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Drilled By
 GW
 Logged By
 GW

Borehole No
BH09

Sheet 2 of 2

Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 722746E - 718179N	Hole Type RO
Client: RPS Consulting Engineers	Dates: 09/02/2016	Level: 97.97 mOD	Scale 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy GRAVEL		
					12.00	85.97	12.00	End of Borehole at 12.00 m	

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck 6.00m	Rose to -	After -	Sealed -	Comment	Hole Information: Hole Depth 12.00m	Hole Diameter 150	Casing Diameter 131mm	Chiselling: Depths (m) to	Time (hhmm)	Tool
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Remarks: Borehole complete at 12.0m bgl. 50mm dia. standpipe installed response zone 2m - 12m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 09/02/2016 Casing depth 12.00m Remarks End of shift
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Equipment & Methods: Deltabase 520



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Borehole No
BH10

Sheet 1 of 2

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 722792E - 718279N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 11/02/2016	Level: 99.31 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy, clayey GRAVEL		
					96.11	3.20	Open hole drilling. Driller described sandy GRAVEL		
					95.01	4.30	Open hole drilling. Driller described SAND		
					93.31	6.00	Open hole drilling. Driller described sandy GRAVEL		
							Continued next sheet		

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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
8.00m	-	-	-		14.00m	150	131mm	to		

Remarks: Borehole complete at 14.0m bgl. 50mm dia. standpipe installed response zone 4m - 14m.	Shift Data: Groundwater - 11/02/2016 14.00m End of shift
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Borehole No

BH10

Sheet 2 of 2

Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 722792E - 718279N	Hole Type RO
Client: RPS Consulting Engineers	Dates: 11/02/2016	Level: 99.31 mOD	Scale 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
	<input checked="" type="checkbox"/>					90.21	9.10	Open hole drilling. Driller described wet sandy GRAVEL	
						88.81	10.50	Open hole drilling. Driller described sandy, clayey GRAVEL	
						14.00	14.00	End of Borehole at 14.00 m	

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Water	Depth (m)	Type	Results	Casing	Level	Depth
Groundwater:						
Struck	Rose to	After	Scaled	Comment		
6.00m	-	-	-			
9.10m	-	-	-			
Hole Information:				Chiselling:		
Hole Depth		Hole Diameter		Casing Diameter		
14.00m		150		131mm		
Depths (m)			Time (hhmm)			Tool
to						

Remarks: Borehole complete at 14.0m bgl. 50mm dia. standpipe installed response zone 4m - 14m.

Shift Data: Groundwater Shift (dd/mm/yyyy) Casing depth Remarks
 - 11/02/2016 14.00m End of shift

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Borehole No
BH11

Sheet 1 of 4

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723803E - 718269N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 24/02/2016	Level: 82.65 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy CLAY		
					79.35	3.30	Open hole drilling. Driller describes sandy GRAVEL.		
					76.25	6.40	Open hole drilling. Driller describes GRAVEL.		
							Continued next sheet		

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Groundwater: Struck Rose to After Sealed Comment	Hole Information: Hole Depth Hole Diameter Casing Diameter 33.00m 150 131mm	Chiselling: Depths (m) Time (hhmm) Tool to
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Remarks: Borehole complete at 33.0m bgl. 50mm dia. standpipe installed response zone 1m - 33m.	Shift Data: Groundwater Shift (dd/mm/yyyy) Casing depth Remarks - 24/02/2016 33.00m End of shift
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Borehole No
BH11

Sheet 4 of 4

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 723803E - 718269N	Hole Type: RO
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Client: RPS Consulting Engineers	Dates: 24/02/2016	Level: 82.65 mOD	Scale: 1:50
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Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller describes SAND.		
								28	
								29	
								30	
								31	
								32	
					33.00	49.65	33.00	33	
							End of Borehole at 33.00 m		
								34	
								35	

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Water	Depth (m)	Type	Results	Casing	Level	Depth	Chiselling:	Time (hhmm)	Tool
Struck		Rose to	After Sealed	Comment	Hole Information:		Depths (m)		
					Hole Depth	Hole Diameter	to		
					33.00m	150			
						Casing Diameter			
						133mm			

Remarks: Borehole complete at 33.0m bgl. 50mm dia. standpipe installed response zone 1m - 33m.

