1	8.455	1.700	30								
1	8.460	1.700	60								
1	8.470	1.700	120								
1	8.480	1.700	180								
1	8.490	1.700	240								
1	8.500	1.710	300								
1	8.550	1.720	600								
1	9.000	1.730	900								
1	9.050	1.740	1200								
1	9.100	1.740	1500								
1	9.150	1.750	1800								
1	9.250	1.780	2400								
1	9.350	1.780	3000								
1	9.450	1.780	3600								
1	10.150	1.790	5400								
1	10.450	1.790	7200								
1	11.450	1.820	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		1.850m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		2.000m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		2.150m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.576m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		4.200m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	16/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

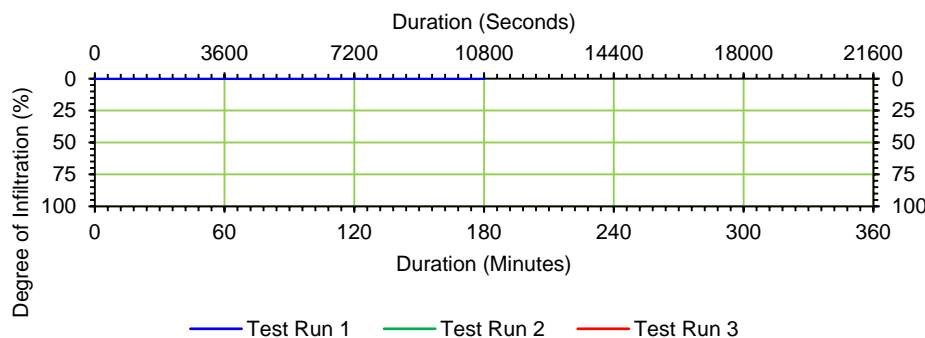


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP11 Date of start: 15/03/2021 Date at end: 15/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		2.800m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		1.600m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		10.15		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		10.17		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		0.600m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		1.000m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.680m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.680m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	10.170	0.600	0								
1	10.175	0.600	30								
1	10.180	0.600	60								
1	10.190	0.600	120								
1	10.200	0.600	180								
1	10.210	0.600	240								
1	10.220	0.600	300								
1	10.270	0.600	600								
1	10.320	0.600	900								
1	10.370	0.600	1200								
1	10.420	0.600	1500								
1	10.470	0.600	1800								
1	10.570	0.600	2400								
1	11.070	0.600	3000								
1	11.170	0.600	3600								
1	11.470	0.580	5400								
1	12.170	0.570	7200								
1	13.170	0.550	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		0.850m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		1.100m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		1.350m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.840m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		5.080m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	15/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021

