

ANNEX C
Rotary Borehole Logs



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH01

Sheet 1 of 2

Project Name: CELSA Asphalt Plant

Project No:
15264

Co-ords:

Hole Type
RO

Location:

Level:

Scale
1:100

Client:

Dates: 02/04/2019 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								CONCRETE over MADE GROUND: Recovered as grey to black granular material with traces of clay. Very slow drill due to density.	1
									2
									3
									4
									5
									6
									7
				7.50				Soft, CLAY (DRILLERS DESCRIPTION)	8
									9
									10
									11
									12
									13
									14
									15
									16
				16.40				Weathered MARL (DRILLERS DESCRIPTION)	17
									18
									19
									20

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH01

Sheet 2 of 2

Project Name: CELSA Asphalt Plant Project No: 15264 Co-ords: Hole Type RO

Location: Level: Scale 1:100

Client: Dates: 02/04/2019 - Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				21.00				Weathered MARL (DRILLERS DESCRIPTION)	21
								End of Borehole at 21.000m	22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34
									35
									36
									37
									38
									39
									40

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH01A

Sheet 1 of 1

Project Name:	CELSA Asphalt Plant	Project No:	15264	Co-ords:		Hole Type	RO
Location:		Level:				Scale	1:100
Client:		Dates:	02/04/2019 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.50	SPT	50 (25 for 75mm/50 for 285mm)					CONCRETE over MADE GROUND: Recovered as grey to black granular material with traces of clay. Very slow drill due to density.	1
	3.00	SPT	50 (25 for 145mm/50 for 285mm)						2
	4.50	SPT	50 (25 for 85mm/50 for 245mm)						3
	6.00	SPT	50 (25 for 95mm/50 for 225mm)						4
	7.50	SPT	N=1 (1,1/0,0,0,1)	7.30 7.50				Very soft CLAY	5
								End of Borehole at 7.500m	6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH02

Sheet 1 of 2

Project Name:	CELSA Asphalt Plant	Project No:	15264	Co-ords:		Hole Type	RO
Location:		Level:				Scale	1:100
Client:		Dates:	03/04/2019 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								COCNRETE over MADE GROUND: Recovered as grey to black granular material with traces of clay. Very slow drill due to density.	1
									2
									3
									4
									5
									6
				7.30					7
								Soft CLAY (DRILLERS DESCRIPTION)	8
									9
									10
	10.50	SPT	N=3 (1,0/1,0,1,1)						11
									12
									13
									14
	15.00	SPT	N=3 (1,1/1,0,1,1)	15.00					15
								Weathered MARL (DRILLERS DESCRIPTION)	16
									17
									18
									19
	19.00	SPT	N=16 (3,3/3,4,5,4)						20

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH02

Sheet 2 of 2

Project Name: CELSA Asphalt Plant Project No: 15264 Co-ords: Hole Type RO

Location: Level: Scale 1:100

Client: Dates: 03/04/2019 - Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				21.00				Weathered MARL (DRILLERS DESCRIPTION)	
								End of Borehole at 21.000m	21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34
									35
									36
									37
									38
									39
									40

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH02A

Sheet 1 of 1

Project Name:	CELSA Asphalt Plant	Project No:	15264	Co-ords:		Hole Type	RO
Location:		Level:				Scale	1:100
Client:		Dates:	03/04/2019 -			Logged By	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.50	SPT	50 (25 for 95mm/50 for 240mm)					CONCRETE over MADE GROUND: Recovered as grey to black granular material with traces of clay. Includes fragments of brick, concrete, metal. Very slow drill due to density.	1
	3.00	SPT	50 (25 for 135mm/50 for 235mm)						2
	4.50	SPT	50 (25 for 130mm/50 for 240mm)						3
	6.00	SPT	50 (25 for 75mm/50 for 235mm)						4
				7.50					5
									6
									7
								End of Borehole at 7.500m	8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH03

Sheet 1 of 2

Project Name: CELSA Asphalt Plant	Project No: 15264	Co-ords:	Hole Type RO
Location:		Level:	Scale 1:100
Client:		Dates: 04/04/2019 -	Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								CONCRETE over MADE GROUND: Recovered as grey to black granular material with traces of clay. Very slow drill due to density. Probably boulders present.	1
									2
									3
									4
									5
									6
									7
				7.70					
								Soft CLAY (DRILLERS DESCRIPTION)	8
									9
									10
									11
	12.00	SPT	N=1 (1,0/0,0,1,0)						12
									13
									14
									15
				15.20					
								WEATHERED MARL (DRILLERS DESCRIPTION)	16
									17
	16.50	SPT	N=18 (3,2/5,4,4,5)						18
									19
									20

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH03

Sheet 2 of 2

Project Name: CELSA Asphalt Plant

Project No:
15264

Co-ords:

Hole Type
RO

Location:

Level:

Scale
1:100

Client:

Dates: 04/04/2019 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				21.00				WEATHERED MARL (DRILLERS DESCRIPTION)	
								End of Borehole at 21.000m	21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34
									35
									36
									37
									38
									39
									40

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present



Terra Firma (Wales) Limited
5 Deryn Court, Wharfedale Road
Pentwyn, Cardiff
CF23 7HA

Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole No.

BH03A

Sheet 1 of 1

Project Name: CELSA Asphalt Plant

Project No:
15264

Co-ords:

Hole Type
RO

Location:

Level:

Scale
1:100

Client:

Dates: 05/04/2019 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	1.50	SPT	50 (25 for 95mm/50 for 235mm)					CONCRETE over MADE GROUND: Recovered as grey to black granular material with traces of clay. Includes brick, concrete, ash. Very slow drill due to density.	1
	3.00	SPT	50 (25 for 75mm/50 for 225mm)						2
	4.50	SPT	49 (25 for 105mm/49 for 255mm)						3
	6.00	SPT	49 (12,12/49 for 225mm)						4
	7.50	SPT	N=1 (4,1/0,1,0,0)	7.40 7.50					5
								Soft CLAY	6
								End of Borehole at 7.500m	7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20

Remarks: Slow drilling through made ground due to density. Sampling could recover up to gravel grade although cobbles and boulders likely to be present