Shift Data: Groundwater - Shift (dd/mm/yyyy) 24/02/2016 Casing depth 33.00m Remarks End of shift

Equipment & Methods: Database 520



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Borehole No
BH13

Sheet 1 of 3

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723634E - 718448N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 03/02/2016	Level: 87.99 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
						86.59	1.40	Open hole drilling. Driller described sandy CLAY	1
								Open hole drilling. Driller described sandy, clayey GRAVEL	2
									3
									4
									5
						81.79	6.20	Open hole drilling. Driller described SAND	6
									7
									8

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck 11.10m Rose to - After - Sealed - Comment					Hole Information: Hole Depth 19.50m Hole Diameter 150 Casing Diameter 130mm			Chiselling: Depths (m) to Time (hhmm) Tool		
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Remarks: Borehole completed at 19.5m bgl. 50mm dia. standpipe installed response zone 4.5m - 19.5m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 03/02/2016 Casing depth 19.50m Remarks End of shift
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Borehole No
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Sheet 2 of 3

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 723634E - 718448N	Hole Type: RO
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Client: RPS Consulting Engineers	Dates: 03/02/2016	Level: 87.99 mOD	Scale: 1:50
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Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
					78.79	9.20	Open hole drilling. Driller described SAND Open hole drilling. Driller described sandy GRAVEL		
					77.49	10.50	Open hole drilling. Driller described very wet GRAVEL		
					76.89	11.10	Open hole drilling. Driller described silty, sandy CLAY		
					76.69	11.30	Open hole drilling. Driller described dry SAND		
					71.49	16.50	Open hole drilling. Driller described sandy GRAVEL		

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Continued next sheet

Water	Depth (m)	Type	Results	Casing	Level	Depth	Chiselling:	Time (hhmm)	Tool
Struck	11.10m	-	-	-	19.50m	150	130mm		

Remarks: Borehole completed at 19.5m bgl. 50mm dia. standpipe installed response zone 4.5m - 19.5m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 03/02/2016 Casing depth 19.50m Remarks End of shift
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Sheet 3 of 3

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723634E - 718448N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 03/02/2016	Level: 87.99 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy GRAVEL		
					19.50	68.49	19.50	End of Borehole at 19.50 m	

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck 11.10m Rose to - After - Sealed - Comment					Hole Information: Hole Depth 19.50m Hole Diameter 150 Casing Diameter 130mm			Chiselling: Depths (m) to Time (hhmm) Tool		
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Remarks: Borehole completed at 19.5m bgl. 50mm dia. standpipe installed response zone 4.5m - 19.5m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 03/02/2016 Casing depth 19.50m Remarks End of shift
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Borehole No
G01

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Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 723757E - 718233N	Hole Type RO
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Client: RPS Consulting Engineers	Dates: 23/02/2016	Level: 84.99 mOD	Scale 1:50
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Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy GRAVEL.		
							Open hole drilling. Driller described GRAVEL.		
						76.89	8.10		

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Continued next sheet

Water	Depth (m)	Type	Results	Casing	Level	Depth	Chiselling:	Time (hhmm)	Tool
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	
-	-	-	-	-None encountered.	19.30m	150	131mm	to	

Remarks: Borehole complete at 19.30m bgl. 50mm dia. standpipe installed response zone 1m to 11m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 23/02/2016 Casing depth 19.30m Remarks End of shift
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Borehole No
G01

Sheet 2 of 3

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723757E - 718233N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 23/02/2016	Level: 84.99 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
						75.59	9.40	Open hole drilling. Driller described GRAVEL.	
								Open hole drilling. Driller described sandy GRAVEL.	
						75.19	9.80	Open hole drilling. Driller described GRAVEL.	
									10
									11
									12
									13
									14
									15
									16
						67.89	17.10	Open hole drilling. Driller described blowing fine SAND and GRAVEL.	17

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Continued next sheet

Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck: - Rose to: - After: - Sealed: - Comment: -None encountered.					Hole Information: Hole Depth: 19.30m Hole Diameter: 150 Casing Diameter: 131mm			Chiselling: Depths (m): to Time (hhmm): Tool:		
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Remarks: Borehole complete at 19.30m bgl. 50mm dia. standpipe installed response zone 1m to 11m.	Shift Data: Groundwater: - Shift (dd/mm/yyyy): 23/02/2016 Casing depth: 19.30m Remarks: End of shift
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Borehole No