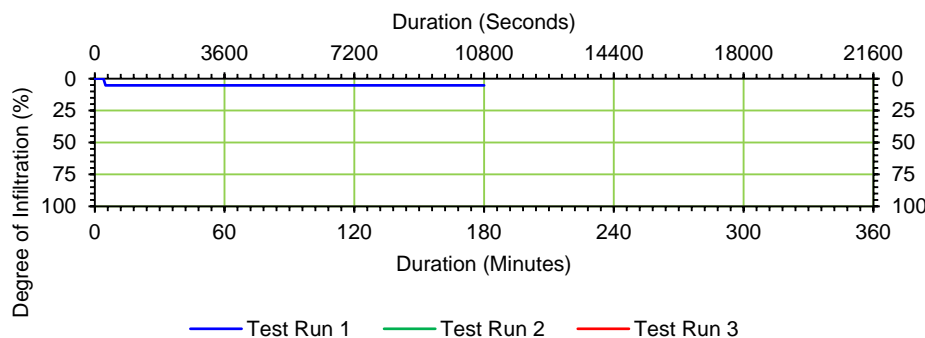


1 DAY INFILTRATION ASSESSMENT - WORKSHEET

Site: Whyndyke Farm
 Client: Cassidy and Ashton

Test Location: TP12 Date of start: 15/03/2021 Date at end: 15/03/2021

Test Run 1				Test Run 2				Test Run 3			
Pit Dimensions (m)				Pit Dimensions (m)				Pit Dimensions (m)			
Trial Pit Length (L)		2.800m		Trial Pit Length (L)				Trial Pit Length (L)			
Trial Pit Breadth / Width (B)		0.600m		Trial Pit Breadth / Width (B)				Trial Pit Breadth / Width (B)			
Effective Depth (D)		1.600m		Effective Depth (D)				Effective Depth (D)			
Time at Start of Filling		11.10		Time at Start of Filling				Time at Start of Filling			
Time at End of Filling		11.12		Time at End of Filling				Time at End of Filling			
Depth from Surface to Water (D _{TW})		0.650m		Depth below Surface to Water (D _{TW})				Depth below Surface to Water (D _{TW})			
Water Depth (W _D)		0.950m		Water Depth (W _D)		-		Water Depth (W _D)		-	
Maximum Fill Volume (V _w)		1.596m ³		Maximum Fill Volume (V _w)		-		Maximum Fill Volume (V _w)		-	
Gravel used to backfill Test Pit		No		Gravel used to backfill Test Pit				Gravel used to backfill Test Pit			
Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)				Porosity of Gravel Backfill (P _t)			
Corrected Water Volume (V _{wc})		1.596m ³		Corrected Water Volume (V _{wc})		-		Corrected Water Volume (V _{wc})		-	
Time to soakaway				Time to soakaway				Time to soakaway			
Time		Depth to water	Duration	Time		Depth to water	Duration	Time		Depth to water	Duration
Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds	Day	Time	(m bgl)	Seconds
1	11.120	0.650	0								
1	11.125	0.650	30								
1	11.130	0.650	60								
1	11.140	0.650	120								
1	11.150	0.650	180								
1	11.160	0.650	240								
1	11.170	0.700	300								
1	11.220	0.640	600								
1	11.270	0.640	900								
1	11.320	0.630	1200								
1	11.370	0.630	1500								
1	11.420	0.630	1800								
1	11.520	0.620	2400								
1	12.020	0.610	3000								
1	12.120	0.600	3600								
1	12.420	0.570	5400								
1	13.120	0.540	7200								
1	14.120	0.510	10800								
			10800								
			10800								
			10800								
			10800								
			10800								
25% water loss (75% full)		0.888m		25% water loss (75% full)		-		25% water loss (75% full)		-	
50% water loss (50% full)		1.125m		50% water loss (50% full)		-		50% water loss (50% full)		-	
75% water loss (25% full)		1.363m		75% water loss (25% full)		-		75% water loss (25% full)		-	
25% time (seconds)		-		25% time (seconds)		-		25% time (seconds)		-	
75% time (seconds)		-		75% time (seconds)		-		75% time (seconds)		-	
Vp 75-25		0.798m ³		Vp 75-25		-		Vp 75-25		-	
ap 50 (Actual area from test)		4.910m ³		ap 50 (Actual area from test)		-		ap 50 (Actual area from test)		-	
tp 75 - 25				tp 75 - 25				tp 75 - 25			
Soil Infiltration Rate		-		Soil Infiltration Rate		-		Soil Infiltration Rate		-	



Form completed by		
Tested By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	15/03/2021
Calculated By	PRINT	Daniel Sanchez
	SIGN	DS
	DATE	22/03/2021
Checked by	PRINT	Leon Warrington
	SIGN	LW
	DATE	07/04/2021



Method: Trial Pit	Date(s): 19/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 33151.77, 434619.47	Stability: Unstable below 0.30m bgl	Dimensions: 3.70m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.20	(0.20)		
				Soft orangish brown sandy slightly gravelly CLAY with bands of sand. Gravel is fine to coarse subangular of mudstone, limestone. (TILL) ... Collapsing below 0.30m bgl		(2.40)		
Base of Excavation at 2.60m					2.60			
					3			
					4			
					5			

General Remarks:
1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken. 3. Collapsing walls occurred after digging whilst performing the onsite testing.



Method: Trial Pit	Date(s): 19/03/2021	Logged By:	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335451.32, 434654.14	Stability: Unstable below 0.40m bgl	Dimensions: 3.00m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.30	(0.30)		
1.00 - 1.50	B			Soft orangish brown sandy slightly gravelly CLAY with bands of sand. Gravel is fine to coarse subangular of mudstone, limestone. (TILL) ... Collapsing from ground level.	1	(2.30)		
1.50	D							
Base of Excavation at 2.60m					2.60			
					3			
					4			
					5			

General Remarks:
 1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken. 3. Collapsing walls occurred after digging whilst performing the onsite testing.



Method: Trial Pit	Date(s): 18/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335641.72, 433892.67	Stability: Unstable below 0.50m bgl	Dimensions: 3.20m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)		(0.40)		
				Soft orangish brown sandy CLAY. (TILL) <i>... Collapsing below 0.50m bgl</i>	0.40	(0.15)		
				Orangish brown sandy gravelly CLAY with low boulder content and running sands. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)	0.55			
				<i>... Below 2.50m bgl with running sands were it becomes sandy to very sandy</i>	1			
					2			
					3			
					3.00	(2.45)		
				Base of Excavation at 3.00m	4			
					5			

General Remarks:
 1. Backfilled with arisings on completion. 2. Moved location due to unsuitable ground condition in the proposed location. 3. BRE Digest 365 Soakaway test undertaken



Method: Trial Pit	Date(s): 17/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335180.87, 434230.99	Stability: Stable	Dimensions: 2.80m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.30	(0.30)		
				Soft orangish brown sandy CLAY. (TILL)	0.60	(0.30)		
				Orangish brown sandy gravelly CLAY with low boulder content. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)	1	(2.00)		
					2			
					2.60			
					3			
					4			
					5			

General Remarks:
1. Backfilled with arisings on completion. 2. Moved location due to unsuitable ground condition in the proposed location. 3. BRE Digest 365 Soakaway test undertaken