G01

Sheet 3 of 3

Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 723757E - 718233N	Hole Type RO
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Client: RPS Consulting Engineers	Dates: 23/02/2016	Level: 84.99 mOD	Scale 1:50
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Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described blowing fine SAND and GRAVEL.		
					19.30	65.69	19.30		
							End of Borehole at 19.30 m		
								19	
								20	
								21	
								22	
								23	
								24	
								25	
								26	

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater:				Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
-	-	-	-None encountered.	19.30m	150	131mm	to		

Remarks: Borehole complete at 19.30m bgl. 50mm dia. standpipe installed response zone 1m to 11m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 23/02/2016 Casing depth 19.30m Remarks End of shift
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Borehole No
G02

Sheet 1 of 3

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723907E - 718312N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 03/02/2016-04/02/2016	Level: 72.66 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described CLAY.		
						69.66	3.00	Open hole drilling. Driller described SAND.	

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater:					Hole information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
3.20m	-	-	-		19.50m	150	130mm	to		

Remarks: Borehole complete at 19.50m bgl. 50mm dia. standpipe installed response zone 1m to 11.5m.	Shift Data:	Groundwater	Shift (dd/mm/yyyy)	Casing depth	Remarks
		3.20m	03/02/2016	13.50m	End of shift
		-	04/02/2016	13.50m	Start of shift

Equipment & Methods: Deltabase 520



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Borehole No
G02

Sheet 2 of 3

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 723907E - 718312N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 03/02/2016-04/02/2016	Level: 72.66 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described SAND.		
					62.16	10.50	Open hole drilling. Driller described GRAVEL.		
					59.16	13.50	Open hole drilling. Driller described sandy GRAVEL.		
Continued next sheet									

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Groundwater: Struck 3.20m Rose to - After - Sealed - Comment -					Hole Information: Hole Depth 19.50m Hole Diameter 150 Casing Diameter 130mm			Chiselling: Depths (m) to Time (hhmm) Tool		
--	--	--	--	--	---	--	--	--	--	--

Remarks: Borehole complete at 19.50m bgl. 50mm dia. standpipe installed response zone 1m to 11.5m.	Shift Data:			
	Groundwater	Shift (dd/mm/yyyy)	Casing depth	Remarks
	3.20m	03/02/2016	13.50m	End of shift
	-	04/02/2016	13.50m	Start of shift

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Borehole No

G02

Sheet 3 of 3

Project Name:

Fassaroe Historic Landfills

Project No.:

P15180

Co-ords: 723907E - 718312N

Hole Type:

RO

Client: RPS Consulting Engineers

Dates:

03/02/2016-04/02/2016

Level: 72.66 mOD

Scale:

1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
						53.66	19.00	Open hole drilling. Driller described sandy GRAVEL.	
					19.50		End of Borehole at 19.50 m		
									19
									20
									22
									23
									24
									26

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Groundwater:

Struck	Rose to	After	Sealed	Comment
3.20m	-	-	-	

Hole Information:

Hole Depth	Hole Diameter	Casing Diameter
19.50m	150	130mm

Chiselling:

Depths (m)	Time (hhmm)	Tool
to		

Remarks: Borehole complete at 19.50m bgl. 50mm dia. standpipe installed response zone 1m to 11.5m.

Shift Data:

Groundwater	Shift (dd/mm/yyyy)	Casing depth	Remarks
3.20m	03/02/2016	13.50m	End of shift
-	04/02/2016	13.50m	Start of shift

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Borehole No
G03

Sheet 1 of 3

Project Name: assaroe Historic Landfills
Project No.: P15180
Co-ords: 723984E - 718344N
Hole Type: RO

Client: RPS Consulting Engineers
Dates: 08/02/2016
Level: 69.50 mOD
Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described CLAY.	1	
					68.00	1.50	Open hole drilling. Driller described clay GRAVEL.	2	
					66.50	3.00	Open hole drilling. Driller described sandy GRAVEL.	3	
								4	
								5	
								6	
								7	
					62.00	7.50	Open hole drilling. Driller described GRAVEL with boulder content.	8	

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Water	Depth (m)	Type	Results	Casing	Level	Depth	Chiselling:	Time (hhmm)	Tool
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	to
-	-	-	-	-None encountered.	19.50m	150	131mm		

Remarks: Borehole complete at 19.50m bgl. 50mm dia. standpipe installed response zone 1m to 19.5m.
Shift Data: Groundwater Shift (dd/mm/yyyy) Casing depth Remarks
08/02/2016 19.50m End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G03

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Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723984E - 718344N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 08/02/2016	Level: 69.50 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described GRAVEL with boulder content.		
					59.00	10.50	Open hole drilling. Driller described gravelly SAND with boulder content.		
					57.50	12.00	Open hole drilling. Driller described SAND.		
					54.50	15.00	Open hole drilling. Driller described GRAVEL.		
					51.50	18.00			

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Groundwater: Struck: - Rose to: - After: - Sealed: - Comment: -None encountered.					Hole Information: Hole Depth: 19.50m Hole Diameter: 150 Casing Diameter: 131mm			Chiselling: Depths (m): to Time (hhmm): Tool:		
Remarks: Borehole complete at 19.50m bgl. 50mm dia. standpipe installed response zone 1m to 19.5m.					Shift Data: Groundwater: - Shift (dd/mm/yyyy): 08/02/2016 Casing depth: 19.50m Remarks: End of shift					
Equipment & Methods: Deltabase 520										



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Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 723984E - 718344N	Hole Type RO
Client: RPS Consulting Engineers	Dates: 08/02/2016	Level: 69.50 mOD	Scale 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described SAND.		
					19.50	50.00	19.50		
							End of Borehole at 19.50 m		

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<table border="1"> <tr> <th>Water</th> <th>Depth (m)</th> <th>Type</th> <th>Results</th> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-None encountered.</td> </tr> </table>	Water	Depth (m)	Type	Results	-	-	-	-None encountered.	<table border="1"> <tr> <th colspan="3">Hole Information:</th> </tr> <tr> <th>Hole Depth</th> <th>Hole Diameter</th> <th>Casing Diameter</th> </tr> <tr> <td>19.50m</td> <td>150</td> <td>131mm</td> </tr> </table>	Hole Information:			Hole Depth	Hole Diameter	Casing Diameter	19.50m	150	131mm	<table border="1"> <tr> <th colspan="3">Chiselling:</th> </tr> <tr> <th>Depths (m)</th> <th>Time (hhmm)</th> <th>Tool</th> </tr> <tr> <td>to</td> <td></td> <td></td> </tr> </table>	Chiselling:			Depths (m)	Time (hhmm)	Tool	to		
Water	Depth (m)	Type	Results																									
-	-	-	-None encountered.																									
Hole Information:																												
Hole Depth	Hole Diameter	Casing Diameter																										
19.50m	150	131mm																										
Chiselling:																												
Depths (m)	Time (hhmm)	Tool																										
to																												
Remarks: Borehole complete at 19.50m bgl. 50mm dia. standpipe installed response zone 1m to 19.5m.		Shift Data: Groundwater Shift (dd/mm/yyyy) Casing depth Remarks - 08/02/2016 19.50m End of shift																										
Equipment & Methods: Deltabase 520																												



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Borehole No
G04

Sheet 1 of 3

Project Name: Fassaroe Historic Landfills
Project No.: P15180
Co-ords: 723641E - 718282N
Hole Type: Rotary

Client: RPS Consulting Engineers
Dates: 22/01/2016
Level: 85.62 mOD
Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
					85.42	0.20	Topsoil		
							Open hole drilling. Driller describes grey to brown sandy GRAVEL.	1	
								2	
								3	
								4	
					81.12	4.50	Open hole drilling. Driller describes dark grey sandy, clayey GRAVEL.	5	
								6	
								7	
								8	

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Continued next sheet

Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck - Rose to - After - Sealed - Comment: Refer to detail 19.5m				Hole Information: Hole Depth: 20.00m Hole Diameter: 150 Casing Diameter: 131mm			Chiselling: Depths (m) to - Time (hhmm) - Tool -		
---	--	--	--	--	--	--	--	--	--

Remarks: Borehole complete at 20m bgl. 50mm dia. standpipe installed response zone 3m to 20m.