Groundwater: Slight seepage at 0.60m bgl

Method: Trial Pit	Date(s): 19/03/2021	Logged By:	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335231.39, 434650.35	Stability: Stable	Dimensions: 3.60m Scale: 1:25
Hydrock Project No: C-18299		Plant: 14tn	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.20	(0.20)		
1.00 - 1.50	B			Soft orangish brown sandy slightly gravelly CLAY with bands of sand. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)				
				... At 1.20m bgl with running sands		(2.40)		
1.50	D							
----- Base of Excavation at 2.60m -----					2.60			
					3			
					4			
					5			

General Remarks:
1. Backfilled with arisings on completion. 2. Moved location due to unsuitable ground condition in the proposed location. 3. BRE Digest 365 Soakaway test undertaken



Method: Trial Pit	Date(s): 17/03/2021	Logged By:	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335278.11, 434103.85	Stability: Stable	Dimensions: 3.30m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m/bgl	Thickness (m)	Level m/OD	Legend
Depth (m)	Type	Results						
1.50 1.50 - 2.00	D B			Very soft dark brown sandy CLAY. (TOPSOIL)	0.20	(0.20)		
				Soft orangish brown sandy CLAY. (TILL)	0.60	(0.40)		
				Orangish brown sandy gravelly CLAY with low boulder content. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)	1.90	(1.90)		
				Base of Excavation at 2.50m				
					2.50			
					3			
					4			
					5			

General Remarks:
1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken



Method: Trial Pit	Date(s): 18/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 33581.71, 433648.24	Stability: Stable	Dimensions: 2.90m Scale: 1:25
Hydrock Project No: C-18299		Plant: 14tn	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.30	(0.30)		
				Soft orangish brown sandy CLAY. (TILL)	0.70	(0.40)		
1.50 1.50 - 2.00	D B			Orangish brown sandy gravelly CLAY with low boulder content. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)	1.00 2.00	(1.90)		
				Base of Excavation at 2.60m	2.60			
					3.00			
					4.00			
					5.00			

General Remarks:
 1. Backfilled with arisings on completion. 2. Moved location due to unsuitable ground condition in the proposed location. 3. BRE Digest 365 Soakaway test undertaken

Groundwater: Dry

Method: Trial Pit	Date(s): 16/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335469.79, 433913.01	Stability: Unstable below 0.50m bgl	Dimensions: 3.00m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	
Depth (m)	Type	Results							
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.20	(0.20)			
				Soft orangish brown sandy CLAY. (TILL)	0.50	(0.30)			
				Very soft to soft black sandy slightly organic CLAY with strong organic odour. (PEAT) ... Collapsing below 0.50m bgl	1.00	(1.80)			
				Base of Excavation at 2.30m					
					2.00				
					3.00				
					4.00				
					5.00				

General Remarks:
 1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken



Method: Trial Pit	Date(s): 16/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335585.34, 433785.59	Stability: Stable	Dimensions: 3.20m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m	Thickness (m)	Level m	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.40	(0.40)		
1.00 - 1.50	B			Soft orangish brown sandy gravelly CLAY with bands of sand. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)	1.00	(1.90)		
1.50	D							
Base of Excavation at 2.30m					2.30			
					3.00			
					4.00			
					5.00			

General Remarks:
 1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken. 3. Collapsing walls occurred after digging whilst performing the onsite testing.



Method: Trial Pit	Date(s): 15/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335589.66, 433587.97	Stability: Stable	Dimensions: 2.80m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m/bgl	Thickness (m)	Level m/OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.50	(0.50)		
				Orangish brown sandy gravelly CLAY with low boulder content. Gravel is fine to coarse subangular of mudstone, limestone. (TILL)	0.90	(0.40)		
				Very soft to soft black sandy organic CLAY. (PEAT)	1.60	(0.70)		
				----- Base of Excavation at 1.60m				
					2			
					3			
					4			
					5			

General Remarks:
1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken. 3. Collapsing walls occurred after digging whilst performing the onsite testing.



Method: Trial Pit	Date(s): 15/03/2021	Logged By: DS	Checked By: LW
Client: Cassidy and Ashton	Co-ords: 335901.74, 433659.78	Stability: Unstable below 0.40m bgl	Dimensions: 2.80m
Hydrock Project No: C-18299		Plant: 14tn	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Very soft dark brown sandy CLAY. (TOPSOIL)	0.40	(0.40)		
				Pale brown clayey SAND. (TILL) ... Collapsing below 0.40m bgl	0.70	(0.30)		
				Orangish brown fine to coarse SAND. (TILL)	1.60	(0.90)		
				----- Base of Excavation at 1.60m				
					2			
					3			
					4			
					5			

General Remarks:
1. Backfilled with arisings on completion. 2. BRE Digest 365 Soakaway test undertaken. 3. Collapsing walls occurred after digging whilst performing the onsite testing.