Shift Data: Groundwater - Shift (dd/mm/yyyy): 22/01/2016 Casing depth: 20.00m Remarks: End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G04

Sheet 2 of 3

Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 723641E - 718282N	Hole Type Rotary
Client: RPS Consulting Engineers	Dates: 22/01/2016	Level: 85.62 mOD	Scale 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller describes dark grey sandy, clayey GRAVEL.		
								10	
								11	
								12	
								13	
								14	
								15	
								16	
								17	

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Continued next sheet

Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck Rose to After Sealed Comment - - - - Refer to detail 19.5m					Hole Information: Hole Depth Hole Diameter Casing Diameter 20.00m 150 131mm			Chiselling: Depths (m) Time (hhmm) Tool to		
---	--	--	--	--	--	--	--	---	--	--

Remarks: Borehole complete at 20m bgl. 50mm dia. standpipe installed response zone 3m to 20m.	Shift Data: Groundwater Shift (dd/mm/yyyy) Casing depth Remarks - 22/01/2016 20.00m End of shift
--	---

Equipment & Methods: Deltabase 520



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Borehole No
G04

Sheet 3 of 3

Project Name: Fassaroe Historic Landfills
Project No.: P15180
Co-ords: 723641E - 718282N
Hole Type: Rotary

Client: RPS Consulting Engineers
Dates: 22/01/2016
Level: 85.62 mOD
Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
						66.12	19.50	Open hole drilling. Driller describes dark grey sandy, clayey GRAVEL.	
					20.00	65.62	20.00	Open hole drilling. Driller describes GRAVEL. From 19.50 to 20.0m bgl arisings are wet.	
								End of Borehole at 20.00 m	

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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
-	-	-	-	Refer to detail 19.5m	20.00m	150	131mm	to		

Remarks: Borehole complete at 20.0m bgl. 50mm dia. standpipe installed response zone 3m to 20m.
Shift Data: Groundwater - Shift (dd/mm/yyyy) 22/01/2016 Casing depth 20.00m Remarks End of shift

Equipment & Methods: Deltabase 520



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Borehole No

G05

Sheet 1 of 3

Project Name:

assaroe Historic Landfills

Project No.

P15180

Co-ords: 723639E - 718345N

Hole Type

Rotary

Client: RPS Consulting Engineers

Dates:

27/01/2016

Level: 86.72 mOD

Scale

1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy, clayey GRAVEL.		
					83.42	3.30	Open hole drilling. Driller describes dark grey sandy, clayey GRAVEL.		
					80.07	6.65	Open hole drilling. Driller describes sandy GRAVEL.		
Continued next sheet									

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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m) to	Time (hhmm)	Tool
					20.00m	150	131mm			

Remarks: Borehole complete at 20m bgl. 50mm dia. standpipe installed response zone 1m to 20m.

Shift Data: Groundwater - Shift (dd/mm/yyyy) 25/01/2016 Casing depth 20.00m Remarks End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G06

Sheet 2 of 2

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 723574E - 718442N	Hole Type: Rotary
Client: RPS Consulting Engineers	Dates: 26/01/2016	Level: 90.99 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller describes sandy GRAVEL.		
					12.00	78.99	12.00	End of Borehole at 12.00 m	

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Groundwater: Struck: - Rose to: - After: - Sealed: - Comment: - None encountered	Hole Information: Hole Depth: 12.00m Hole Diameter: 150 Casing Diameter: 131mm	Chiselling: Depths (m): - Time (hhmm): - Tool: -
--	--	--

Remarks: Borehole complete at 12m bgl. 50mm dia. standpipe installed response zone 1m to 11m.

Shift Data: Groundwater Shift (dd/mm/yyyy): 26/01/2016 Casing depth: 12.00m Remarks: End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G07

Sheet 1 of 2

Project Name: Fassaroe Historic Landfills
Project No.: P15180
Co-ords: 723368E - 718434N
Hole Type: Rotary

Client: RPS Consulting Engineers
Dates: 28/01/2016
Level: 93.03 mOD
Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller describes sandy CLAY.		
					89.93	3.10	Open hole drilling. Driller describes GRAVEL.		
					84.03	9.00	Continued next sheet		

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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
-	-	-	-	- None encountered	14.00m	150	131mm	to		

Remarks: Borehole complete at 140m bgl. 50mm dia. standpipe installed response zone 1m to 14m.

Shift Data: Groundwater
: 20/01/2016 14.00m End of shift
: 28/01/2016 0.00m Start of shift

Equipment & Methods: Deltabase 520



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Borehole No
G07

Sheet 2 of 2

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 723368E - 718434N	Hole Type: Rotary
Client: RPS Consulting Engineers	Dates: 28/01/2016	Level: 93.03 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
						83.43	9.60	Open hole drilling. Driller describes sandy GRAVEL.	
								Open hole drilling. Driller describes SAND.	
									10
									11
									12
									13
				14.00	93.03	14.00		End of Borehole at 14.00 m	14
									15
									16
									17

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Water	Depth (m)	Type	Results	Casing	Level	Depth
-	-	-	- None encountered	14.00m	150	131mm

Groundwater: Struck: -, Rose to: -, After: -, Sealed: -, Comment: - None encountered	Hole Information: Hole Depth: 14.00m, Hole Diameter: 150, Casing Diameter: 131mm	Chiselling: Depths (m): to, Time (hhmm):, Tool:
--	--	---

Remarks: Borehole complete at 140m bgl. 50mm dia. standpipe installed response zone 1m to 14m.	Shift Data: Groundwater: -, Shift (dd/mm/yyyy): 20/01/2016 to 28/01/2016, Casing depth: 14.00m to 0.00m, Remarks: End of shift, Start of shift
---	---

Equipment & Methods: Deltabase 520



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Borehole No
G08

Sheet 2 of 2

Project Name: assaroe Historic Landfills	Project No. P15180	Co-ords: 723307E - 718326N	Hole Type RO
Client: RPS Consulting Engineers	Dates: 29/01/2016	Level: 94.29 mOD	Scale 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described GRAVEL.		
					14.00	80.29	14.00		
							End of Borehole at 14.00 m		

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Groundwater: Struck: - Rose to: - After: - Sealed: - Comment: - None encountered	Hole Information: Hole Depth: 14.00m Hole Diameter: 150 Casing Diameter: 131mm	Chiselling: Depths (m): to Time (hhmm): Tool:
--	--	---

Remarks: Borehole complete at 14.0m bgl. 50mm dia. standpipe installed response zone 1m to 14m.	Shift Data: Groundwater: - Shift (dd/mm/yyyy): 29/01/2016 Casing depth: 14.00m Remarks: End of shift
Equipment & Methods: Deltabase 520	



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Borehole No

G09

Sheet 2 of 2

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 723094E - 718350N	Hole Type: RO
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Client: RPS Consulting Engineers	Dates: 17/02/2016	Level: 93.56 mOD	Scale: 1:50
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Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy, clay GRAVEL.		
					80.26	13.30	Open hole drilling. Driller described blowing SAND.		
					15.00	78.56	15.00		End of Borehole at 15.00 m

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Groundwater: Struck 13.30m Rose to - After - Sealed - Comment: Blowing sand	Hole Information: Hole Depth 15.00m Hole Diameter 150 Casing Diameter 131mm	Chiselling: Depths (m) to Time (hhmm) Tool
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Remarks: Borehole complete at 15.0m bgl. 50mm dia. standpipe installed response zone 1m to 14m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 17/02/2016 Casing depth 15.00m Remarks End of shift
--	--

Equipment & Methods: Deltabase 520



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Borehole No
G10

Sheet 1 of 3

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 723333E - 718172N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 04/02/2016	Level: 98.86 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sand, clay and GRAVEL.		
								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	

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Continued next sheet

Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
20.00m	-	-	-		20.00m	150	130mm	to		

Remarks: Borehole complete at 20m bgl. 50mm dia. standpipe installed response zone 1m to 18.2m.	Shift Data: Groundwater - Shift (dd/mm/yyyy) 04/02/2016 Casing depth 20.00m Remarks End of shift
--	---

Equipment & Methods: Deltabase 520



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Borehole No
G10

Sheet 2 of 3

Project Name:

assaroe Historic Landfills

Project No.

P15180

Co-ords: 723333E - 718172N

Hole Type

RO

Client: RPS Consulting Engineers

Dates:

04/02/2016

Level: 98.86 mOD

Scale

1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sand, clay and GRAVEL.		
								10	
								11	
								12	
								13	
								14	
								15	
								16	
					82.06	16.80	Open hole drilling. Driller described blowing wet silty SAND.	17	
Continued next sheet									

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Water	Depth (m)	Type	Results	Casing	Level	Depth
-------	-----------	------	---------	--------	-------	-------

Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
20.00m	-	-	-		20.00m	150	130mm	to		

Remarks: Borehole complete at 20m bgl. 50mm dia. standpipe installed response zone 1m to 18.2m.

Shift Data: Groundwater - Shift (dd/mm/yyyy) 04/02/2016 Casing depth 20.00m Remarks End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G10

Sheet 3 of 3

Project Name: Fassaroe Historic Landfills
Project No.: P15180
Co-ords: 723333E - 718172N
Hole Type: RO

Client: RPS Consulting Engineers
Dates: 04/02/2016
Level: 98.86 mOD
Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described blowing wet silty SAND.		
	▽				20.00	78.86	20.00	End of Borehole at 20.00 m	19 20 22 23 24 26

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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
20.00m	-	-	-		20.00m	150	130mm	to		

Remarks: Borehole complete at 20m bgl. 50mm dia. standpipe installed response zone 1m to 18.2m.
Shift Data: Groundwater - Shift (dd/mm/yyyy) 04/02/2016 Casing depth 20.00m Remarks End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G11

Sheet 1 of 2

Project Name: assaroe Historic Landfills	Project No.: P15180	Co-ords: 722977E - 718343N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 18/02/2016	Level: 97.21 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy CLAY.		
					94.11	3.10	Open hole drilling. Driller described sandy GRAVEL.		
					91.11	6.10	Open hole drilling. Driller described SAND.		
					89.71	7.50	Open hole drilling. Driller described sandy GRAVEL.		
					88.31	8.90			

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Groundwater: Struck 12.00m Rose to - After - Sealed - Comment	Hole Information: Hole Depth 15.00m Hole Diameter 150 Casing Diameter 131mm	Chiselling: Depths (m) to Time (hhmm) Tool
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Remarks: Borehole complete at 15m bgl. 50mm dia. standpipe installed response zone 1m to 15m.

Shift Data: Groundwater - Shift (dd/mm/yyyy) 18/02/2016 Casing depth 15.00m Remarks End of shift

Equipment & Methods: Deltabase 520



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Borehole No
G11

Sheet 2 of 2

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 722977E - 718343N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 18/02/2016	Level: 97.21 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
▽							Open hole drilling. Driller described wet GRAVEL. Detail 8.90m - 12.00m : From 8.90m bgl arising are wet until 12.0m bgl.	10	
					85.21	12.00	Open hole drilling. Driller described sandy GRAVEL	11	
					15.00	82.21	15.00	End of Borehole at 15.00 m	12
								13	
								14	
								15	
								16	
								17	

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater:					Hole Information:			Chiselling:		
Struck	Rose to	After	Sealed	Comment	Hole Depth	Hole Diameter	Casing Diameter	Depths (m)	Time (hhmm)	Tool
12.00m	-	-	-		15.00m	150	131mm	to		

Remarks: Borehole complete at 15m bgl. 50mm dia. standpipe installed response zone 1m to 15m.	Shift Data: Groundwater Shift (dd/mm/yyyy) 18/02/2016 Casing depth 15.00m Remarks End of shift
--	--

Equipment & Methods: Deltabase 520



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Borehole No
G12

Sheet 2 of 2

Project Name: Fassaroe Historic Landfills	Project No.: P15180	Co-ords: 722830E - 718346N	Hole Type: RO
Client: RPS Consulting Engineers	Dates: 12/02/2016	Level: 98.91 mOD	Scale: 1:50

Well / Backfill	Water Strikes	Samples & In Situ Testing			Casing / Flush	Level (m AOD)	Depth (m)	Stratum Description	Legend
		Depth (m)	Type	Results					
							Open hole drilling. Driller described sandy, clayey GRAVEL.		
					87.61	11.30	Open hole drilling. Driller described sandy GRAVEL. From 11.30 to 14.0m bgl arisings are wet.		
					14.00	14.00	End of Borehole at 14.00 m		

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Water	Depth (m)	Type	Results	Casing	Level	Depth
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Groundwater: Struck 14.00m Rose to - After - Sealed - Comment wet sand					Hole Information: Hole Depth 14.00m Hole Diameter 150 Casing Diameter 131mm			Chiselling: Depths (m) to Time (hhmm) Tool		
--	--	--	--	--	---	--	--	--	--	--

Remarks: Borehole complete at 14m bgl. 50mm dia. standpipe installed response zone 1m to 14m.	Shift Data: Groundwater 14.00m Shift (dd/mm/yyyy) 12/02/2016 Casing depth 14.00m Remarks End of shift
--	---

Equipment & Methods: Deltabase 520
